



# Complete Price Book

Effective August 1, 2016

define  
design

deliver



## NSF/ANSI Standard 61

NSF/ANSI Standard 61 is a standard defining the requirements for products that are destined for use in drinking water systems. In summary, the standard requires immersion testing of all products that will come into contact with drinking water for any chemicals, compounds, elements, etc. that may leach into the water that passes through the product.

Hayward products that are NSF 61 certified can easily be found on the NSF website, [www.NSF.org](http://www.NSF.org). Additionally, those products certified to NSF61-G are also certified to NSF/ANSI 372 and conforms with the lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland and Louisiana state laws and the U.S. Safe Drinking Water Act.

The following Hayward Flow Control products comply with this directive:

PRODUCT	SIZE	WATER CONTACT TEMP	WATER CONTACT MATERIAL
<b>TB SERIES BALL VALVES</b>			
Hayward True Union Ball Valve (PVC)	1/4" - 4"	CLD23	MLTPL
Hayward True Union Ball Valve (CPVC)	1/4" - 4"	CLD23	MLTPL
<b>TC SERIES CHECK VALVES</b>			
Hayward True Union Ball Check Valve (PVC)	1/4" - 4"	CLD23	MLTPL
Hayward True Union Ball Check Valve (CPVC)	1/4" - 4"	CLD23	MLTPL
<b>BYV SERIES BUTTERFLY VALVES</b>			
Hayward Butterfly Valve (PVC/EPDM)	2" - 12"	CLD23	MLTPL
Hayward Butterfly Valve (CPVC/EPDM)	4" - 12"	D. HOT	MLTPL
<b>BY SERIES BUTTERFLY VALVES</b>			
Hayward Butterfly Valve (PVC/EPDM)	1-1/2" - 12"	CLD23	MLTPL
Hayward Butterfly Valve (CPVC/EPDM)	4" - 12"	D. HOT	MLTPL
<b>BYCN SERIES BUTTERFLY VALVES (PVC/EPDM)*</b>	<b>3" - 8"</b>	<b>CLD23</b>	<b>MLTPL</b>
<b>SIMPLEX SB SERIES STRAINERS**</b>			
Hayward Simplex Basket Strainer (PVC)	1/2" - 8"	CLD23	MLTPL
Hayward Simplex Basket Strainer (CPVC)	1/2" - 8"	D. HOT	MLTPL
<b>BFA SERIES (PVC/EPDM) BULKHEAD</b>	<b>1/2" - 6"</b>	<b>CLD23</b>	<b>MLTPL</b>
<b>BFAS SERIES (PVC/EPDM) BULKHEAD</b>	<b>1/2" - 3"</b>	<b>CLD23</b>	<b>MLTPL</b>
<b>VALVE - OTHER</b>			
Universal Stopcock™	1/4"	CLD23	MLTPL

\* Certified for use in distribution systems only.

\*\* Certified for use in water treatment plant applications only with a minimum daily flow rate of 3,120 gallons.

NOTE: Unless otherwise indicated for Materials, Certification is only for the Water Contact Material shown in the Listing.

Always consult NSF Listing online as changes and updates may occur.

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## TB SERIES TRUE UNION BALL VALVES



TB Series true union ball valves are offered in PVC, CPVC and the new Platinum GFPP. O-rings are FPM or EPDM and seats are PTFE. Up to 2 in. sizes have socket and threaded end connections included. All valves are assembled with silicone free lubricant.

### PVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/4"	Socket	12	TB1025S	\$67.85	1-1/2"	Skt/Thd*	6	TB1150ST	\$158.45
	Threaded	12	TB1025T	\$67.85		Flanged	6	TB1150F	\$359.30
3/8"	Socket	12	TB1037S	\$67.85	2"	Skt/Thd*	1	TB1200ST	\$207.50
	Threaded	12	TB1037T	\$67.85		Flanged	1	TB1200F	\$431.15
1/2"	Skt/Thd*	12	TB1050ST	\$67.85	2-1/2"	Socket	1	TB1250S	\$494.65
	Flanged	12	TB1050F	\$121.75		Threaded	1	TB1250T	\$494.65
3/4"	Skt/Thd*	12	TB1075ST	\$80.10		Flanged	1	TB1250F	\$737.45
	Flanged	12	TB1075F	\$146.30	3"	Socket	1	TB1300S	\$511.25
1"	Skt/Thd*	12	TB1100ST	\$97.30		Threaded	1	TB1300T	\$511.25
	Flanged	6	TB1100F	\$201.05		Flanged	1	TB1300F	\$991.65
1-1/4"	Skt/Thd*	6	TB1125ST	\$129.05	4"	Socket	1	TB1400S	\$863.00
	Flanged	6	TB1125F	\$334.85		Threaded	1	TB1400T	\$863.00
					Flanged	1	TB1400F	\$1,561.10	
					6"***	Flanged	1	TB1600F	\$2,143.45

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

### PVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TB1050STE	\$59.60	2"	Skt/Thd*	1	TB1200STE	\$186.30
	Flanged	12	TB1050FE	\$109.45		Flanged	1	TB1200FE	\$395.25
3/4"	Skt/Thd*	12	TB1075STE	\$73.55	2-1/2"	Socket	1	TB1250SE	\$419.15
	Flanged	12	TB1075FE	\$134.00		Threaded	1	TB1250TE	\$419.15
1"	Skt/Thd*	12	TB1100STE	\$85.05		Flanged	1	TB1250FE	\$723.85
	Flanged	6	TB1100FE	\$181.40	3"	Socket	1	TB1300SE	\$433.90
1-1/4"	Skt/Thd*	6	TB1125STE	\$112.85		Threaded	1	TB1300TE	\$433.90
	Flanged	6	TB1125FE	\$290.70	Flanged	1	TB1300FE	\$876.05	
1-1/2"	Skt/Thd*	6	TB1150STE	\$142.15	4"	Socket	1	TB1400SE	\$763.55
	Flanged	6	TB1150FE	\$336.50		Threaded	1	TB1400TE	\$763.55
					Flanged	1	TB1400FE	\$1,401.50	
					6"***	Flanged	1	TB1600FE	\$2,060.25

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".





## TB SERIES TRUE UNION BALL VALVES (cont.)



TB Series true union ball valves are offered in PVC, CPVC and the new Platinum GFPP. O-rings are FPM or EPDM and seats are PTFE. Up to 2 in. sizes have socket and threaded end connections included. All valves are assembled with silicone free lubricant.

### CPVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TB2050ST	\$94.60	2"	Skt/Thd*	1	TB2200ST	\$327.00
	Flanged	12	TB2050F	\$159.40		Flanged	1	TB2200F	\$702.95
3/4"	Skt/Thd*	12	TB2075ST	\$117.55	2-1/2"	Socket	1	TB2250S	\$932.70
	Flanged	12	TB2075F	\$183.30		Threaded	1	TB2250T	\$932.70
1"	Skt/Thd*	12	TB2100ST	\$143.80	Flanged	1	TB2250F	\$1,108.70	
	Flanged	6	TB2100F	\$269.40	3"	Socket	1	TB2300S	\$961.65
1-1/4"	Skt/Thd*	6	TB2125ST	\$198.90		Threaded	1	TB2300T	\$961.65
	Flanged	6	TB2125F	\$440.55	Flanged	1	TB2300F	\$1,588.20	
1-1/2"	Skt/Thd*	6	TB2150ST	\$238.20	4"	Socket	1	TB2400S	\$1,649.15
	Flanged	6	TB2150F	\$488.20		Threaded	1	TB2400T	\$1,649.15
					Flanged	1	TB2400F	\$2,625.55	
					6***	Flanged	1	TB2600F	\$3,733.30

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

### CPVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TB2050STE	\$88.80	2"	Skt/Thd*	1	TB2200STE	\$310.45
	Flanged	12	TB2050FE	\$147.95		Flanged	1	TB2200FE	\$620.95
3/4"	Skt/Thd*	12	TB2075STE	\$111.85	2-1/2"	Socket	1	TB2250SE	\$876.25
	Flanged	12	TB2075FE	\$170.95		Threaded	1	TB2250TE	\$876.25
1"	Skt/Thd*	12	TB2100STE	\$135.70	Flanged	1	TB2250FE	\$946.65	
	Flanged	6	TB2100FE	\$249.75	3"	Socket	1	TB2300SE	\$902.95
1-1/4"	Skt/Thd*	6	TB2125STE	\$188.95		Threaded	1	TB2300TE	\$902.95
	Flanged	6	TB2125FE	\$386.10	Flanged	1	TB2300FE	\$1,362.80	
1-1/2"	Skt/Thd*	6	TB2150STE	\$225.10	4"	Socket	1	TB2400SE	\$1,549.00
	Flanged	6	TB2150FE	\$451.70		Threaded	1	TB2400TE	\$1,549.00
					Flanged	1	TB2400FE	\$2,505.10	
					6***	Flanged	1	TB2600FE	\$3,386.05

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".



## TB SERIES TRUE UNION BALL VALVES

TB Series true union ball valves are offered in PVC, CPVC and the new Platinum GFPP. O-rings are FPM or EPDM and seats are PTFE. Up to 2 in. sizes have socket and threaded end connections included. All valves are assembled with silicone free lubricant.

### GFPP FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	
1/2"	Threaded	12	TB4P050T	\$110.10	1-1/4"	Threaded	6	TB4P125T	\$231.60	
	Skt Fusion	12	TB4P050S	\$110.10		Flanged	6	TB4P125F	\$582.15	
DN15	Skt Fusion	12	TB4P015MS	\$110.10		Skt Fusion	6	TB4P125S	\$231.60	
3/4"	Threaded	12	TB4P075T	\$133.70		DN32	Skt Fusion	6	TB4P032MS	\$231.60
	Skt Fusion	12	TB4P075S	\$133.70		Threaded	6	TB4P150T	\$264.90	
DN20	Skt Fusion	12	TB4P020MS	\$133.70		1-1/2"	Flanged	6	TB4P150F	\$773.10
1"	Threaded	12	TB4P100T	\$156.45	Skt Fusion		6	TB4P150S	\$264.90	
	Flanged	12	TB4P100F	\$512.95	DN40	Skt Fusion	6	TB4P040MS	\$264.90	
	Skt Fusion	12	TB4P100S	\$156.45	Threaded	1	TB4P200T	\$359.55		
DN25	Skt Fusion	12	TB4P025MS	\$156.45	2"	Flanged	1	TB4P200F	\$773.10	
						Skt Fusion	1	TB4P200S	\$359.55	
						DN50	Skt Fusion	1	TB4P050MS	\$359.55

### GFPP EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	
1/2"	Threaded	12	TB4P050TE	\$95.30	1-1/4"	Threaded	6	TB4P125TE	\$200.45	
	Skt Fusion	12	TB4P050SE	\$95.30		Flanged	6	TB4P125FE	\$527.20	
DN15	Skt Fusion	12	TB4P015MSE	\$95.30		Skt Fusion	6	TB4P125SE	\$200.45	
3/4"	Threaded	12	TB4P075TE	\$116.05		DN32	Skt Fusion	6	TB4P032MSE	\$200.45
	Skt Fusion	12	TB4P075SE	\$116.05		Threaded	6	TB4P150TE	\$236.10	
DN20	Skt Fusion	12	TB4P020MSE	\$116.05		1-1/2"	Flanged	6	TB4P150FE	\$698.45
1"	Threaded	12	TB4P100TE	\$142.30	Skt Fusion		6	TB4P150SE	\$236.10	
	Flanged	12	TB4P100FE	\$450.65	DN40	Skt Fusion	6	TB4P040MSE	\$236.10	
	Skt Fusion	12	TB4P100SE	\$142.30	Threaded	1	TB4P200TE	\$315.05		
DN25	Skt Fusion	12	TB4P025MSE	\$142.30	2"	Flanged	1	TB4P200FE	\$698.45	
						Skt Fusion	1	TB4P200SE	\$315.05	
						DN50	Skt Fusion	1	TB4P050MSE	\$315.05

# TB SERIES TRUE UNION BALL VALVES

## \*\*ACTUATION READY\*\*



BALL VALVES

TB Series true union ball valves are offered in PVC, CPVC and the new Platinum GFPP. O-rings are FPM or EPDM and seats are PTFE. Up to 2 in. sizes have socket and threaded end connections. A trigger style lockout handle is an option. All valves are assembled with silicone free lubricant.

These prices include a mounting kit and installation when purchased with an actuator.

PVC/FPM			PVC/EPDM		CPVC/FPM		CPVC/EPDM	
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCTB1050STACTV	\$83.05	HCTB1050STACTE	\$81.45	HCTB2050STACTV	\$115.00	HCTB2050STACTE	\$113.55
1/2" Flanged	HCTB1050FLACTV	\$93.10	HCTB1050FLACTE	\$91.35	HCTB2050FLACTV	\$132.45	HCTB2050FLACTE	\$130.80
3/4" SKT/THD**	HCTB1075STACTV	\$91.35	HCTB1075STACTE	\$89.40	HCTB2075STACTV	\$124.40	HCTB2075STACTE	\$119.75
3/4" Flanged	HCTB1075FLACTV	\$102.00	HCTB1075FLACTE	\$98.75	HCTB2075FLACTV	\$143.40	HCTB2075FLACTE	\$140.20
1" SKT/THD**	HCTB1100STACTV	\$108.65	HCTB1100STACTE	\$106.60	HCTB2100STACTV	\$152.75	HCTB2100STACTE	\$149.65
1" Flanged	HCTB1100FLACTV	\$128.50	HCTB1100FLACTE	\$125.40	HCTB2100FLACTV	\$182.80	HCTB2100FLACTE	\$179.55
1-1/4" SKT/THD**	HCTB1125STACTV	\$126.95	HCTB1125STACTE	\$123.70	HCTB2125STACTV	\$178.10	HCTB2125STACTE	\$174.75
1-1/4" Flanged	HCTB1125FLACTV	\$150.40	HCTB1125FLACTE	\$147.20	HCTB2125FLACTV	\$212.55	HCTB2125FLACTE	\$209.60
1-1/2" SKT/THD**	HCTB1150STACTV	\$126.95	HCTB1150STACTE	\$123.70	HCTB2150STACTV	\$178.10	HCTB2150STACTE	\$174.75
1-1/2" Flanged	HCTB1150FLACTV	\$150.40	HCTB1150FLACTE	\$147.20	HCTB2150FLACTV	\$213.45	HCTB2150FLACTE	\$209.60
2" SKT/THD**	HCTB1200STACTV	\$164.40	HCTB1200STACTE	\$159.80	HCTB2200STACTV	\$230.10	HCTB2200STACTE	\$223.65
2" Flanged	HCTB1200FLACTV	\$200.55	HCTB1200FLACTE	\$196.10	HCTB2200FLACTV	\$280.45	HCTB2200FLACTE	\$274.10
2-1/2" Threaded	HCTB1250TACTV	\$406.40	HCTB1250TACTE	\$392.25	HCTB2250TACTV	\$591.15	HCTB2250TACTE	\$578.00
2-1/2" Socket	HCTB1250SACTV	\$406.40	HCTB1250SACTE	\$392.25	HCTB2250SACTV	\$591.15	HCTB2250SACTE	\$578.00
2-1/2" Flanged	HCTB1250FACTV	\$460.20	HCTB1250FACTE	\$447.70	HCTB2250FACTV	\$677.65	HCTB2250FACTE	\$663.15
3" Threaded	HCTB1300TACTV	\$406.40	HCTB1300TACTE	\$392.25	HCTB2300TACTV	\$591.15	HCTB2300TACTE	\$578.00
3" Socket	HCTB1300SACTV	\$406.40	HCTB1300SACTE	\$392.25	HCTB2300SACTV	\$591.15	HCTB2300SACTE	\$578.00
3" Flanged	HCTB1300FACTV	\$460.20	HCTB1300FACTE	\$447.70	HCTB2300FACTV	\$677.65	HCTB2300FACTE	\$663.15
4" Threaded	HCTB1400TACTV	\$555.15	HCTB1400TACTE	\$539.35	HCTB2400TACTV	\$813.95	HCTB2400TACTE	\$798.10
4" Socket	HCTB1400SACTV	\$555.15	HCTB1400SACTE	\$539.35	HCTB2400SACTV	\$813.95	HCTB2400SACTE	\$798.10
4" Flanged	HCTB1400FACTV	\$634.20	HCTB1400FACTE	\$616.85	HCTB2400FACTV	\$927.95	HCTB2400FACTE	\$913.65
6" Flanged*	HCTB1600FACTV	\$1,201.85	HCTB1600FACTE	\$1,121.40	HCTB2600FACTV	\$1,870.70	HCTB2600FACTE	\$1,678.75

\* 4" valve venturied to 6".

\*\* 1/2" thru 2" valves have socket and threaded end connections.

# TB SERIES GFPP TRUE UNION BALL VALVES

## \*\*ACTUATION READY\*\*

FPM O-RINGS			EPDM O-RINGS	
Size/End Conn	Part No.	List Price	Part No.	List Price
1/2" Threaded	HCTB4P050TACTV	\$134.90	HCTB4P050TACTE	\$117.00
1/2" Socket Fusion	HCTB4P050SACTV	\$134.90	HCTB4P050SACTE	\$117.00
DN15 Socket Fusion	HCTB4P015MSACTV	\$134.90	HCTB4P015MSACTE	\$117.00
3/4" Threaded	HCTB4P075TACTV	\$141.50	HCTB4P075TACTE	\$132.35
3/4" Socket Fusion	HCTB4P075SACTV	\$141.50	HCTB4P075SACTE	\$132.35
DN20 Socket Fusion	HCTB4P020MSACTV	\$141.50	HCTB4P020MSACTE	\$132.35
1" Threaded	HCTB4P100TACTV	\$165.50	HCTB4P100TACTE	\$159.00
1" Flanged	HCTB4P100TACTFV	\$189.80	HCTB4P100TACTFE	\$175.30
1" Socket Fusion	HCTB4P100SACTV	\$165.50	HCTB4P100SACTE	\$159.00
DN25 Socket Fusion	HCTB4P025MSACTV	\$165.50	HCTB4P025MSACTE	\$159.00
1-1/4" Threaded	HCTB4P125TACTV	\$185.30	HCTB4P125TACTE	\$161.10
1-1/4" Flanged	HCTB4P125TACTFV	\$247.60	HCTB4P125TACTFE	\$226.20
1-1/4" Socket Fusion	HCTB4P125SACTV	\$185.30	HCTB4P125SACTE	\$161.10
DN32 Socket Fusion	HCTB4P032MSACTV	\$185.30	HCTB4P032MSACTE	\$161.10
1-1/2" Threaded	HCTB4P150TACTV	\$198.10	HCTB4P150TACTE	\$194.20
1-1/2" Flanged	HCTB4P150TACTFV	\$254.45	HCTB4P150TACTFE	\$245.25
1-2" Socket Fusion	HCTB4P150SACTV	\$198.10	HCTB4P150SACTE	\$194.20
DN40 Socket Fusion	HCTB4P040MSACTV	\$198.10	HCTB4P040MSACTE	\$194.20
2" Threaded	HCTB4P200TACTV	\$252.95	HCTB4P200TACTE	\$236.35
2" Flanged	HCTB4P200TACTFV	\$359.55	HCTB4P200TACTFE	\$324.90
2" Socket Fusion	HCTB4P200SACTV	\$252.95	HCTB4P200SACTE	\$236.35
DN50 Socket Fusion	HCTB4P050MSACTV	\$252.95	HCTB4P050MSACTE	\$236.35





## EA SERIES AUTOMATED TRUE UNION BALL VALVES

Low cost, full featured 115 VAC electrical actuator combination. TB Series true union ball valves have EPDM seals, and socket and threaded end connections. Price includes valve and actuator.

PVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EATB1050STE	\$310.15
3/4"	Socket/Threaded	EATB1075STE	\$316.35
1"	Socket/Threaded	EATB1100STE	\$325.45
1-1/2"	Socket/Threaded	EATB1150STE	\$343.85
2"	Socket/Threaded	EATB1200STE	\$360.95



## EAU SERIES AUTOMATED TRUE UNION BALL VALVES

High performance Series EAU 115 VAC electric actuator with prewired terminal strip and one auxiliary limit switch, mounted to a TB Series true union ball valve. Valve has socket and threaded end connections. Price includes valve and actuator.

PVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB105STE	\$417.85
3/4"	Socket/Threaded	EAUTB107STE	\$425.40
1"	Socket/Threaded	EAUTB110STE	\$440.80
1-1/2"	Socket/Threaded	EAUTB115STE	\$459.15
2"	Socket/Threaded	EAUTB120STE	\$494.60

PVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB105STV	\$419.35
3/4"	Socket/Threaded	EAUTB107STV	\$428.65
1"	Socket/Threaded	EAUTB110STV	\$443.70
1-1/2"	Socket/Threaded	EAUTB115STV	\$462.40
2"	Socket/Threaded	EAUTB120STV	\$498.90

CPVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB205STE	\$446.95
3/4"	Socket/Threaded	EAUTB207STE	\$456.20
1"	Socket/Threaded	EAUTB210STE	\$482.10
1-1/2"	Socket/Threaded	EAUTB215STE	\$506.80
2"	Socket/Threaded	EAUTB220STE	\$555.90

CPVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	EAUTB205STV	\$448.40
3/4"	Socket/Threaded	EAUTB207STV	\$459.15
1"	Socket/Threaded	EAUTB210STV	\$486.70
1-1/2"	Socket/Threaded	EAUTB215STV	\$509.70
2"	Socket/Threaded	EAUTB220STV	\$562.05



## ECP SERIES AUTOMATED TRUE UNION BALL VALVES

High performance ECP Series 120/230 VAC electric actuator with four auxiliary limit switches, mounted to a TB Series true union ball valve. Valve has socket and threaded end connections. Price includes valve and actuator.

<b>PVC/EPDM SEALS</b>			
<b>Size</b>	<b>End Conn.</b>	<b>Part No.</b>	<b>List Price</b>
1/2"	Socket/Threaded	ECPTB105STE	\$526.50
3/4"	Socket/Threaded	ECPTB107STE	\$531.70
1"	Socket/Threaded	ECPTB110STE	\$535.85
1-1/2"	Socket/Threaded	ECPTB115STE	\$556.65
2"	Socket/Threaded	ECPTB120STE	\$572.25

<b>PVC/FPM SEALS</b>			
<b>Size</b>	<b>End Conn.</b>	<b>Part No.</b>	<b>List Price</b>
1/2"	Socket/Threaded	ECPTB105STV	\$529.60
3/4"	Socket/Threaded	ECPTB107STV	\$533.80
1"	Socket/Threaded	ECPTB110STV	\$540.00
1-1/2"	Socket/Threaded	ECPTB115STV	\$561.85
2"	Socket/Threaded	ECPTB120STV	\$580.60

<b>CPVC/EPDM SEALS</b>			
<b>Size</b>	<b>End Conn.</b>	<b>Part No.</b>	<b>List Price</b>
1/2"	Socket/Threaded	ECPTB205STE	\$536.90
3/4"	Socket/Threaded	ECPTB207STE	\$545.20
1"	Socket/Threaded	ECPTB210STE	\$553.55
1-1/2"	Socket/Threaded	ECPTB215STE	\$585.80
2"	Socket/Threaded	ECPTB220STE	\$617.00

<b>CPVC/FPM SEALS</b>			
<b>Size</b>	<b>End Conn.</b>	<b>Part No.</b>	<b>List Price</b>
1/2"	Socket/Threaded	ECPTB205STV	\$539.00
3/4"	Socket/Threaded	ECPTB207STV	\$547.30
1"	Socket/Threaded	ECPTB210STV	\$556.65
1-1/2"	Socket/Threaded	ECPTB215STV	\$591.00
2"	Socket/Threaded	ECPTB220STV	\$623.25



## PM SERIES AUTOMATED TRUE UNION BALL VALVES

Cost effective, rack-and-pinion pneumatically actuated PMD or PMS Series actuator and TB Series true union ball valve complete with solenoid. Valve has socket and threaded end connections. Price includes valve and actuator.

### DOUBLE ACTING

PVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB105STVA8	\$478.70
3/4"	Socket/Threaded	PMDTB107STVA8	\$486.80
1"	Socket/Threaded	PMDTB110STVA8	\$503.75
1-1/2"	Socket/Threaded	PMDTB115STVA8	\$521.80
2"	Socket/Threaded	PMDTB120STVA8	\$558.80

PVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB105STEA8	\$469.60
3/4"	Socket/Threaded	PMDTB107STEA8	\$476.25
1"	Socket/Threaded	PMDTB110STEA8	\$494.35
1-1/2"	Socket/Threaded	PMDTB115STEA8	\$508.40
2"	Socket/Threaded	PMDTB120STEA8	\$543.25

CPVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB205STVA8	\$509.40
3/4"	Socket/Threaded	PMDTB207STVA8	\$518.70
1"	Socket/Threaded	PMDTB210STVA8	\$546.45
1-1/2"	Socket/Threaded	PMDTB215STVA8	\$571.10
2"	Socket/Threaded	PMDTB220STVA8	\$622.05

CPVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMDTB205STEA8	\$489.00
3/4"	Socket/Threaded	PMDTB207STEA8	\$499.30
1"	Socket/Threaded	PMDTB210STEA8	\$535.10
1-1/2"	Socket/Threaded	PMDTB215STEA8	\$560.40
2"	Socket/Threaded	PMDTB220STEA8	\$604.65

\* EPDM seals available, consult factory.



## PM SERIES AUTOMATED TRUE UNION BALL VALVES (cont.)

Cost effective, rack-and-pinion pneumatically actuated PMD or PMS Series actuator and TB Series true union ball valve complete with solenoid. Valve has socket and threaded end connections. Price includes valve and actuator.

### SPRING RETURN

PVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB105STVA9	\$513.75
3/4"	Socket/Threaded	PMSTB107STVA9	\$521.85
1"	Socket/Threaded	PMSTB110STVA9	\$539.05
1-1/2"	Socket/Threaded	PMSTB115STVA9	\$554.00
2"	Socket/Threaded	PMSTB120STVA9	\$581.85

PVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB105STEA9	\$503.90
3/4"	Socket/Threaded	PMSTB107STEA9	\$510.50
1"	Socket/Threaded	PMSTB110STEA9	\$528.90
1-1/2"	Socket/Threaded	PMSTB115STEA9	\$539.80
2"	Socket/Threaded	PMSTB120STEA9	\$565.60

CPVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB205STVA9	\$557.20
3/4"	Socket/Threaded	PMSTB207STVA9	\$594.25
1"	Socket/Threaded	PMSTB210STVA9	\$544.70
1-1/2"	Socket/Threaded	PMSTB215STVA9	\$606.70
2"	Socket/Threaded	PMSTB220STVA9	\$657.75

CPVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	PMSTB205STEA9	\$534.90
3/4"	Socket/Threaded	PMSTB207STEA9	\$572.05
1"	Socket/Threaded	PMSTB210STEA9	\$533.50
1-1/2"	Socket/Threaded	PMSTB215STEA9	\$595.25
2"	Socket/Threaded	PMSTB220STEA9	\$639.35



## TBZ SERIES "Z-BALL" TRUE UNION BALL VALVES

*Drilled ball and FPM o-rings ONLY for use with Sodium Hypochlorite specifically.  
For other vented applications, consult factory.*

### PVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TB1050STZ	<b>\$112.10</b>	2"	Skt/Thd*	1	TB1200STZ	<b>\$251.75</b>
	Flanged	12	TB1050FZ	<b>\$166.05</b>		Flanged	1	TB1200FZ	<b>\$475.35</b>
3/4"	Skt/Thd*	12	TB1075STZ	<b>\$124.35</b>	2-1/2"	Socket	1	TB1250SZ	<b>\$569.05</b>
	Flanged	12	TB1075FZ	<b>\$190.45</b>		Threaded	1	TB1250TZ	<b>\$569.05</b>
1"	Skt/Thd*	12	TB1100STZ	<b>\$141.50</b>		Flanged	1	TB1250FZ	<b>\$811.80</b>
	Flanged	6	TB1100FZ	<b>\$245.20</b>	3"	Socket	1	TB1300SZ	<b>\$585.65</b>
1-1/4"	Skt/Thd*	6	TB1125STZ	<b>\$173.30</b>		Threaded	1	TB1300TZ	<b>\$585.65</b>
	Flanged	6	TB1125FZ	<b>\$378.95</b>	Flanged	1	TB1300FZ	<b>\$1,066.00</b>	
1-1/2"	Skt/Thd*	6	TB1150STZ	<b>\$202.65</b>	4"	Socket	1	TB1400SZ	<b>\$937.35</b>
	Flanged	6	TB1150FZ	<b>\$403.60</b>		Threaded	1	TB1400TZ	<b>\$937.35</b>
					6"***	Flanged	1	TB1400FZ	<b>\$1,635.40</b>
						Flanged	1	TB1600FZ	<b>\$2,217.90</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
\*\* 4" valve venturied to 6".

### CPVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TB2050STZ	<b>\$139.05</b>	2"	Skt/Thd*	1	TB2200STZ	<b>\$371.45</b>
	Flanged	12	TB2050FZ	<b>\$203.90</b>		Flanged	1	TB2200FZ	<b>\$747.45</b>
3/4"	Skt/Thd*	12	TB2075STZ	<b>\$162.05</b>	2-1/2"	Socket	1	TB2250SZ	<b>\$1,008.10</b>
	Flanged	12	TB2075FZ	<b>\$227.80</b>		Threaded	1	TB2250TZ	<b>\$1,008.10</b>
1"	Skt/Thd*	12	TB2100STZ	<b>\$188.30</b>		Flanged	1	TB2250FZ	<b>\$1,184.15</b>
	Flanged	6	TB2100FZ	<b>\$313.85</b>	3"	Socket	1	TB2300SZ	<b>\$1,037.15</b>
1-1/4"	Skt/Thd*	6	TB2125STZ	<b>\$243.35</b>		Threaded	1	TB2300TZ	<b>\$1,037.15</b>
	Flanged	6	TB2125FZ	<b>\$485.05</b>	Flanged	1	TB2300FZ	<b>\$1,663.75</b>	
1-1/2"	Skt/Thd*	6	TB2150STZ	<b>\$282.65</b>	4"	Socket	1	TB2400SZ	<b>\$1,724.70</b>
	Flanged	6	TB2150FZ	<b>\$532.70</b>		Threaded	1	TB2400TZ	<b>\$1,724.70</b>
					6"***	Flanged	1	TB2400FZ	<b>\$2,701.05</b>
						Flanged	1	TB2600FZ	<b>\$3,808.80</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
\*\* 4" valve venturied to 6".





# CV SERIES PROFILE2™ PROPORTIONAL CONTROL TRUE UNION BALL VALVES

Provides two linear flow curves – one for fast opening, one for slow opening.

## PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	CV1050STV	<b>\$124.20</b>
	Flanged	CV1050FV	<b>\$192.75</b>
3/4"	Skt/Thd*	CV1075STV	<b>\$124.20</b>
	Flanged	CV1075FV	<b>\$192.75</b>
1"	Skt/Thd*	CV1100STV	<b>\$124.20</b>
	Flanged	CV1100FV	<b>\$192.75</b>
2"	Skt/Thd*	CV1200STV	<b>\$199.30</b>
	Flanged	CV1200FV	<b>\$334.85</b>
3"	Socket	CV1300SV	<b>\$362.80</b>
	Threaded	CV1300TV	<b>\$362.80</b>
	Flanged	CV1300FV	<b>\$565.90</b>
4"	Socket	CV1400SV	<b>\$545.90</b>
	Threaded	CV1400TV	<b>\$545.90</b>
	Flanged	CV1400FV	<b>\$951.65</b>
6"***	Flanged	CV1600FV	<b>\$1,223.50</b>

\* 1/2" - 2" valves are supplied with both socket & threaded end connections.

\*\* 4" valve venturied to 6".

Profile2™ is a trademark of Hayward Industries, Inc.

## PVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	CV1050STE	<b>\$119.30</b>
	Flanged	CV1050FE	<b>\$186.30</b>
3/4"	Skt/Thd*	CV1075STE	<b>\$119.30</b>
	Flanged	CV1075FE	<b>\$186.30</b>
1"	Skt/Thd*	CV1100STE	<b>\$119.30</b>
	Flanged	CV1100FE	<b>\$186.30</b>
2"	Skt/Thd*	CV1200STE	<b>\$184.65</b>
	Flanged	CV1200FE	<b>\$326.65</b>
3"	Socket	CV1300SE	<b>\$328.30</b>
	Threaded	CV1300TE	<b>\$328.30</b>
	Flanged	CV1300FE	<b>\$532.80</b>
4"	Socket	CV1400SE	<b>\$501.65</b>
	Threaded	CV1400TE	<b>\$501.65</b>
	Flanged	CV1400FE	<b>\$910.75</b>
6"***	Flanged	CV1600FE	<b>\$1,181.15</b>

## CPVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	CV2050STV	<b>\$146.25</b>
	Flanged	CV2050FV	<b>\$213.60</b>
3/4"	Skt/Thd*	CV2075STV	<b>\$146.25</b>
	Flanged	CV2075FV	<b>\$213.60</b>
1"	Skt/Thd*	CV2100STV	<b>\$146.25</b>
	Flanged	CV2100FV	<b>\$213.60</b>
2"	Skt/Thd*	CV2200STV	<b>\$254.65</b>
	Flanged	CV2200FV	<b>\$389.55</b>
3"	Socket	CV2300SV	<b>\$564.50</b>
	Threaded	CV2300TV	<b>\$564.50</b>
	Flanged	CV2300FV	<b>\$772.30</b>
4"	Socket	CV2400SV	<b>\$894.20</b>
	Threaded	CV2400TV	<b>\$894.20</b>
	Flanged	CV2400FV	<b>\$1,309.70</b>
6"***	Flanged	CV2600FV	<b>\$1,585.10</b>

\* 1/2" - 2" valves are supplied with both socket & threaded end connections.

\*\* 4" valve venturied to 6".

Profile2™ is a trademark of Hayward Industries, Inc.

## CPVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	CV2050STE	<b>\$141.40</b>
	Flanged	CV2050FE	<b>\$208.70</b>
3/4"	Skt/Thd*	CV2075STE	<b>\$141.40</b>
	Flanged	CV2075FE	<b>\$208.70</b>
1"	Skt/Thd*	CV2100STE	<b>\$141.40</b>
	Flanged	CV2100FE	<b>\$208.70</b>
2"	Skt/Thd*	CV2200STE	<b>\$243.15</b>
	Flanged	CV2200FE	<b>\$379.50</b>
3"	Socket	CV2300SE	<b>\$530.95</b>
	Threaded	CV2300TE	<b>\$530.95</b>
	Flanged	CV2300FE	<b>\$737.00</b>
4"	Socket	CV2400SE	<b>\$851.25</b>
	Threaded	CV2400TE	<b>\$851.25</b>
	Flanged	CV2400FE	<b>\$1,264.30</b>
6"***	Flanged	CV2600FE	<b>\$1,540.55</b>



## CV SERIES PROFILE2™ CONTROL VALVES

### \*\*ACTUATION READY\*\*

CV Series Profile2™ ball valves are available in PVC and CPVC with either FPM or EPDM o-rings. The valves have PTFE seats and positioners for Automated Modulating Service Applications. The proportional control provides two linear flow curves – one for fast opening, one for slow opening. All valves are assembled with silicone free lubricant.

PVC/FPM			PVC/EPDM		CPVC/FPM		CPVC/EPDM	
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" Thd./Skt.	HCCV1050STV	\$156.35	HCCV1050STE	\$151.65	HCCV2050STV	\$157.85	HCCV2050STE	\$173.35
1/2" Flanged	HCCV1050FV	\$223.40	HCCV1050FE	\$217.10	HCCV2050FV	\$225.60	HCCV2050FE	\$239.25
3/4" Thd./Skt.	HCCV1075STV	\$156.35	HCCV1075TE	\$151.65	HCCV2075STV	\$157.85	HCCV2075STE	\$173.35
3/4" Flanged	HCCV1075FV	\$223.40	HCCV1075FE	\$217.10	HCCV2075FV	\$225.60	HCCV2075FE	\$239.25
1" Thd./Skt.	HCCV1100STV	\$156.35	HCCV1100STE	\$151.65	HCCV2100STV	\$178.10	HCCV2100STE	\$173.35
1" Flanged	HCCV1100FV	\$223.40	HCCV1100FE	\$217.10	HCCV2100FV	\$244.05	HCCV2100FE	\$239.25
2" Thd./Skt.	HCCV1200STV	\$229.90	HCCV1200STE	\$215.50	HCCV2200STV	\$284.25	HCCV2200STE	\$273.05
2" Flanged	HCCV1200FV	\$362.55	HCCV1200FE	\$354.60	HCCV2200FV	\$416.30	HCCV2200FE	\$406.40
3" Threaded	HCCV1300TV	\$418.30	HCCV1300TE	\$384.40	HCCV2300TV	\$616.75	HCCV2300TE	\$583.90
3" Socket	HCCV1300SV	\$418.30	HCCV1300SE	\$384.40	HCCV2300SV	\$616.75	HCCV2300SE	\$583.90
3" Flanged	HCCV1300FV	\$617.25	HCCV1300FE	\$584.75	HCCV2300FV	\$820.10	HCCV2300FE	\$785.60
4" Threaded	HCCV1400TV	\$597.50	HCCV1400TE	\$554.30	HCCV2400TV	\$939.50	HCCV2400TE	\$897.40
4" Socket	HCCV1400SV	\$597.50	HCCV1400SE	\$554.30	HCCV2400SV	\$939.50	HCCV2400SE	\$897.40
4" Flanged	HCCV1400FV	\$994.75	HCCV1400FE	\$954.75	HCCV2400FV	\$1,346.25	HCCV2400FE	\$1,301.80
6" Flanged	HCCV1600FV	\$1,260.85	HCCV1600FE	\$1,219.45	HCCV2600FV	\$1,615.85	HCCV2600FE	\$1,572.15



# TRUE UNION BALL VALVE OPTIONS

Option prices are ADDED to the list price of the valve.

SIZE	LIST PRICE	PART NO.
<b>Valve Handle Lock-Outs - Cover Style</b>		
1/2" - 2"	\$64.60	LO1
2-1/2" - 6"	\$175.65	LO2
<b>2" Square Operating Nut</b>		
1/2" - 3/4"	\$151.00	SQNUT5TU
1" - 2"	\$151.00	SQNUT2TU
2-1/2" - 6"	\$151.00	SQNUITB3
<b>Seal Retainer Wrench*</b>		
1/2" - 2"	\$35.20	TBSRW
<b>Valve Tags</b>		
316 SSTL	\$37.65	YSS2
Paper	\$9.80	YPT1

Valve-Safe Lockouts - Trigger Style	SUFFIX
1/2" - 2"	\$9.30 G
2-1/2" - 6"	\$14.00 G

Drilled Ball - not for Sodium Hypochlorite		
1/2" - 2"	\$49.45	D
2-1/2" - 6"	\$82.25	D



## STEM EXTENSION KITS

Kit Part No.	Valve Sizes	List Price
TBEXTK075	1/2" - 3/4"	\$16.70
TBEXTK200	1" - 2"	\$18.45
TBEXTK400	2-1/2" - 6"	\$28.05

## FACTORY ASSEMBLED STEM EXTENSION PART NUMBER MATRIX

STEM EXTENSIONS**	
SIZE	LIST PRICE
6" - 36"	\$180.85
37" - 96"	\$255.15

UNSUPPORTED			
SIZE	HANDLE	SIZE	HANDLE
	Sample Part No.***		Sample Part No.***
1/2"	SPGTU15X06EXT	2"	SPGTU12X06EXT
3/4"	SPGTU15X06EXT	2-1/2"	SPGTB14X06EXT
1"	SPGTU12X06EXT	3"	SPGTB14X06EXT
1-1/4"	SPGTU12X06EXT	4"	SPGTB14X06EXT
1-1/2"	SPGTU12X06EXT	6"	SPGTB14X06EXT

\* 2-1/2" & up valves have integral tabs on the handle for Seal Retainer adjustment.  
 \*\* See part number matrix table on right for part numbers.  
 \*\*\* Replace "06" in part number with desired stem extension size.



## QV SERIES QIC2™ COMPACT BALL VALVES

All QIC2™ Ball Valves have EPDM o-rings and PTFE seats.

## PVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Socket	24	QV1T050SE	\$35.45	1-1/4"	Socket	6	QV1T125SE	\$95.10
	Threaded	12	QV1T050TE	\$35.45		Threaded	6	QV1T125TE	\$95.10
3/4"	Socket	12	QV1T075SE	\$45.60	1-1/2"	Socket	6	QV1T150SE	\$95.10
	Threaded	12	QV1T075TE	\$45.60		Threaded	6	QV1T150TE	\$95.10
1"	Socket	12	QV1T100SE	\$53.90	2"	Socket	1	QV1T200SE	\$124.10
	Threaded	6	QV1T100TE	\$53.90		Threaded	1	QV1T200TE	\$124.10

QIC2™ is a trademark of Hayward Industries, Inc.



## TW SERIES THREE-WAY TRUE UNION BALL VALVES

One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design  
Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals

- TW Ball Standard • NT or TP Balls Available at No Extra Cost • Consult Factory for Part Number
- For Cross Flow Version Consult Factory for Pricing and Availability

### PVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	TW1050ST	<b>\$91.15</b>	2"	Skt/Thd*	1	TW1200ST	<b>\$235.00</b>
	Flanged	12	TW1050F	<b>\$180.00</b>		Flanged	1	TW1200F	<b>\$588.40</b>
3/4"	Skt/Thd*	12	TW1075ST	<b>\$108.10</b>	2-1/2"	Socket	1	TW1250S	<b>\$735.25</b>
	Flanged	12	TW1075F	<b>\$191.20</b>		Threaded	1	TW1250T	<b>\$735.25</b>
1"	Skt/Thd*	12	TW1100ST	<b>\$131.40</b>		Flanged	1	TW1250F	<b>\$1,274.25</b>
	Flanged	6	TW1100F	<b>\$226.20</b>	3"	Socket	1	TW1300S	<b>\$748.60</b>
1-1/4"	Skt/Thd*	6	TW1125ST	<b>\$171.80</b>		Threaded	1	TW1300T	<b>\$748.60</b>
	Flanged	6	TW1125F	<b>\$387.15</b>	Flanged	1	TW1300F	<b>\$1,274.25</b>	
1-1/2"	Skt/Thd*	6	TW1150ST	<b>\$184.85</b>	4"	Socket	1	TW1400S	<b>\$1,295.00</b>
	Flanged	6	TW1150F	<b>\$436.30</b>		Threaded	1	TW1400T	<b>\$1,295.00</b>
					Flanged	1	TW1400F	<b>\$1,781.55</b>	
					6"***	Flanged	1	TW1600F	<b>\$2,826.00</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

### PVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	TW1050STE	<b>\$84.10</b>	2"	Skt/Thd*	1	TW1200STE	<b>\$206.80</b>
	Flanged	12	TW1050FE	<b>\$173.75</b>		Flanged	1	TW1200FE	<b>\$558.95</b>
3/4"	Skt/Thd*	12	TW1075STE	<b>\$99.20</b>	2-1/2"	Socket	1	TW1250SE	<b>\$727.10</b>
	Flanged	12	TW1075FE	<b>\$183.45</b>		Threaded	1	TW1250TE	<b>\$727.10</b>
1"	Skt/Thd*	12	TW1100STE	<b>\$120.55</b>		Flanged	1	TW1250FE	<b>\$1,154.10</b>
	Flanged	6	TW1100FE	<b>\$215.30</b>	3"	Socket	1	TW1300SE	<b>\$741.95</b>
1-1/4"	Skt/Thd*	6	TW1125STE	<b>\$145.80</b>		Threaded	1	TW1300TE	<b>\$741.95</b>
	Flanged	6	TW1125FE	<b>\$368.50</b>	Flanged	1	TW1300FE	<b>\$1,170.00</b>	
1-1/2"	Skt/Thd*	6	TW1150STE	<b>\$168.60</b>	4"	Socket	1	TW1400SE	<b>\$1,282.50</b>
	Flanged	6	TW1150FE	<b>\$413.75</b>		Threaded	1	TW1400TE	<b>\$1,282.50</b>
					Flanged	1	TW1400FE	<b>\$1,700.95</b>	
					6"***	Flanged	1	TW1600FE	<b>\$2,826.00</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".



## TW SERIES THREE-WAY TRUE UNION BALL VALVES (cont.)

One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design

Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals

- TW Ball Standard • NT or TP Balls Available at No Extra Cost • Consult Factory for Part Number
- For Cross Flow Version Consult Factory for Pricing and Availability

### CPVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	TW2050ST	<b>\$137.80</b>	2"	Skt/Thd*	1	TW2200ST	<b>\$369.35</b>
	Flanged	12	TW2050F	<b>\$276.85</b>		Flanged	1	TW2200F	<b>\$873.95</b>
3/4"	Skt/Thd*	12	TW2075ST	<b>\$143.00</b>	2-1/2"	Socket	1	TW2250S	<b>\$1,131.15</b>
	Flanged	12	TW2075F	<b>\$310.05</b>		Threaded	1	TW2250T	<b>\$1,131.15</b>
1"	Skt/Thd*	12	TW2100ST	<b>\$202.15</b>		Flanged	1	TW2250F	<b>\$1,910.20</b>
	Flanged	6	TW2100F	<b>\$336.00</b>	3"	Socket	1	TW2300S	<b>\$1,127.35</b>
1-1/4"	Skt/Thd*	6	TW2125ST	<b>\$264.30</b>		Threaded	1	TW2300T	<b>\$1,127.35</b>
	Flanged	6	TW2125F	<b>\$574.45</b>	Flanged	1	TW2300F	<b>\$1,910.20</b>	
1-1/2"	Skt/Thd*	6	TW2150ST	<b>\$284.25</b>	4"	Socket	1	TW2400S	<b>\$1,992.30</b>
	Flanged	6	TW2150F	<b>\$635.45</b>		Threaded	1	TW2400T	<b>\$1,992.30</b>
						Flanged	1	TW2400F	<b>\$2,740.80</b>
					6"***	Flanged	1	TW2600F	<b>\$4,656.00</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

### CPVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	TW2050STE	<b>\$127.25</b>	2"	Skt/Thd*	1	TW2200STE	<b>\$318.05</b>
	Flanged	12	TW2050FE	<b>\$267.15</b>		Flanged	1	TW2200FE	<b>\$831.30</b>
3/4"	Skt/Thd*	12	TW2075STE	<b>\$143.00</b>	2-1/2"	Socket	1	TW2250SE	<b>\$1,118.55</b>
	Flanged	12	TW2075FE	<b>\$294.70</b>		Threaded	1	TW2250TE	<b>\$1,118.55</b>
1"	Skt/Thd*	12	TW2100STE	<b>\$181.50</b>		Flanged	1	TW2250FE	<b>\$1,775.35</b>
	Flanged	6	TW2100FE	<b>\$319.15</b>	3"	Socket	1	TW2300SE	<b>\$1,141.50</b>
1-1/4"	Skt/Thd*	6	TW2125STE	<b>\$224.30</b>		Threaded	1	TW2300TE	<b>\$1,141.50</b>
	Flanged	6	TW2125FE	<b>\$545.60</b>	Flanged	1	TW2300FE	<b>\$1,800.05</b>	
1-1/2"	Skt/Thd*	6	TW2150STE	<b>\$259.25</b>	4"	Socket	1	TW2400SE	<b>\$1,973.05</b>
	Flanged	6	TW2150FE	<b>\$616.20</b>		Threaded	1	TW2400TE	<b>\$1,973.05</b>
						Flanged	1	TW2400FE	<b>\$2,642.65</b>
					6"***	Flanged	1	TW2600FE	<b>\$4,656.00</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

**NOTE:** Cross-Flow Three-Way True Union Ball Valves are available upon request.





# TW SERIES THREE-WAY BALL VALVES

## \*\*ACTUATION READY\*\*

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals • NT Ball Standard; TW or TP Balls Available at No Extra Cost • Consult Factory for Part Number • For Cross Flow Version

Consult Factory for Pricing and Availability

These prices include a mounting kit and installation when purchased with an actuator.

	PVC/FPM		PVC/EPDM		CPVC/FPM		CPVC/EPDM	
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCTN1050STV	\$103.85	HCTN1050STE	\$99.00	HCTN2050STV	\$125.25	HCTN2050STE	\$120.05
1/2" Flanged	HCTN1050FV	\$155.60	HCTN1050FE	\$156.15	HCTN2050FV	\$197.80	HCTN2050FE	\$195.90
3/4" SKT/THD**	HCTN1075STV	\$116.15	HCTN1075STE	\$109.55	HCTN2075STV	\$127.95	HCTN2075STE	\$132.05
3/4" Flanged	HCTN1075FV	\$169.70	HCTN1075FE	\$168.90	HCTN2075FV	\$223.40	HCTN2075FE	\$220.35
1" SKT/THD**	HCTN1100STV	\$155.55	HCTN1100STE	\$146.75	HCTN2100STV	\$196.00	HCTN2100STE	\$181.50
1" Flanged	HCTN1100FV	\$213.70	HCTN1100FE	\$210.75	HCTN2100FV	\$261.45	HCTN2100FE	\$258.40
1-1/4" SKT/THD**	HCTN1125STV	\$173.20	HCTN1125STE	\$150.50	HCTN2125STV	\$220.05	HCTN2125STE	\$193.30
1-1/4" Flanged	HCTN1125FV	\$266.40	HCTN1125FE	\$250.85	HCTN2125FV	\$296.50	HCTN2125FE	\$282.75
1-1/2" SKT/THD**	HCTN1150STV	\$166.95	HCTN1150STE	\$158.45	HCTN2150STV	\$210.55	HCTN2150STE	\$199.90
1-1/2" Flanged	HCTN1150FV	\$314.00	HCTN1150FE	\$310.70	HCTN2150FV	\$379.80	HCTN2150FE	\$383.95
2" SKT/THD**	HCTN1200STV	\$217.00	HCTN1200STE	\$198.40	HCTN2200STV	\$281.15	HCTN2200STE	\$252.30
2" Flanged	HCTN1200FV	\$456.85	HCTN1200FE	\$452.20	HCTN2200FV	\$550.15	HCTN2200FE	\$545.60
2-1/2" Threaded	HCTN1250TV	\$644.65	HCTN1250TE	\$629.40	HCTN2250TV	\$914.80	HCTN2250TE	\$899.45
2-1/2" Socket	HCTN1250SV	\$644.65	HCTN1250SE	\$629.40	HCTN2250SV	\$914.80	HCTN2250SE	\$899.45
2-1/2" Flanged	HCTN1250FV	\$888.05	HCTN1250FE	\$799.45	HCTN2250FV	\$1,225.40	HCTN2250FE	\$1,135.75
3" Threaded	HCTN1300TV	\$656.30	HCTN1300TE	\$642.30	HCTN2300TV	\$911.70	HCTN2300TE	\$917.95
3" Socket	HCTN1300SV	\$656.30	HCTN1300SE	\$642.30	HCTN2300SV	\$911.70	HCTN2300SE	\$917.95
3" Flanged	HCTN1300FV	\$888.05	HCTN1300FE	\$810.50	HCTN2300FV	\$1,225.40	HCTN2300FE	\$1,151.55
4" Threaded	HCTN1400TV	\$1,009.30	HCTN1400TE	\$995.40	HCTN2400TV	\$1,389.55	HCTN2400TE	\$1,376.30
4" Socket	HCTN1400SV	\$1,009.30	HCTN1400SE	\$995.40	HCTN2400SV	\$1,389.55	HCTN2400SE	\$1,376.30
4" Flanged	HCTN1400FV	\$1,141.75	HCTN1400FE	\$1,087.30	HCTN2400FV	\$1,668.45	HCTN2400FE	\$1,612.25
6" Flanged*	HCTN1600FV	\$1,684.45	HCTN1600FE	\$1,686.45	HCTN2600FV	\$2,637.45	HCTN2600FE	\$2,647.85

\* 4" valve venturied to 6"

\*\* 1/2" thru 2" valves are supplied with both socket and threaded end connections.



# LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVES

All Lateral Three-Way Ball Valves are assembled with silicone free lubricant and have PTFE seats.

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals
- 90° Turn or 180°; Depending on Required Flow Pattern\*

## PVC FPM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	LA1050ST	<b>\$91.70</b>	2"	Skt/Thd*	1	LA1200ST	<b>\$204.20</b>
	Flanged	12	LA1050F	<b>\$180.25</b>		Flanged	1	LA1200F	<b>\$600.85</b>
3/4"	Skt/Thd*	12	LA1075ST	<b>\$101.35</b>	2-1/2"	Socket	1	LA1250S	<b>\$688.35</b>
	Flanged	12	LA1075F	<b>\$181.55</b>		Threaded	1	LA1250T	<b>\$688.35</b>
1"	Skt/Thd*	12	LA1100ST	<b>\$120.30</b>		Flanged	1	LA1250F	<b>\$1,149.10</b>
	Flanged	6	LA1100F	<b>\$239.90</b>		Socket	1	LA1300S	<b>\$727.75</b>
1-1/4"	Skt/Thd*	6	LA1125ST	<b>\$142.40</b>	3"	Threaded	1	LA1300T	<b>\$727.75</b>
	Flanged	6	LA1125F	<b>\$410.55</b>		Flanged	1	LA1300F	<b>\$1,300.75</b>
1-1/2"	Skt/Thd*	6	LA1150ST	<b>\$166.50</b>	4"	Socket	1	LA1400S	<b>\$1,286.40</b>
	Flanged	6	LA1150F	<b>\$445.90</b>		Threaded	1	LA1400T	<b>\$1,286.40</b>
					Flanged	1	LA1400F	<b>\$1,848.75</b>	
					6"***	Flanged	1	LA1600F	<b>\$3,413.60</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".

## PVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	LA1050STE	<b>\$84.50</b>	2"	Skt/Thd*	1	LA1200STE	<b>\$199.90</b>
	Flanged	12	LA1050FE	<b>\$172.60</b>		Flanged	1	LA1200FE	<b>\$571.40</b>
3/4"	Skt/Thd*	12	LA1075STE	<b>\$100.25</b>	2-1/2"	Socket	1	LA1250SE	<b>\$673.90</b>
	Flanged	12	LA1075FE	<b>\$180.25</b>		Threaded	1	LA1250TE	<b>\$673.90</b>
1"	Skt/Thd*	12	LA1100STE	<b>\$120.30</b>		Flanged	1	LA1250FE	<b>\$1,124.95</b>
	Flanged	6	LA1100FE	<b>\$228.70</b>		Socket	1	LA1300SE	<b>\$702.40</b>
1-1/4"	Skt/Thd*	6	LA1125STE	<b>\$140.90</b>	3"	Threaded	1	LA1300TE	<b>\$702.40</b>
	Flanged	6	LA1125FE	<b>\$398.65</b>		Flanged	1	LA1300FE	<b>\$1,164.15</b>
1-1/2"	Skt/Thd*	6	LA1150STE	<b>\$166.50</b>	4"	Socket	1	LA1400SE	<b>\$1,272.00</b>
	Flanged	6	LA1150FE	<b>\$423.45</b>		Threaded	1	LA1400TE	<b>\$1,272.00</b>
					Flanged	1	LA1400FE	<b>\$1,691.30</b>	
					6"***	Flanged	1	LA1600FE	<b>\$3,378.85</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".



## LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVES (cont.)

All Lateral Three-Way Ball Valves are assembled with silicone free lubricant and have PTFE seats.

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals
- 90° Turn or 180°; Depending on Required Flow Pattern\*

### CPVC FPM O-RINGS

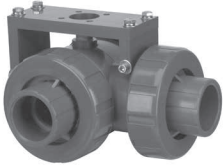
SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	LA2050ST	<b>\$137.80</b>	2"	Skt/Thd*	1	LA2200ST	<b>\$369.35</b>
	Flanged	12	LA2050F	<b>\$276.85</b>		Flanged	1	LA2200F	<b>\$1,064.15</b>
3/4"	Skt/Thd*	12	LA2075ST	<b>\$166.15</b>	2-1/2"	Socket	1	LA2250S	<b>\$1,131.15</b>
	Flanged	12	LA2075F	<b>\$294.00</b>		Threaded	1	LA2250T	<b>\$1,131.15</b>
1"	Skt/Thd*	12	LA2100ST	<b>\$202.15</b>		Flanged	1	LA2250F	<b>\$2,069.30</b>
	Flanged	6	LA2100F	<b>\$435.45</b>	3"	Socket	1	LA2300S	<b>\$1,151.55</b>
1-1/4"	Skt/Thd*	6	LA2125ST	<b>\$264.30</b>		Threaded	1	LA2300T	<b>\$1,151.55</b>
	Flanged	6	LA2125F	<b>\$802.05</b>	Flanged	1	LA2300F	<b>\$2,082.95</b>	
1-1/2"	Skt/Thd*	6	LA2150ST	<b>\$284.25</b>	4"	Socket	1	LA2400S	<b>\$1,992.30</b>
	Flanged	6	LA2150F	<b>\$810.80</b>		Threaded	1	LA2400T	<b>\$1,992.30</b>
					Flanged	1	LA2400F	<b>\$2,740.80</b>	
					6"***	Flanged	1	LA2600F	<b>\$5,117.50</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
 \*\* 4" valve venturied to 6".

### CPVC EPDM O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	24	LA2050STE	<b>\$129.35</b>	2"	Skt/Thd*	1	LA2200STE	<b>\$318.05</b>
	Flanged	12	LA2050FE	<b>\$267.15</b>		Flanged	1	LA2200FE	<b>\$848.05</b>
3/4"	Skt/Thd*	12	LA2075STE	<b>\$152.60</b>	2-1/2"	Socket	1	LA2250SE	<b>\$1,118.55</b>
	Flanged	12	LA2075FE	<b>\$282.10</b>		Threaded	1	LA2250TE	<b>\$1,118.55</b>
1"	Skt/Thd*	12	LA2100STE	<b>\$181.50</b>		Flanged	1	LA2250FE	<b>\$1,775.35</b>
	Flanged	6	LA2100FE	<b>\$339.75</b>	3"	Socket	1	LA2300SE	<b>\$1,141.50</b>
1-1/4"	Skt/Thd*	6	LA2125STE	<b>\$224.30</b>		Threaded	1	LA2300TE	<b>\$1,141.50</b>
	Flanged	6	LA2125FE	<b>\$579.80</b>	Flanged	1	LA2300FE	<b>\$1,800.05</b>	
1-1/2"	Skt/Thd*	6	LA2150STE	<b>\$259.25</b>	4"	Socket	1	LA2400SE	<b>\$1,973.05</b>
	Flanged	6	LA2150FE	<b>\$628.80</b>		Threaded	1	LA2400TE	<b>\$1,973.05</b>
					Flanged	1	LA2400FE	<b>\$2,642.65</b>	
					6"***	Flanged	1	LA2600FE	<b>\$4,965.80</b>

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
 \*\* 4" valve venturied to 6".



# LA SERIES LATERAL THREE-WAY BALL VALVES

## \*\*ACTUATION READY\*\*

- One Piece Molded Body • Fully Serviceable • Rated to 150 PSI • True Union Design
- Integrally Molded Stem Support and Mounting Platform • Double O-Ring Stem Seals
- 90° Turn or 180°; Depending on Required Flow Pattern\*

*These prices include a mounting kit and installation when purchased with an actuator.*

PVC/FPM			PVC/EPDM		CPVC/FPM		CPVC/EPDM	
Size/End Conn	Part No.	List Price	Part No.	List Price	Part No.	List Price	Part No.	List Price
1/2" SKT/THD**	HCLA1050STV90	\$128.20	HCLA1050STE90	\$120.80	HCLA2050STV90	\$152.55	HCLA2050STE90	\$148.80
1/2" Flanged	HCLA1050FV90	\$190.20	HCLA1050FE90	\$189.55	HCLA2050FV90	\$242.45	HCLA2050FE90	\$239.55
3/4" SKT/THD**	HCLA1075STV90	\$131.65	HCLA1075STE90	\$137.10	HCLA2075STV90	\$181.95	HCLA2075STE90	\$171.55
3/4" Flanged	HCLA1075FV90	\$195.35	HCLA1075FE90	\$203.95	HCLA2075FV90	\$258.85	HCLA2075FE90	\$259.35
1" SKT/THD**	HCLA1100STV90	\$174.35	HCLA1100STE90	\$179.60	HCLA2100STV90	\$239.55	HCLA2100STE90	\$222.25
1" Flanged	HCLA1100FV90	\$278.50	HCLA1100FE90	\$273.70	HCLA2100FV90	\$414.25	HCLA2100FE90	\$336.60
1-1/4" SKT/THD**	HCLA1125STV90	\$173.75	HCLA1125STE90	\$179.35	HCLA2125STV90	\$269.55	HCLA2125STE90	\$237.25
1-1/4" Flanged	HCLA1125FV90	\$346.15	HCLA1125FE90	\$333.15	HCLA2125FV90	\$507.00	HCLA2125FE90	\$368.20
1-1/2" SKT/THD**	HCLA1150STV90	\$184.10	HCLA1150STE90	\$182.15	HCLA2150STV90	\$258.15	HCLA2150STE90	\$244.30
1-1/2" Flanged	HCLA1150FV90	\$394.45	HCLA1150FE90	\$389.60	HCLA2150FV90	\$594.30	HCLA2150FE90	\$480.40
2" SKT/THD**	HCLA1200STV90	\$226.55	HCLA1200STE90	\$240.05	HCLA2200STV90	\$343.95	HCLA2200STE90	\$308.90
2" Flanged	HCLA1200FV90	\$571.40	HCLA1200FE90	\$565.20	HCLA2200FV90	\$821.25	HCLA2200FE90	\$682.40
2-1/2" Threaded	HCLA1250TV90	\$722.90	HCLA1250TE90	\$729.65	HCLA2250TV90	\$1,121.10	HCLA2250TE90	\$1,101.30
2-1/2" Socket	HCLA1250SV90	\$722.90	HCLA1250SE90	\$729.65	HCLA2250SV90	\$1,121.10	HCLA2250SE90	\$1,101.30
2-1/2" Flanged	HCLA1250FV90	\$959.95	HCLA1250FE90	\$974.75	HCLA2250FV90	\$1,626.95	HCLA2250FE90	\$1,392.05
3" Threaded	HCLA1300TV90	\$780.75	HCLA1300TE90	\$744.50	HCLA2300TV90	\$1,141.30	HCLA2300TE90	\$1,123.85
3" Socket	HCLA1300SV90	\$780.75	HCLA1300SE90	\$744.50	HCLA2300SV90	\$1,141.30	HCLA2300SE90	\$1,123.85
3" Flanged	HCLA1300FV90	\$1,110.05	HCLA1300FE90	\$987.55	HCLA2300FV90	\$1,637.65	HCLA2300FE90	\$1,411.45
4" Threaded	HCLA1400TV90	\$1,227.50	HCLA1400TE90	\$1,210.70	HCLA2400TV90	\$1,702.90	HCLA2400TE90	\$1,687.30
4" Socket	HCLA1400SV90	\$1,227.50	HCLA1400SE90	\$1,210.70	HCLA2400SV90	\$1,702.90	HCLA2400SE90	\$1,687.30
4" Flanged	HCLA1400FV90	\$1,451.85	HCLA1400FE90	\$1,324.65	HCLA2400FV90	\$2,044.00	HCLA2400FE90	\$1,976.55
6" Flanged***	HCLA1600FV90	\$2,493.05	HCLA1600FE90	\$2,470.95	HCLA2600FV90	\$3,551.40	HCLA2600FE90	\$3,461.35

\* T port requires 180° actuation and L port requires 90° actuation.  
 \*\* 1/2" thru 2" valves are supplied with both socket and threaded end connections.  
 \*\*\* 4" valve venturied to 6".



# TC SERIES TRUE UNION BALL CHECK VALVES



All Ball Check Valves are assembled with silicone free lubricant.

## PVC FPM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/4"***	Socket	12	TC10025S	\$73.35	1-1/2"	Skt/Thd*	6	TC10150ST	\$196.60
	Threaded	12	TC10025T	\$73.35		Flanged	6	TC10150F	\$548.35
3/8"***	Socket	12	TC10037S	\$73.35	2"	Skt/Thd*	1	TC10200ST	\$263.40
	Threaded	12	TC10037T	\$73.35		Flanged	1	TC10200F	\$508.35
1/2"	Skt/Thd*	12	TC10050ST	\$83.45	2-1/2"	Socket	1	TC1250S	\$598.90
	Flanged	12	TC10050F	\$201.75		Threaded	1	TC1250T	\$598.90
3/4"	Skt/Thd*	12	TC10075ST	\$93.35		Flanged	1	TC1250F	\$1,024.80
	Flanged	12	TC10075F	\$229.95	3"	Socket	1	TC1300S	\$614.20
1"	Skt/Thd*	12	TC10100ST	\$118.65		Threaded	1	TC1300T	\$614.20
	Flanged	6	TC10100F	\$295.00	Flanged	1	TC1300F	\$1,243.15	
1-1/4"	Skt/Thd*	6	TC10125ST	\$196.60	4"	Socket	1	TC1400S	\$1,209.45
	Flanged	6	TC10125F	\$490.00		Threaded	1	TC1400T	\$1,209.45
					6"***	Flanged	1	TC1400F	\$1,918.90

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
 \*\* 4" valve venturied to 6".  
 \*\*\* Trim check design only.

## PVC EPDM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TC10050STE	\$73.35	2"	Skt/Thd*	1	TC10200STE	\$239.95
	Flanged	12	TC10050FE	\$151.75		Flanged	1	TC10200FE	\$476.65
3/4"	Skt/Thd*	12	TC10075STE	\$83.45	2-1/2"	Socket	1	TC1250SE	\$563.40
	Flanged	12	TC10075FE	\$179.95		Threaded	1	TC1250TE	\$563.40
1"	Skt/Thd*	12	TC10100STE	\$105.25		Flanged	1	TC1250FE	\$939.05
	Flanged	6	TC10100FE	\$233.25	3"	Socket	1	TC1300SE	\$580.35
1-1/4"	Skt/Thd*	6	TC10125STE	\$170.40		Threaded	1	TC1300TE	\$580.35
	Flanged	6	TC10125FE	\$389.95	Flanged	1	TC1300FE	\$1,181.05	
1-1/2"	Skt/Thd*	6	TC10150STE	\$170.40	4"	Socket	1	TC1400SE	\$1,166.10
	Flanged	6	TC10150FE	\$431.60		Threaded	1	TC1400TE	\$1,166.10
					6"***	Flanged	1	TC1400FE	\$1,857.65

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
 \*\* 4" valve venturied to 6".

## CPVC FPM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TC20050ST	\$132.40	2"	Skt/Thd*	1	TC20200ST	\$434.15
	Flanged	12	TC20050F	\$256.45		Flanged	1	TC20200F	\$888.55
3/4"	Skt/Thd*	12	TC20075ST	\$155.95	2-1/2"	Socket	1	TC2250S	\$1,096.45
	Flanged	12	TC20075F	\$296.70		Threaded	1	TC2250T	\$1,096.45
1"	Skt/Thd*	12	TC20100ST	\$187.70		Flanged	1	TC2250F	\$1,460.30
	Flanged	6	TC20100F	\$370.40	3"	Socket	1	TC2300S	\$1,130.90
1-1/4"	Skt/Thd*	6	TC20125ST	\$325.15		Threaded	1	TC2300T	\$1,130.90
	Flanged	6	TC20125F	\$601.55	Flanged	1	TC2300F	\$2,006.20	
1-1/2"	Skt/Thd*	6	TC20150ST	\$325.15	4"	Socket	1	TC2400S	\$2,279.05
	Flanged	6	TC20150F	\$673.70		Threaded	1	TC2400T	\$2,279.05
					6"***	Flanged	1	TC2400F	\$3,375.45

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.  
 \*\* 4" valve venturied to 6".

CHECK VALVES





# TC SERIES TRUE UNION BALL CHECK VALVES (cont.)

All Ball Check Valves are assembled with silicone free lubricant.



## CPVC EPDM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd*	12	TC20050STE	\$120.75	2"	Skt/Thd*	1	TC20200STE	\$392.20
	Flanged	12	TC20050FE	\$206.20		Flanged	1	TC20200FE	\$786.10
3/4"	Skt/Thd*	12	TC20075STE	\$139.20	2-1/2"	Socket	1	TC2250SE	\$934.45
	Flanged	12	TC20075FE	\$238.05		Threaded	1	TC2250TE	\$934.45
1"	Skt/Thd*	12	TC20100STE	\$174.40		Flanged	1	TC2250FE	\$1,428.45
	Flanged	6	TC20100FE	\$306.75		Socket	1	TC2300SE	\$934.45
1-1/4"	Skt/Thd*	6	TC20125STE	\$296.70	3"	Threaded	1	TC2300TE	\$934.45
	Flanged	6	TC20125FE	\$573.05		Flanged	1	TC2300FE	\$1,672.65
1-1/2"	Skt/Thd*	6	TC20150STE	\$296.70	4"	Socket	1	TC2400SE	\$2,028.45
	Flanged	6	TC20150FE	\$639.95		Threaded	1	TC2400TE	\$2,028.45
						Flanged	1	TC2400FE	\$3,005.30
						6"***	Flanged	1	TC2600FE

\* 1/2" - 2" valves are supplied with socket and threaded end connectors.

\*\* 4" valve venturied to 6".



## PP FPM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Threaded	12	TC30050T	\$177.80	1"	Threaded	12	TC30100T	\$253.20
	Skt Fusion	12	TC30050S	\$177.80		Skt Fusion	12	TC30100S	\$253.20
DN15	Skt Fusion	12	TC3015MS	\$177.80	DN25	Skt Fusion	12	TC3025MS	\$253.20
3/4"	Threaded	12	TC30075T	\$214.65	1-1/2"	Threaded	6	TC30150T	\$422.60
	Skt Fusion	12	TC30075S	\$214.65		Skt Fusion	12	TC30150S	\$422.60
DN20	Skt Fusion	12	TC3020MS	\$214.65	DN40	Skt Fusion	12	TC3040MS	\$422.60
					2"	Threaded	1	TC30200T	\$568.10
						Skt Fusion	12	TC30200S	\$568.10
					DN50	Skt Fusion	12	TC3050MS	\$568.10

## PP EPDM SEATS & O-RINGS

SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN. QTY.	PART NO.	LIST PRICE
1/2"	Threaded	12	TC30050TE	\$142.30	1"	Threaded	12	TC30100TE	\$202.50
	Skt Fusion	12	TC30050SE	\$142.30		Skt Fusion	12	TC30100SE	\$202.50
DN15	Skt Fusion	12	TC3015MSE	\$142.30	DN25	Skt Fusion	12	TC3025MSE	\$202.50
3/4"	Threaded	12	TC30075TE	\$171.75	1-1/2"	Threaded	6	TC30150TE	\$338.00
	Skt Fusion	12	TC30075SE	\$171.75		Skt Fusion	12	TC30150SE	\$338.00
DN20	Skt Fusion	12	TC3020MSE	\$171.75	DN40	Skt Fusion	12	TC3040MSE	\$338.00
					2"	Threaded	1	TC30200TE	\$454.65
						Skt Fusion	12	TC30200SE	\$454.65
					DN50	Skt Fusion	12	TC3050MSE	\$454.65



# TRUE UNION BALL CHECK FOOT VALVE SCREENS

Used to convert True Union Ball Check Valves to foot valves. Nominal 3/16" Perf.

SIZE	PVC		CPVC		PP	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	FV10050SA	\$45.15	FV20050SA	\$63.55	FVP0050SA	\$62.35
3/4"	FV10075SA	\$54.95	FV20075SA	\$68.80	FVP0075SA	\$71.75
1"	FV10100SA	\$63.90	FV20100SA	\$77.90	FVP0100SA	\$190.65
1-1/4" - 1-1/2"	FV10150SA	\$95.20	FV20150SA	\$123.70	FVP0150SA	\$196.30
2"	FV10200SA	\$112.00	FV20200SA	\$138.85	FVP0200SA	\$202.25
2-1/2" - 3"	FV10300SA	\$156.40	FV20300SA	\$229.45	N/A	-
4"	FV10400SA	\$189.60	FV20400SA	\$310.50	N/A	-



## YC SERIES Y-CHECK VALVES

All Y-Check Valves are assembled with silicone free lubricant.

CHECK VALVES

### PVC FPM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC10050S	\$109.25	1-1/2"	Socket	YC10150S	\$220.00
	Threaded	YC10050T	\$109.25		Threaded	YC10150T	\$220.00
	Flanged	YC10050F	\$143.30		Flanged	YC10150F	\$308.20
3/4"	Socket	YC10075S	\$118.35	2"	Socket	YC10200S	\$273.25
	Threaded	YC10075T	\$118.35		Threaded	YC10200T	\$273.25
	Flanged	YC10075F	\$158.40		Flanged	YC10200F	\$414.90
1"	Socket	YC10100S	\$128.25	2-1/2"	Socket	YC10250S	\$582.00
	Threaded	YC10100T	\$128.25		Threaded	YC10250T	\$582.00
	Flanged	YC10100F	\$190.00		Flanged	YC10250F	\$858.20
1-1/4"	Socket	YC10125S	\$201.75	3"	Socket	YC10300S	\$582.00
	Threaded	YC10125T	\$201.75		Threaded	YC10300T	\$582.00
	Flanged	YC10125F	\$291.55		Flanged	YC10300F	\$858.20
4"	Socket	YC10400S	\$952.50	4"	Socket	YC10400S	\$952.50
	Threaded	YC10400T	\$952.50		Threaded	YC10400T	\$952.50
	Flanged	YC10400F	\$1,305.15		Flanged	YC10400F	\$1,305.15

### PVC EPDM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC10050SE	\$109.25	1-1/2"	Socket	YC10150SE	\$220.00
	Threaded	YC10050TE	\$109.25		Threaded	YC10150TE	\$220.00
	Flanged	YC10050FE	\$143.30		Flanged	YC10150FE	\$308.20
3/4"	Socket	YC10075SE	\$118.35	2"	Socket	YC10200SE	\$273.25
	Threaded	YC10075TE	\$118.35		Threaded	YC10200TE	\$273.25
	Flanged	YC10075FE	\$158.40		Flanged	YC10200FE	\$414.90
1"	Socket	YC10100SE	\$128.25	2-1/2"	Socket	YC10250SE	\$587.75
	Threaded	YC10100TE	\$128.25		Threaded	YC10250TE	\$587.75
	Flanged	YC10100FE	\$190.00		Flanged	YC10250FE	\$866.70
1-1/4"	Socket	YC10125SE	\$201.75	3"	Socket	YC10300SE	\$587.75
	Threaded	YC10125TE	\$201.75		Threaded	YC10300TE	\$587.75
	Flanged	YC10125FE	\$291.55		Flanged	YC10300FE	\$866.70
4"	Socket	YC10400SE	\$961.95	4"	Socket	YC10400SE	\$961.95
	Threaded	YC10400TE	\$961.95		Threaded	YC10400TE	\$961.95
	Flanged	YC10400FE	\$1,318.05		Flanged	YC10400FE	\$1,318.05



## YC SERIES Y-CHECK VALVES (cont.)

All Y-Check Valves are assembled with silicone free lubricant.

### CPVC FPM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC20050S	\$253.35	1-1/2"	Socket	YC20150S	\$556.50
	Threaded	YC20050T	\$253.35		Threaded	YC20150T	\$556.50
	Flanged	YC20050F	\$302.40		Flanged	YC20150F	\$654.65
3/4"	Socket	YC20075S	\$279.95	2"	Socket	YC20200S	\$715.15
	Threaded	YC20075T	\$279.95		Threaded	YC20200T	\$715.15
	Flanged	YC20075F	\$318.55		Flanged	YC20200F	\$964.60
1"	Socket	YC20100S	\$358.40	2-1/2"	Socket	YC20250S	\$902.40
	Threaded	YC20100T	\$358.40		Threaded	YC20250T	\$902.40
	Flanged	YC20100F	\$421.65		Flanged	YC20250F	\$1,061.65
1-1/4"	Socket	YC20125S	\$556.50	3"	Socket	YC20300S	\$902.40
	Threaded	YC20125T	\$556.50		Threaded	YC20300T	\$902.40
	Flanged	YC20125F	\$654.65		Flanged	YC20300F	\$1,061.65
				4"	Socket	YC20400S	\$1,558.95
					Threaded	YC20400T	\$1,558.95
					Flanged	YC20400F	\$1,833.95

### CPVC EPDM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC20050SE	\$253.35	1-1/2"	Socket	YC20150SE	\$556.50
	Threaded	YC20050TE	\$253.35		Threaded	YC20150TE	\$556.50
	Flanged	YC20050FE	\$302.40		Flanged	YC20150FE	\$654.65
3/4"	Socket	YC20075SE	\$279.95	2"	Socket	YC20200SE	\$715.15
	Threaded	YC20075TE	\$279.95		Threaded	YC20200TE	\$715.15
	Flanged	YC20075FE	\$318.55		Flanged	YC20200FE	\$964.60
1"	Socket	YC20100SE	\$358.40	2-1/2"	Socket	YC20250SE	\$911.35
	Threaded	YC20100TE	\$358.40		Threaded	YC20250TE	\$911.35
	Flanged	YC20100FE	\$421.65		Flanged	YC20250FE	\$1,072.15
1-1/4"	Socket	YC20125SE	\$556.50	3"	Socket	YC20300SE	\$911.35
	Threaded	YC20125TE	\$556.50		Threaded	YC20300TE	\$911.35
	Flanged	YC20125FE	\$654.65		Flanged	YC20300FE	\$1,072.15
				4"	Socket	YC20400SE	\$1,574.40
					Threaded	YC20400TE	\$1,574.40
					Flanged	YC20400FE	\$1,852.10



## SLC SERIES SPRING-LOADED Y-CHECK VALVES

All Spring-Loaded Y-Check Valves are suitable for both horizontal and vertical installation. 1" valves are furnished with extra 1/2" and 3/4" threaded reducer bushings. 2" valves are furnished with extra 1-1/2" threaded reducer bushings.

### PVC FPM SEALS

SIZE	END CONN.	PART NO.	LIST PRICE
1"	Threaded	SLC10100T	<b>\$233.95</b>
2"	Threaded	SLC10200T	<b>\$310.65</b>
3"	Threaded	SLC10300T	<b>\$517.05</b>
4"	Threaded	SLC10400T	<b>\$665.70</b>

### PVC EPDM SEALS

SIZE	END CONN.	PART NO.	LIST PRICE
1"	Threaded	SLC10100TE	<b>\$225.50</b>
2"	Threaded	SLC10200TE	<b>\$302.25</b>
3"	Threaded	SLC10300TE	<b>\$498.20</b>
4"	Threaded	SLC10400TE	<b>\$627.40</b>

CHECK VALVES



## YC SERIES TRUE UNION Y-CHECK VALVES

All Y-Check Valves are assembled with silicone free lubricant.

### PVC FPM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC10050SU	<b>\$124.50</b>	1-1/2"	Socket	YC10150SU	<b>\$253.80</b>
	Threaded	YC10050TU	<b>\$124.50</b>		Threaded	YC10150TU	<b>\$253.80</b>
3/4"	Socket	YC10075SU	<b>\$136.30</b>	2"	Socket	YC10200SU	<b>\$301.10</b>
	Threaded	YC10075TU	<b>\$136.30</b>		Threaded	YC10200TU	<b>\$301.10</b>
1"	Socket	YC10100SU	<b>\$143.20</b>	2-1/2"	Socket	YC10250SU	<b>\$605.25</b>
	Threaded	YC10100TU	<b>\$143.20</b>		Threaded	YC10250TU	<b>\$605.25</b>
1-1/4"	Socket	YC10125SU	<b>\$231.95</b>	3"	Socket	YC10300SU	<b>\$623.85</b>
	Threaded	YC10125TU	<b>\$231.95</b>		Threaded	YC10300TU	<b>\$623.85</b>
				4"	Socket	YC10400SU	<b>\$990.50</b>
					Threaded	YC10400TU	<b>\$990.50</b>

### PVC EPDM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC10050SEU	<b>\$124.50</b>	1-1/2"	Socket	YC10150SEU	<b>\$253.80</b>
	Threaded	YC10050TEU	<b>\$124.50</b>		Threaded	YC10150TEU	<b>\$253.80</b>
3/4"	Socket	YC10075SEU	<b>\$136.30</b>	2"	Socket	YC10200SEU	<b>\$301.10</b>
	Threaded	YC10075TEU	<b>\$136.30</b>		Threaded	YC10200TEU	<b>\$301.10</b>
1"	Socket	YC10100SEU	<b>\$143.20</b>	2-1/2"	Socket	YC10250SEU	<b>\$599.30</b>
	Threaded	YC10100TEU	<b>\$143.20</b>		Threaded	YC10250TEU	<b>\$599.30</b>
1-1/4"	Socket	YC10125SEU	<b>\$231.95</b>	3"	Socket	YC10300SEU	<b>\$617.75</b>
	Threaded	YC10125TEU	<b>\$231.95</b>		Threaded	YC10300TEU	<b>\$617.75</b>
				4"	Socket	YC10400SEU	<b>\$980.80</b>
					Threaded	YC10400TEU	<b>\$980.80</b>



## YC SERIES TRUE UNION Y-CHECK VALVES (cont.)

All Y-Check Valves are assembled with silicone free lubricant.

### CPVC FPM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC20050SU	\$291.35	1-1/2"	Socket	YC20150SU	\$654.30
	Threaded	YC20050TU	\$291.35		Threaded	YC20150TU	\$654.30
3/4"	Socket	YC20075SU	\$326.25	2"	Socket	YC20200SU	\$797.10
	Threaded	YC20075TU	\$326.25		Threaded	YC20200TU	\$797.10
1"	Socket	YC20100SU	\$400.15	2-1/2"	Socket	YC20250SU	\$950.90
	Threaded	YC20100TU	\$400.15		Threaded	YC20250TU	\$950.90
1-1/4"	Socket	YC20125SU	\$648.05	3"	Socket	YC20300SU	\$980.10
	Threaded	YC20125TU	\$648.05		Threaded	YC20300TU	\$980.10
				4"	Socket	YC20400SU	\$1,632.80
					Threaded	YC20400TU	\$1,632.80

### CPVC EPDM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	YC20050SEU	\$291.35	1-1/2"	Socket	YC20150SEU	\$654.30
	Threaded	YC20050TEU	\$291.35		Threaded	YC20150TEU	\$654.30
3/4"	Socket	YC20075SEU	\$326.25	2"	Socket	YC20200SEU	\$797.10
	Threaded	YC20075TEU	\$326.25		Threaded	YC20200TEU	\$797.10
1"	Socket	YC20100SEU	\$400.15	2-1/2"	Socket	YC20250SEU	\$950.90
	Threaded	YC20100TEU	\$400.15		Threaded	YC20250TEU	\$950.90
1-1/4"	Socket	YC20125SEU	\$648.05	3"	Socket	YC20300SEU	\$980.10
	Threaded	YC20125TEU	\$648.05		Threaded	YC20300TEU	\$980.10
				4"	Socket	YC20400SEU	\$1,632.80
					Threaded	YC20400TEU	\$1,632.80





# SLC SERIES SPRING-LOADED TRUE UNION Y-CHECK VALVES

All Spring-Loaded Y-Check Valves are suitable for both horizontal and vertical installation.

## PVC FPM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	SLC10050SU	\$132.45	1-1/2"	Socket	SLC10150SU	\$269.80
	Threaded	SLC10050TU	\$132.45		Threaded	SLC10150TU	\$269.80
3/4"	Socket	SLC10075SU	\$144.85	2"	Socket	SLC10200SU	\$331.05
	Threaded	SLC10075TU	\$144.85		Threaded	SLC10200TU	\$331.05
1"	Socket	SLC10100SU	\$250.00	2-1/2"	Socket	SLC10250SU	\$550.70
	Threaded	SLC10100TU	\$250.00		Threaded	SLC10250TU	\$550.70
1-1/4"	Socket	SLC10125SU	\$250.00	3"	Socket	SLC10300SU	\$550.70
	Threaded	SLC10125TU	\$250.00		Threaded	SLC10300TU	\$550.70
				4"	Socket	SLC10400SU	\$709.55
					Threaded	SLC10400TU	\$709.55

## PVC EPDM SEAT & SEALS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Socket	SLC10050SEU	\$125.85	1-1/2"	Socket	SLC10150SEU	\$256.35
	Threaded	SLC10050TEU	\$125.85		Threaded	SLC10150TEU	\$256.35
3/4"	Socket	SLC10075SEU	\$137.65	2"	Socket	SLC10200SEU	\$322.35
	Threaded	SLC10075TEU	\$137.65		Threaded	SLC10200TEU	\$322.35
1"	Socket	SLC10100SEU	\$240.00	2-1/2"	Socket	SLC10250SEU	\$530.15
	Threaded	SLC10100TEU	\$240.00		Threaded	SLC10250TEU	\$530.15
1-1/4"	Socket	SLC10125SEU	\$240.00	3"	Socket	SLC10300SEU	\$530.15
	Threaded	SLC10125TEU	\$240.00		Threaded	SLC10300TEU	\$530.15
				4"	Socket	SLC10400SEU	\$667.50
					Threaded	SLC10400TEU	\$667.50



# SW SERIES SWING CHECK VALVES

Swing Check Valves are assembled with silicone free lubricant and are furnished with two o-ring flange seals, so no additional gaskets are required for installation.

PVC WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300V	\$1,063.25
4"	Flanged	SW1400V	\$1,445.55
6"	Flanged	SW1600V	\$2,119.95
8"	Flanged	SW1800V	\$2,922.75

PVC WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300E	\$845.75
4"	Flanged	SW1400E	\$1,127.50
6"	Flanged	SW1600E	\$1,666.15
8"	Flanged	SW1800E	\$2,376.90

PVC WITH FPM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300VC	\$1,287.75
4"	Flanged	SW1400VC	\$1,669.30
6"	Flanged	SW1600VC	\$2,343.55
8"	Flanged	SW1800VC	\$3,144.85

PVC WITH EPDM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW1300EC	\$1,068.65
4"	Flanged	SW1400EC	\$1,350.40
6"	Flanged	SW1600EC	\$1,888.10
8"	Flanged	SW1800EC	\$2,602.20

CPVC WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300V	\$2,352.55
4"	Flanged	SW2400V	\$3,198.35
6"	Flanged	SW2600V	\$4,688.95

CPVC WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300E	\$1,870.55
4"	Flanged	SW2400E	\$2,494.60
6"	Flanged	SW2600E	\$3,681.90

CPVC WITH FPM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300VC	\$2,577.60
4"	Flanged	SW2400VC	\$3,421.75
6"	Flanged	SW2600VC	\$4,912.45

CPVC WITH EPDM SEALS & COUNTERWEIGHT			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW2300EC	\$2,089.25
4"	Flanged	SW2400EC	\$2,718.05
6"	Flanged	SW2600EC	\$3,908.55

GFPP* WITH FPM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW4300V	\$1,230.00
4"	Flanged	SW4400V	\$1,671.40
6"	Flanged	SW4600V	\$2,451.85
8"	Flanged	SW4800V	\$3,382.45

GFPP* WITH EPDM SEALS			
SIZE	END CONN.	PART NO.	LIST PRICE
3"	Flanged	SW4300E	\$979.45
4"	Flanged	SW4400E	\$1,303.50
6"	Flanged	SW4600E	\$1,925.10
8"	Flanged	SW4800E	\$2,750.50

\* GFPP valves with counterweight, consult factory.



## WCV SERIES FULL PATTERN WAFER CHECK VALVES

- New WCV Full Wafer Check Valves require No Spacer or Specialty Flange
- High Flow Rate, Equal to or Greater than Metal Counterparts
- Size Range 2" - 8"
- Pressure Rated at 150 PSI for All Sizes
- Fits both ANSI125/150 and DIN/PN10 Flange Patterns

PVC		WITH SPRING (O-Ring/Spring Materials)			NO SPRING	
		FPM/SS	EPDM/SS	FPM/ HASTELLOY®	FPM	EPDM
SIZE	PART NO.	(VS)	(ES)	(VH)	(V)	(E)
2"	WCV1200XX	\$278.70	\$266.30	\$379.30	\$239.70	\$229.00
2-1/2"	WCV1250XX	\$327.80	\$309.90	\$457.65	\$281.90	\$266.55
3"	WCV1300XX	\$390.20	\$358.10	\$541.95	\$335.60	\$307.95
4"	WCV1400XX	\$459.00	\$409.70	\$637.55	\$394.80	\$352.40
6"	WCV1600XX	\$648.30	\$585.20	\$900.50	\$557.60	\$503.35
8"	WCV1800XX	\$1,233.50	\$1,155.55	\$1,713.10	\$1,060.80	\$993.80

CPVC		WITH SPRING (O-Ring/Spring Materials)			NO SPRING	
		FPM/SS	EPDM/SS	FPM/ HASTELLOY®	FPM	EPDM
SIZE	PART NO.	(VS)	(ES)	(VH)	(V)	(E)
2"	WCV2200XX	\$348.30	\$332.80	\$486.25	\$299.55	\$286.20
2-1/2"	WCV2250XX	\$409.70	\$387.35	\$586.70	\$352.40	\$333.15
3"	WCV2300XX	\$506.70	\$459.00	\$694.70	\$430.25	\$405.20
4"	WCV2400XX	\$573.75	\$525.25	\$787.10	\$487.35	\$451.80
6"	WCV2600XX	\$810.45	\$731.55	\$1,111.65	\$671.75	\$629.10
8"	WCV2800XX	\$1,541.95	\$1,444.35	\$2,141.45	\$1,326.05	\$1,242.10



## WC SERIES WAFER CHECK VALVES

- Large Sizes only 14" - 20" in PVC and PP
- Valves are supplied with o-rings set into body faces. In most cases, flange gaskets will not be required.
- Spacers are required to allow full disk opening with minimum interference with pipe I.D. when using PVC schedule 40 & 80 pipe.
- Spacers are not required for DIN/metric PP and PVDF pipe.

**NOTE:** WC series pictured with spring option.

PVC		WITH SPRING (O-Ring/Spring Materials <sup>2</sup> )			NO SPRING		
		FPM/SS	EPDM/SS	PTFE <sup>1</sup> / HASTELLOY <sup>®</sup>	FPM	EPDM	PTFE <sup>1</sup>
SIZE	PART NO.	(VS)	(ES)	(PH <sup>+</sup> *)	(V)	(E)	(P <sup>+</sup> *)
10"	WC11000XX	\$2,200.10	\$1,920.05	\$2,402.25	\$2,053.70	\$1,813.50	\$2,218.10
12"	WC11200XX	\$2,879.10	\$2,510.65	\$3,141.05	\$2,741.95	\$2,373.55	\$2,879.10
14"	WC11400XX	\$6,867.10	\$6,867.10	POA	\$4,282.50	\$4,282.50	POA
16"	WC11600XX	POA	POA	POA	POA	POA	POA
20"	WC12000XX	POA	POA	POA	POA	POA	POA

PP		WITH SPRING (O-Ring/Spring Materials <sup>2</sup> )			NO SPRING		
		FPM/SS	EPDM/SS	PTFE <sup>1</sup> / HASTELLOY <sup>®</sup>	FPM	EPDM	PTFE <sup>1</sup>
SIZE	PART NO.	(VS)	(ES)	(PH <sup>+</sup> *)	(V)	(E)	(P <sup>+</sup> *)
10"	WC41000XX	\$2,299.75	\$1,988.50	\$2,480.25	\$2,128.55	\$1,815.55	\$2,298.10
12"	WC41200XX	\$3,363.95	\$2,990.20	\$3,220.35	\$2,813.40	\$2,439.75	\$2,953.40
14"	WC41400XX	\$7,000.45	\$7,000.45	POA	\$4,365.65	\$4,365.65	POA
16"	WC41600XX	POA	POA	POA	POA	POA	POA
20"	WC42000XX	POA	POA	POA	POA	POA	POA

<sup>1</sup> PTFE o-rings are PFA encapsulated FPM.

<sup>2</sup> Valves with FPM or EPDM o-rings are supplied w/316 SS springs. Valves with PTFE o-rings are normally supplied w/Hastelloy<sup>®</sup> o-rings.

\* Special order and non-returnable

♦ Available with longer lead time

POA = Priced On Availability, consult factory for price and availability.



## WC SERIES WAFER CHECK VALVES (cont.)

- Valves are supplied with o-rings set into body faces. In most cases, flange gaskets will not be required.
- Valves up to 8" usually require a spacer and it should always be the same material as the valve.
- **Spacers are required to allow full disk opening with minimum interference with pipe I.D. when using PVC schedule 40 & 80 pipe.**
- Spacers are not required for DIN/metric PVDF pipe.

**NOTE:** WC series pictured with spring option.

PVDF		WITH SPRING (O-Ring/Spring Materials <sup>2</sup> )		NO SPRING	
		FPM/SS	PTFE <sup>1</sup> /HASTELLOY <sup>®</sup>	FPM	PTFE <sup>1</sup>
SIZE	PART NO.	(VS)	(PH <sup>+</sup> *)	(V)	(P <sup>+</sup> *)
2"	WC5200XX	\$749.25	\$1,108.40	\$628.90	\$873.30
2-1/2"	WC5250XX	\$871.40	\$1,152.30	\$739.55	\$1,028.05
3"	WC5300XX	\$1,209.60	\$1,461.75	\$1,018.50	\$1,324.35
4"	WC5400XX	\$1,672.05	\$1,931.85	\$1,465.60	\$1,784.75
5"	WC5500XX	\$2,233.65	\$2,508.85	\$2,033.15	\$2,361.75
6"	WC5600XX	\$2,625.40	\$2,845.15	\$2,279.65	\$2,703.65
8"	WC5800XX	\$4,759.50	\$5,246.95	\$4,637.40	\$5,118.85

<sup>1</sup> PTFE o-rings are PFA encapsulated FPM.

<sup>2</sup> Valves with FPM or EPDM o-rings are supplied w/316 SS springs. Valves with PTFE o-rings are normally supplied w/Hastelloy<sup>®</sup> o-rings.

\* Special order and non-returnable.

♦ Available with longer lead time.

POA = Priced On Availability, consult factory for price and availability.

CHECK VALVES



## WC SERIES WAFER CHECK VALVE SPACERS

SIZE	PVC		PP		PVDF	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	-	-	-	-	WCX502SP	\$241.70
2-1/2"	-	-	-	-	WCX525SP	\$315.90
3"	-	-	-	-	WCX503SP	\$450.15
4"	-	-	-	-	WCX504SP	\$631.75
5"	-	-	-	-	WCX505SP	\$1,342.40
6"	-	-	-	-	WCX506SP	\$1,579.20
8"	-	-	-	-	WCX508SP	\$2,037.10
10"	WCX110SP	\$1,096.70	WCX410SP	POA	-	-
12"	WCX112SP	\$1,645.05	WCX412SP	POA	-	-
14"	WCX114SP	POA	-	-	-	-
16"	WCX116SP	POA	-	-	-	-



# BYV SERIES BUTTERFLY VALVES

The revolutionary hand lever design features a 72 spline interlock mechanism allowing for 19 stopping positions every 5 degrees. Additionally, the hand lever material incorporates a UV inhibitor for enhanced performance in outdoor applications.



SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0EL000	\$307.25	BYV11020A0VL000	\$415.00	BYV11020A0NL000	\$307.25
	PVC	GFPP	BYV14020A0EL000	\$307.25	BYV14020A0VL000	\$415.00	BYV14020A0NL000	\$307.25
	CPVC	CPVC	BYV22020A0EL000	\$361.10	BYV22020A0VL000	\$529.30	BYV22020A0NL000	\$361.10
	GFPP	GFPP	BYV44020A0EL000	\$397.75	BYV44020A0VL000	\$562.35	BYV44020A0NL000	\$397.75
2-1/2"	PVC	PVC	BYV11025A0EL000	\$345.30	BYV11025A0VL000	\$586.85	BYV11025A0NL000	\$345.30
	PVC	GFPP	BYV14025A0EL000	\$345.30	BYV14025A0VL000	\$586.85	BYV14025A0NL000	\$345.30
	CPVC	CPVC	BYV22025A0EL000	\$406.50	BYV22025A0VL000	\$590.85	BYV22025A0NL000	\$406.50
	GFPP	GFPP	BYV44025A0EL000	\$418.20	BYV44025A0VL000	\$633.65	BYV44025A0NL000	\$418.20
3"	PVC	PVC	BYV11030A0EL000	\$333.65	BYV11030A0VL000	\$557.20	BYV11030A0NL000	\$333.65
	PVC	GFPP	BYV14030A0EL000	\$333.65	BYV14030A0VL000	\$557.20	BYV14030A0NL000	\$333.65
	CPVC	CPVC	BYV22030A0EL000	\$392.75	BYV22030A0VL000	\$689.15	BYV22030A0NL000	\$392.75
	GFPP	GFPP	BYV44030A0EL000	\$424.80	BYV44030A0VL000	\$756.25	BYV44030A0NL000	\$424.80
4"	PVC	PVC	BYV11040A0EL000	\$387.50	BYV11040A0VL000	\$691.25	BYV11040A0NL000	\$387.50
	PVC	GFPP	BYV14040A0EL000	\$387.50	BYV14040A0VL000	\$691.25	BYV14040A0NL000	\$387.50
	CPVC	CPVC	BYV22040A0EL000	\$456.10	BYV22040A0VL000	\$858.15	BYV22040A0NL000	\$456.10
	GFPP	GFPP	BYV44040A0EL000	\$489.60	BYV44040A0VL000	\$907.45	BYV44040A0NL000	\$489.60
6"	PVC	PVC	BYV11060A0EL000	\$580.70	BYV11060A0VL000	\$1,212.60	BYV11060A0NL000	\$580.70
	PVC	GFPP	BYV14060A0EL000	\$580.70	BYV14060A0VL000	\$1,212.60	BYV14060A0NL000	\$580.70
	CPVC	CPVC	BYV22060A0EL000	\$684.15	BYV22060A0VL000	\$1,505.75	BYV22060A0NL000	\$684.15
	GFPP	GFPP	BYV44060A0EL000	\$738.85	BYV44060A0VL000	\$1,543.65	BYV44060A0NL000	\$738.85
8"	PVC	PVC	BYV11080A0EL000	\$1,016.15	BYV11080A0VL000	\$1,965.70	BYV11080A0NL000	\$1,016.15
	PVC	GFPP	BYV14080A0EL000	\$1,016.15	BYV14080A0VL000	\$1,965.70	BYV14080A0NL000	\$1,016.15
	CPVC	CPVC	BYV22080A0EL000	\$1,196.15	BYV22080A0VL000	\$2,196.35	BYV22080A0NL000	\$1,196.15
	GFPP	GFPP	BYV44080A0EL000	\$1,251.00	BYV44080A0VL000	\$2,331.90	BYV44080A0NL000	\$1,251.00
8" Gear Operated	PVC	PVC	BYV11080A0EG000	\$1,353.20	BYV11080A0VG000	\$2,427.00	BYV11080A0NG000	\$1,353.20
	PVC	GFPP	BYV14080A0EG000	\$1,232.90	BYV14080A0VG000	\$2,427.00	BYV14080A0NG000	\$1,232.90
	CPVC	CPVC	BYV22080A0EG000	\$1,485.45	BYV22080A0VG000	\$2,712.35	BYV22080A0NG000	\$1,485.45
	GFPP	GFPP	BYV44080A0EG000	\$1,539.20	BYV44080A0VG000	\$2,885.30	BYV44080A0NG000	\$1,539.20
10" Gear Operated	PVC	PVC	BYV11100A0EG000	\$1,998.75	BYV11100A0VG000	\$3,620.95	BYV11100A0NG000	\$1,998.75
	PVC	GFPP	BYV14100A0EG000	\$1,767.10	BYV14100A0VG000	\$3,620.95	BYV14100A0NG000	\$1,767.10
	CPVC	CPVC	BYV22100A0EG000	\$2,342.15	BYV22100A0VG000	\$4,442.55	BYV22100A0NG000	\$2,342.15
	GFPP	GFPP	BYV44100A0EG000	\$2,503.85	BYV44100A0VG000	\$4,534.55	BYV44100A0NG000	\$2,503.85
12" Gear Operated	PVC	PVC	BYV11120A0EG000	\$3,110.90	BYV11120A0VG000	\$5,639.30	BYV11120A0NG000	\$3,110.90
	PVC	GFPP	BYV14120A0EG000	\$2,880.25	BYV14120A0VG000	\$5,639.30	BYV14120A0NG000	\$2,880.25
	CPVC	CPVC	BYV22120A0EG000	\$3,413.25	BYV22120A0VG000	\$6,918.75	BYV22120A0NG000	\$3,413.25
	GFPP	GFPP	BYV44120A0EG000	\$3,606.60	BYV44120A0VG000	\$6,985.15	BYV44120A0NG000	\$3,606.60





# BYV SERIES BUTTERFLY VALVES

## \*\*LUGGED\*\*

The lugged BYV features overmolded 316 stainless steel lugs.



PVC/EPDM 2" - 12"  
CPVC/EPDM 4" - 12"

BUTTERFLY VALVES

SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0ELI00	\$519.70	BYV11020A0VLI00	\$685.50	BYV11020A0NLI00	\$519.70
	PVC	GFPP	BYV14020A0ELI00	\$514.55	BYV14020A0VLI00	\$685.50	BYV14020A0NLI00	\$514.55
	CPVC	CPVC	BYV22020A0ELI00	\$569.70	BYV22020A0VLI00	\$777.25	BYV22020A0NLI00	\$569.70
	GFPP	GFPP	BYV44020A0ELI00	\$626.40	BYV44020A0VLI00	\$821.90	BYV44020A0NLI00	\$626.40
2-1/2"	PVC	PVC	BYV11025A0ELI00	\$558.35	BYV11025A0VLI00	\$854.45	BYV11025A0NLI00	\$558.35
	PVC	GFPP	BYV14025A0ELI00	\$558.70	BYV14025A0VLI00	\$852.70	BYV14025A0NLI00	\$558.70
	CPVC	CPVC	BYV22025A0ELI00	\$613.90	BYV22025A0VLI00	\$833.25	BYV22025A0NLI00	\$613.90
	GFPP	GFPP	BYV44025A0ELI00	\$658.70	BYV44025A0VLI00	\$893.60	BYV44025A0NLI00	\$658.70
3"	PVC	PVC	BYV11030A0ELI00	\$568.30	BYV11030A0VLI00	\$855.55	BYV11030A0NLI00	\$568.30
	PVC	GFPP	BYV14030A0ELI00	\$568.80	BYV14030A0VLI00	\$851.35	BYV14030A0NLI00	\$568.80
	CPVC	CPVC	BYV22030A0ELI00	\$623.30	BYV22030A0VLI00	\$957.15	BYV22030A0NLI00	\$623.30
	GFPP	GFPP	BYV44030A0ELI00	\$690.25	BYV44030A0VLI00	\$1,008.30	BYV44030A0NLI00	\$690.25
4"	PVC	PVC	BYV11040A0ELI00	\$672.40	BYV11040A0VLI00	\$1,048.45	BYV11040A0NLI00	\$672.40
	PVC	GFPP	BYV14040A0ELI00	\$671.75	BYV14040A0VLI00	\$1,041.65	BYV14040A0NLI00	\$671.75
	CPVC	CPVC	BYV22040A0ELI00	\$747.10	BYV22040A0VLI00	\$1,164.55	BYV22040A0NLI00	\$747.10
	GFPP	GFPP	BYV44040A0ELI00	\$826.15	BYV44040A0VLI00	\$1,233.20	BYV44040A0NLI00	\$826.15
6"	PVC	PVC	BYV11060A0ELI00	\$928.80	BYV11060A0VLI00	\$1,697.65	BYV11060A0NLI00	\$928.80
	PVC	GFPP	BYV14060A0ELI00	\$951.40	BYV14060A0VLI00	\$1,697.65	BYV14060A0NLI00	\$951.40
	CPVC	CPVC	BYV22060A0ELI00	\$1,047.95	BYV22060A0VLI00	\$1,870.65	BYV22060A0NLI00	\$1,047.95
	GFPP	GFPP	BYV44060A0ELI00	\$1,145.20	BYV44060A0VLI00	\$1,991.80	BYV44060A0NLI00	\$1,145.20
8"	PVC	PVC	BYV11080A0ELI00	\$1,543.20	BYV11080A0VLI00	\$2,499.30	BYV11080A0NLI00	\$1,543.20
	PVC	GFPP	BYV14080A0ELI00	\$1,559.70	BYV14080A0VLI00	\$2,499.30	BYV14080A0NLI00	\$1,559.70
	CPVC	CPVC	BYV22080A0ELI00	\$1,728.95	BYV22080A0VLI00	\$2,734.30	BYV22080A0NLI00	\$1,728.95
	GFPP	GFPP	BYV44080A0ELI00	\$1,772.35	BYV44080A0VLI00	\$2,831.60	BYV44080A0NLI00	\$1,772.35
8" Gear Operated	PVC	PVC	BYV11080A0EGI00	\$1,898.85	BYV11080A0VGI00	\$2,946.00	BYV11080A0NGI00	\$1,898.85
	PVC	GFPP	BYV14080A0EGI00	\$1,798.60	BYV14080A0VGI00	\$3,002.45	BYV14080A0NGI00	\$1,798.60
	CPVC	CPVC	BYV22080A0EGI00	\$2,048.95	BYV22080A0VGI00	\$3,289.40	BYV22080A0NGI00	\$2,048.95
	GFPP	GFPP	BYV44080A0EGI00	\$2,166.60	BYV44080A0VGI00	\$3,430.05	BYV44080A0NGI00	\$2,166.60
10" Gear Operated	PVC	PVC	BYV11100A0EGI00	\$3,311.70	BYV11100A0VGI00	\$4,881.95	BYV11100A0NGI00	\$3,311.70
	PVC	GFPP	BYV14100A0EGI00	\$3,092.45	BYV14100A0VGI00	\$4,969.95	BYV14100A0NGI00	\$3,092.45
	CPVC	CPVC	BYV22100A0EGI00	\$3,821.45	BYV22100A0VGI00	\$5,914.20	BYV22100A0NGI00	\$3,821.45
	GFPP	GFPP	BYV44100A0EGI00	\$4,206.45	BYV44100A0VGI00	\$5,955.25	BYV44100A0NGI00	\$4,206.45
12" Gear Operated	PVC	PVC	BYV11120A0EGI00	\$4,793.85	BYV11120A0VGI00	\$6,945.85	BYV11120A0NGI00	\$4,793.85
	PVC	GFPP	BYV14120A0EGI00	\$4,293.25	BYV14120A0VGI00	\$7,037.05	BYV14120A0NGI00	\$4,293.25
	CPVC	CPVC	BYV22120A0EGI00	\$5,011.00	BYV22120A0VGI00	\$8,505.35	BYV22120A0NGI00	\$5,011.00
	GFPP	GFPP	BYV44120A0EGI00	\$5,212.25	BYV44120A0VGI00	\$8,572.90	BYV44120A0NGI00	\$5,212.25



# BYV SERIES BUTTERFLY VALVES

## \*\*GEAR OPERATED\*\*

The BYV Series are available with cast aluminium gear operator for all sizes with IP65 rated housing and steel internal components designed to enhance its quality, reliability and environmental specifications.



SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0EG000	\$772.00	BYV11020A0VG000	\$766.90	BYV11020A0NG000	\$772.00
	PVC	GFPP	BYV14020A0EG000	\$772.00	BYV14020A0VG000	\$766.90	BYV14020A0NG000	\$772.00
	CPVC	CPVC	BYV22020A0EG000	\$825.90	BYV22020A0VG000	\$849.10	BYV22020A0NG000	\$825.90
	GFPP	GFPP	BYV44020A0EG000	\$844.05	BYV44020A0VG000	\$943.60	BYV44020A0NG000	\$844.05
2-1/2"	PVC	PVC	BYV11025A0EG000	\$810.00	BYV11025A0VG000	\$938.85	BYV11025A0NG000	\$810.00
	PVC	GFPP	BYV14025A0EG000	\$810.00	BYV14025A0VG000	\$938.85	BYV14025A0NG000	\$810.00
	CPVC	CPVC	BYV22025A0EG000	\$871.25	BYV22025A0VG000	\$910.65	BYV22025A0NG000	\$871.25
	GFPP	GFPP	BYV44025A0EG000	\$876.60	BYV44025A0VG000	\$1,066.30	BYV44025A0NG000	\$876.60
3"	PVC	PVC	BYV11030A0EG000	\$798.45	BYV11030A0VG000	\$963.35	BYV11030A0NG000	\$798.45
	PVC	GFPP	BYV14030A0EG000	\$798.45	BYV14030A0VG000	\$963.35	BYV14030A0NG000	\$798.45
	CPVC	CPVC	BYV22030A0EG000	\$857.55	BYV22030A0VG000	\$1,058.15	BYV22030A0NG000	\$857.55
	GFPP	GFPP	BYV44030A0EG000	\$884.00	BYV44030A0VG000	\$1,211.55	BYV44030A0NG000	\$884.00
4"	PVC	PVC	BYV11040A0EG000	\$852.25	BYV11040A0VG000	\$1,106.35	BYV11040A0NG000	\$852.25
	PVC	GFPP	BYV14040A0EG000	\$852.25	BYV14040A0VG000	\$1,106.35	BYV14040A0NG000	\$852.25
	CPVC	CPVC	BYV22040A0EG000	\$920.90	BYV22040A0VG000	\$1,235.35	BYV22040A0NG000	\$920.90
	GFPP	GFPP	BYV44040A0EG000	\$956.85	BYV44040A0VG000	\$1,390.70	BYV44040A0NG000	\$956.85
6"	PVC	PVC	BYV11060A0EG000	\$939.65	BYV11060A0VG000	\$1,561.10	BYV11060A0NG000	\$939.65
	PVC	GFPP	BYV14060A0EG000	\$939.65	BYV14060A0VG000	\$1,561.10	BYV14060A0NG000	\$939.65
	CPVC	CPVC	BYV22060A0EG000	\$1,043.10	BYV22060A0VG000	\$1,854.25	BYV22060A0NG000	\$1,043.10
	GFPP	GFPP	BYV44060A0EG000	\$1,132.15	BYV44060A0VG000	\$1,901.65	BYV44060A0NG000	\$1,132.15
8"	PVC	PVC	BYV11080A0EG000	\$1,436.95	BYV11080A0VG000	\$2,502.05	BYV11080A0NG000	\$1,436.95
	PVC	GFPP	BYV14080A0EG000	\$1,232.90	BYV14080A0VG000	\$2,427.00	BYV14080A0NG000	\$1,232.90
	CPVC	CPVC	BYV22080A0EG000	\$1,485.45	BYV22080A0VG000	\$2,712.35	BYV22080A0NG000	\$1,485.45
	GFPP	GFPP	BYV44080A0EG000	\$1,539.20	BYV44080A0VG000	\$2,885.30	BYV44080A0NG000	\$1,539.20
10"	PVC	PVC	BYV11100A0EG000	\$1,998.75	BYV11100A0VG000	\$3,620.95	BYV11100A0NG000	\$1,998.75
	PVC	GFPP	BYV14100A0EG000	\$1,767.10	BYV14100A0VG000	\$3,620.95	BYV14100A0NG000	\$1,767.10
	CPVC	CPVC	BYV22100A0EG000	\$2,342.15	BYV22100A0VG000	\$4,442.55	BYV22100A0NG000	\$2,342.15
	GFPP	GFPP	BYV44100A0EG000	\$2,503.85	BYV44100A0VG000	\$4,534.55	BYV44100A0NG000	\$2,503.85
12"	PVC	PVC	BYV11120A0EG000	\$3,110.90	BYV11120A0VG000	\$5,639.30	BYV11120A0NG000	\$3,110.90
	PVC	GFPP	BYV14120A0EG000	\$2,880.25	BYV14120A0VG000	\$5,639.30	BYV14120A0NG000	\$2,880.25
	CPVC	CPVC	BYV22120A0EG000	\$3,413.25	BYV22120A0VG000	\$6,918.75	BYV22120A0NG000	\$3,413.25
	GFPP	GFPP	BYV44120A0EG000	\$3,606.60	BYV44120A0VG000	\$6,985.15	BYV44120A0NG000	\$3,606.60



# BYV SERIES BUTTERFLY VALVES

## \*\*LUGGED, GEAR OPERATED\*\*

The lugged BYV features overmolded 316 stainless steel lugs.



PVC/EPDM 2" - 12"  
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0EG100	\$988.10	BYV11020A0VG100	\$1,032.05	BYV11020A0NG100	\$988.10
	PVC	GFPP	BYV14020A0EG100	\$981.50	BYV14020A0VG100	\$1,032.05	BYV14020A0NG100	\$981.50
	CPVC	CPVC	BYV22020A0EG100	\$1,048.85	BYV22020A0VG100	\$1,117.75	BYV22020A0NG100	\$1,048.85
	GFPP	GFPP	BYV44020A0EG100	\$1,055.25	BYV44020A0VG100	\$1,185.25	BYV44020A0NG100	\$1,055.25
2-1/2"	PVC	PVC	BYV11025A0EG100	\$1,030.55	BYV11025A0VG100	\$1,225.80	BYV11025A0NG100	\$1,030.55
	PVC	GFPP	BYV14025A0EG100	\$1,024.45	BYV14025A0VG100	\$1,210.65	BYV14025A0NG100	\$1,024.45
	CPVC	CPVC	BYV22025A0EG100	\$1,075.85	BYV22025A0VG100	\$1,170.75	BYV22025A0NG100	\$1,075.85
	GFPP	GFPP	BYV44025A0EG100	\$1,092.65	BYV44025A0VG100	\$1,342.90	BYV44025A0NG100	\$1,092.65
3"	PVC	PVC	BYV11030A0EG100	\$1,036.70	BYV11030A0VG100	\$1,261.55	BYV11030A0NG100	\$1,036.70
	PVC	GFPP	BYV14030A0EG100	\$1,030.20	BYV14030A0VG100	\$1,276.60	BYV14030A0NG100	\$1,030.20
	CPVC	CPVC	BYV22030A0EG100	\$1,080.60	BYV22030A0VG100	\$1,348.95	BYV22030A0NG100	\$1,080.60
	GFPP	GFPP	BYV44030A0EG100	\$1,119.75	BYV44030A0VG100	\$1,503.40	BYV44030A0NG100	\$1,119.75
4"	PVC	PVC	BYV11040A0EG100	\$1,129.40	BYV11040A0VG100	\$1,473.05	BYV11040A0NG100	\$1,129.40
	PVC	GFPP	BYV14040A0EG100	\$1,166.60	BYV14040A0VG100	\$1,489.60	BYV14040A0NG100	\$1,166.60
	CPVC	CPVC	BYV22040A0EG100	\$1,227.15	BYV22040A0VG100	\$1,601.80	BYV22040A0NG100	\$1,227.15
	GFPP	GFPP	BYV44040A0EG100	\$1,267.90	BYV44040A0VG100	\$1,724.20	BYV44040A0NG100	\$1,267.90
6"	PVC	PVC	BYV11060A0EG100	\$1,510.75	BYV11060A0VG100	\$2,052.55	BYV11060A0NG100	\$1,510.75
	PVC	GFPP	BYV14060A0EG100	\$1,308.40	BYV14060A0VG100	\$2,052.55	BYV14060A0NG100	\$1,308.40
	CPVC	CPVC	BYV22060A0EG100	\$1,423.55	BYV22060A0VG100	\$2,326.90	BYV22060A0NG100	\$1,423.55
	GFPP	GFPP	BYV44060A0EG100	\$1,493.00	BYV44060A0VG100	\$2,249.05	BYV44060A0NG100	\$1,493.00
8"	PVC	PVC	BYV11080A0EG100	\$1,898.85	BYV11080A0VG100	\$2,946.00	BYV11080A0NG100	\$1,898.85
	PVC	GFPP	BYV14080A0EG100	\$1,798.60	BYV14080A0VG100	\$3,002.45	BYV14080A0NG100	\$1,798.60
	CPVC	CPVC	BYV22080A0EG100	\$2,048.95	BYV22080A0VG100	\$3,289.40	BYV22080A0NG100	\$2,048.95
	GFPP	GFPP	BYV44080A0EG100	\$2,166.60	BYV44080A0VG100	\$3,430.05	BYV44080A0NG100	\$2,166.60
10"	PVC	PVC	BYV11100A0EG100	\$3,311.70	BYV11100A0VG100	\$4,881.95	BYV11100A0NG100	\$3,311.70
	PVC	GFPP	BYV14100A0EG100	\$3,092.45	BYV14100A0VG100	\$4,969.95	BYV14100A0NG100	\$3,092.45
	CPVC	CPVC	BYV22100A0EG100	\$3,821.45	BYV22100A0VG100	\$5,914.20	BYV22100A0NG100	\$3,821.45
	GFPP	GFPP	BYV44100A0EG100	\$4,206.45	BYV44100A0VG100	\$5,955.25	BYV44100A0NG100	\$4,206.45
12"	PVC	PVC	BYV11120A0EG100	\$4,793.85	BYV11120A0VG100	\$6,945.85	BYV11120A0NG100	\$4,793.85
	PVC	GFPP	BYV14120A0EG100	\$4,293.25	BYV14120A0VG100	\$7,037.05	BYV14120A0NG100	\$4,293.25
	CPVC	CPVC	BYV22120A0EG100	\$5,011.00	BYV22120A0VG100	\$8,505.35	BYV22120A0NG100	\$5,011.00
	GFPP	GFPP	BYV44120A0EG100	\$5,212.25	BYV44120A0VG100	\$8,572.90	BYV44120A0NG100	\$5,212.25

BUTTERFLY VALVES

## BUTTERFLY VALVE OPTIONS – BYV

Add to price of butterfly valves above. Exchange 0 for an 8 to get the Titanium Shaft Adder Part Number.  
e.g. Part No. BYV11020A0VL000 with a Titanium Shaft is BYV11020A8VL000.

SIZE	TITANIUM SHAFT (ADDER TO LIST PRICE)	CHAIN OPERATOR (CO2RA)	PART NO.	2" SQUARE NUT*
2"	\$559.55	\$609.75	SQNUTBYV3	\$177.15
3"	\$559.55	\$609.75	SQNUTBYV3	\$177.15
4"	\$659.50	\$609.75	SQNUTBYV4	\$177.15

\*Square nuts are available for the gear box, consult factory.

SIZE	TITANIUM SHAFT (ADDER TO LIST PRICE)	CHAIN OPERATOR (CO2RA)	PART NO.	2" SQUARE NUT*
6"	\$1,084.45	\$609.75	SQNUTBYV6	\$177.15
8"	\$1,812.30	\$609.75	SQNUTBYV8	\$177.15
10"	POA	POA	N/A	N/A
12"	POA	POA	N/A	N/A



# BYV SERIES BUTTERFLY VALVES

## \*\*ACTUATION READY\*\*



PVC/EPDM 2" - 12"  
CPVC/EPDM 4" - 12"

The BYV Series features an ISO5211 Mounting Pad and Drive Stem making actuation easier and more economical. Hayward's vast range of pneumatic and electric actuators are the perfect compliment to the BYV Series. Hayward's in house actuation center provides you with a full range of options and accessories as well.

SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0EK000	\$276.55	BYV11020A0VK000	\$377.65	BYV11020A0NK000	\$276.55
	PVC	GFPP	BYV14020A0EK000	\$276.55	BYV14020A0VK000	\$377.65	BYV14020A0NK000	\$276.55
	CPVC	CPVC	BYV22020A0EK000	\$332.20	BYV22020A0VK000	\$486.95	BYV22020A0NK000	\$332.20
	GFPP	GFPP	BYV44020A0EK000	\$365.95	BYV44020A0VK000	\$597.00	BYV44020A0NK000	\$365.95
2-1/2"	PVC	PVC	BYV11025A0EK000	\$310.80	BYV11025A0VK000	\$545.80	BYV11025A0NK000	\$310.80
	PVC	GFPP	BYV14025A0EK000	\$310.80	BYV14025A0VK000	\$545.80	BYV14025A0NK000	\$310.80
	CPVC	CPVC	BYV22025A0EK000	\$374.00	BYV22025A0VK000	\$543.60	BYV22025A0NK000	\$374.00
	GFPP	GFPP	BYV44025A0EK000	\$384.80	BYV44025A0VK000	\$672.60	BYV44025A0NK000	\$384.80
3"	PVC	PVC	BYV11030A0EK000	\$300.30	BYV11030A0VK000	\$518.20	BYV11030A0NK000	\$300.30
	PVC	GFPP	BYV14030A0EK000	\$300.30	BYV14030A0VK000	\$518.20	BYV14030A0NK000	\$300.30
	CPVC	CPVC	BYV22030A0EK000	\$361.35	BYV22030A0VK000	\$634.00	BYV22030A0NK000	\$361.35
	GFPP	GFPP	BYV44030A0EK000	\$390.85	BYV44030A0VK000	\$770.70	BYV44030A0NK000	\$390.85
4"	PVC	PVC	BYV11040A0EK000	\$348.80	BYV11040A0VK000	\$649.75	BYV11040A0NK000	\$348.80
	PVC	GFPP	BYV14040A0EK000	\$348.80	BYV14040A0VK000	\$649.75	BYV14040A0NK000	\$348.80
	CPVC	CPVC	BYV22040A0EK000	\$419.60	BYV22040A0VK000	\$789.50	BYV22040A0NK000	\$419.60
	GFPP	GFPP	BYV44040A0EK000	\$450.40	BYV44040A0VK000	\$924.75	BYV44040A0NK000	\$450.40
6"	PVC	PVC	BYV11060A0EK000	\$522.65	BYV11060A0VK000	\$1,164.10	BYV11060A0NK000	\$522.65
	PVC	GFPP	BYV14060A0EK000	\$522.65	BYV14060A0VK000	\$1,164.10	BYV14060A0NK000	\$522.65
	CPVC	CPVC	BYV22060A0EK000	\$629.50	BYV22060A0VK000	\$1,385.30	BYV22060A0NK000	\$629.50
	GFPP	GFPP	BYV44060A0EK000	\$679.75	BYV44060A0VK000	\$1,488.90	BYV44060A0NK000	\$679.75
8"	PVC	PVC	BYV11080A0EK000	\$914.55	BYV11080A0VK000	\$1,945.35	BYV11080A0NK000	\$914.55
	PVC	GFPP	BYV14080A0EK000	\$914.55	BYV14080A0VK000	\$1,945.35	BYV14080A0NK000	\$914.55
	CPVC	CPVC	BYV22080A0EK000	\$1,100.50	BYV22080A0VK000	\$2,083.15	BYV22080A0NK000	\$1,100.50
	GFPP	GFPP	BYV44080A0EK000	\$1,195.80	BYV44080A0VK000	\$2,176.00	BYV44080A0NK000	\$1,195.80
10"	PVC	PVC	BYV11100A0EK000	\$1,698.95	BYV11100A0VK000	\$3,367.50	BYV11100A0NK000	\$1,698.95
	PVC	GFPP	BYV14100A0EK000	\$1,502.05	BYV14100A0VK000	\$3,367.50	BYV14100A0NK000	\$1,502.05
	CPVC	CPVC	BYV22100A0EK000	\$2,037.70	BYV22100A0VK000	\$3,865.00	BYV22100A0NK000	\$2,037.70
	GFPP	GFPP	BYV44100A0EK000	\$2,178.35	BYV44100A0VK000	\$3,945.10	BYV44100A0NK000	\$2,178.35
12"	PVC	PVC	BYV11120A0EK000	\$2,644.25	BYV11120A0VK000	\$5,244.55	BYV11120A0NK000	\$2,644.25
	PVC	GFPP	BYV14120A0EK000	\$2,448.25	BYV14120A0VK000	\$5,244.55	BYV14120A0NK000	\$2,448.25
	CPVC	CPVC	BYV22120A0EK000	\$2,969.55	BYV22120A0VK000	\$6,019.35	BYV22120A0NK000	\$2,969.55
	GFPP	GFPP	BYV44120A0EK000	\$3,137.75	BYV44120A0VK000	\$6,145.35	BYV44120A0NK000	\$3,137.75

All valves are Bare Stem only and do not include Hardware and Assembly.  
Consult pricing on [page 39](#) for Hardware and Assembly.



# BYV SERIES BUTTERFLY VALVES

## \*\*ACTUATION HARDWARE AND ASSEMBLY\*\*

### HARDWARE AND ASSEMBLY

SIZE	PART NO.*	LIST PRICE
2"-4"	BYVMKT24	\$108.20
6"-8"	BYVMKT68	\$162.25
10"-12"	BYVMKT12	\$216.35

Hayward is now introducing a New Actuation Pricing Structure for ordering actuated BYV Series, due to its ease of actuation, making it more economical. In addition to ordering the valve and actuator, please include one of three standard part numbers listed below for hardware and assembly by size of the valve.

\* The above part numbers are not for ordering extra hardware or mounting kits. Please contact Customer Service for part numbers.



## BYV SERIES BUTTERFLY VALVES

### \*\*LUGGED, ACTUATION READY\*\*

The BYV features reinforced lug holes and can be ordered with overmolded 316 stainless steel lugs for dead end service needs.



PVC/EPDM 2" - 12"  
CPVC/EPDM 4" - 12"

SIZE	BODY	DISC	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	BYV11020A0EKI00	\$500.35	BYV11020A0VKI00	\$604.65	BYV11020A0NKI00	\$500.35
	PVC	GFPP	BYV14020A0EKI00	\$486.85	BYV14020A0VKI00	\$604.65	BYV14020A0NKI00	\$486.85
	CPVC	CPVC	BYV22020A0EKI00	\$551.40	BYV22020A0VKI00	\$707.65	BYV22020A0NKI00	\$551.40
	GFPP	GFPP	BYV44020A0EKI00	\$572.70	BYV44020A0VKI00	\$823.65	BYV44020A0NKI00	\$572.70
2-1/2"	PVC	PVC	BYV11025A0EKI00	\$519.80	BYV11025A0VKI00	\$758.00	BYV11025A0NKI00	\$519.80
	PVC	GFPP	BYV14025A0EKI00	\$519.90	BYV14025A0VKI00	\$744.75	BYV14025A0NKI00	\$519.90
	CPVC	CPVC	BYV22025A0EKI00	\$583.40	BYV22025A0VKI00	\$745.25	BYV22025A0NKI00	\$583.40
	GFPP	GFPP	BYV44025A0EKI00	\$602.25	BYV44025A0VKI00	\$881.60	BYV44025A0NKI00	\$602.25
3"	PVC	PVC	BYV11030A0EKI00	\$527.65	BYV11030A0VKI00	\$768.45	BYV11030A0NKI00	\$527.65
	PVC	GFPP	BYV14030A0EKI00	\$515.20	BYV14030A0VKI00	\$754.20	BYV14030A0NKI00	\$515.20
	CPVC	CPVC	BYV22030A0EKI00	\$572.75	BYV22030A0VKI00	\$862.55	BYV22030A0NKI00	\$572.75
	GFPP	GFPP	BYV44030A0EKI00	\$611.70	BYV44030A0VKI00	\$996.85	BYV44030A0NKI00	\$611.70
4"	PVC	PVC	BYV11040A0EKI00	\$629.80	BYV11040A0VKI00	\$970.30	BYV11040A0NKI00	\$629.80
	PVC	GFPP	BYV14040A0EKI00	\$652.95	BYV14040A0VKI00	\$947.60	BYV14040A0NKI00	\$652.95
	CPVC	CPVC	BYV22040A0EKI00	\$700.60	BYV22040A0VKI00	\$1,082.20	BYV22040A0NKI00	\$700.60
	GFPP	GFPP	BYV44040A0EKI00	\$740.45	BYV44040A0VKI00	\$1,373.35	BYV44040A0NKI00	\$740.45
6"	PVC	PVC	BYV11060A0EKI00	\$872.15	BYV11060A0VKI00	\$1,534.20	BYV11060A0NKI00	\$872.15
	PVC	GFPP	BYV14060A0EKI00	\$893.90	BYV14060A0VKI00	\$1,534.20	BYV14060A0NKI00	\$893.90
	CPVC	CPVC	BYV22060A0EKI00	\$996.45	BYV22060A0VKI00	\$1,759.85	BYV22060A0NKI00	\$996.45
	GFPP	GFPP	BYV44060A0EKI00	\$1,133.05	BYV44060A0VKI00	\$2,030.20	BYV44060A0NKI00	\$1,133.05
8"	PVC	PVC	BYV11080A0EKI00	\$1,455.70	BYV11080A0VKI00	\$2,435.20	BYV11080A0NKI00	\$1,455.70
	PVC	GFPP	BYV14080A0EKI00	\$1,448.95	BYV14080A0VKI00	\$2,529.35	BYV14080A0NKI00	\$1,448.95
	CPVC	CPVC	BYV22080A0EKI00	\$1,627.85	BYV22080A0VKI00	\$2,572.75	BYV22080A0NKI00	\$1,627.85
	GFPP	GFPP	BYV44080A0EKI00	\$1,939.20	BYV44080A0VKI00	\$2,871.95	BYV44080A0NKI00	\$1,939.20
10"	PVC	PVC	BYV11100A0EKI00	\$3,128.05	BYV11100A0VKI00	\$4,801.80	BYV11100A0NKI00	\$3,128.05
	PVC	GFPP	BYV14100A0EKI00	\$2,823.85	BYV14100A0VKI00	\$4,693.20	BYV14100A0NKI00	\$2,823.85
	CPVC	CPVC	BYV22100A0EKI00	\$3,691.30	BYV22100A0VKI00	\$5,229.80	BYV22100A0NKI00	\$3,691.30
	GFPP	GFPP	BYV44100A0EKI00	\$4,057.90	BYV44100A0VKI00	\$5,607.90	BYV44100A0NKI00	\$4,057.90
12"	PVC	PVC	BYV11120A0EKI00	\$4,392.50	BYV11120A0VKI00	\$6,773.05	BYV11120A0NKI00	\$4,392.50
	PVC	GFPP	BYV14120A0EKI00	\$4,052.00	BYV14120A0VKI00	\$6,624.85	BYV14120A0NKI00	\$4,052.00
	CPVC	CPVC	BYV22120A0EKI00	\$4,773.00	BYV22120A0VKI00	\$7,678.50	BYV22120A0NKI00	\$4,773.00
	GFPP	GFPP	BYV44120A0EKI00	\$5,307.95	BYV44120A0VKI00	\$7,959.10	BYV44120A0NKI00	\$5,307.95

All valves are Bare Stem only and do not include Hardware and Assembly.

BUTTERFLY VALVES

# DIN/EN (DN) PART NUMBER MATRIX – BYV

All BYV Series configurations and materials are available with bolt patterns corresponding to DIN/EN Standards. The body of the valve has a bolt circle and bolt holes that comply with DIN EN 1092-1, PN10. Face to face dimensions comply with ISO 5752, table 5, short. Change the part number to order the DIN/EN size by replacing the ASME/ANSI B16.5 size with the corresponding DN size listed. Pricing for ANSI and DIN are the same.

ASME/ANSI	PART NO.	DN	d	PART NO.
2"	BYVXX020AXXXXXX	50	63	BYVXX050MXXXXXX
2-1/2"	BYVXX025AXXXXXX	65 (4 bolt)	75	BYVXX065MXXXXXX
3"	BYVXX030AXXXXXX	80	90	BYVXX080MXXXXXX
4"	BYVXX040AXXXXXX	100	110	BYVXX100MXXXXXX
6"	BYVXX060AXXXXXX	150	160	BYVXX150MXXXXXX
8"	BYVXX080AXXXXXX	200	225	BYVXX200MXXXXXX
10"	BYVXX100AXXXXXX	250	280	BYVXX250MXXXXXX
12"	BYVXX120AXXXXXX	300	315	BYVXX300MXXXXXX



## LOCK OUT CAPS – BYV

SIZE	PART NO.	LIST PRICE	SIZE	PART NO. WITH 316SS TAB	LIST PRICE WITH 316SS TAB
2" - 3"	BYVCAPK030	\$31.20	2" - 3"	BYVCAPK030L	\$46.80
4"	BYVCAPK040	\$31.20	4"	BYVCAPK040L	\$46.80
6"	BYVCAPK060	\$36.40	6"	BYVCAPK060L	\$52.00
8"	BYVCAPK080	\$36.40	8"	BYVCAPK080L	\$52.00



## BYB SERIES BUTTERFLY VALVES \*\*GEAR OPERATED\*\*

All BYB Series Industrial Butterfly Valves feature 410 SS stems. BYB Series are gear operated only.

SIZE	BODY	DISC	FPM LINER & SEALS		EPDM LINER & SEALS		NITRILE LINER & SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
14"	PVC	PP	BYB1140F3GGA	POA	BYB1140E3GGA	POA	BYB1140N3GGA	POA
	CPVC	CPVC	BYB2140F2GGA	POA	BYB2140E2GGA	POA	BYB2140N2GGA	POA
	PP	PP	BYB3140F3GGA	POA	BYB3140E3GGA	POA	BYB3140N3GGA	POA
	PVDF	PVDF	BYB5140F5GWA	POA	BYB5140E5GWA	POA	BYB5140N5GWA	POA
16"	PVC	PP	BYB1160F3GGA	POA	BYB1160E3GGA	POA	BYB1160N3GGA	POA
	CPVC	CPVC	BYB2160F2GGA	POA	BYB2160E2GGA	POA	BYB2160N2GGA	POA
	PP	PP	BYB3160F3GGA	POA	BYB3160E3GGA	POA	BYB3160N3GGA	POA
	PVDF	PVDF	BYB5160F5GWA	POA	BYB5160E5GWA	POA	BYB5160N5GWA	POA
18"	PVC	PP	BYB1180F3GGA	POA	BYB1180E3GGA	POA	BYB1180N3GGA	POA
	CPVC	CPVC	BYB2180F2GGA	POA	BYB2180E2GGA	POA	BYB2180N2GGA	POA
	PP	PP	BYB3180F3GGA	POA	BYB3180E3GGA	POA	BYB3180N3GGA	POA
	PVDF	PVDF	BYB5180F5GWA	POA	BYB5180E5GWA	POA	BYB5180N5GWA	POA
20"	PVC	PP	BYB1200F3GGA	POA	BYB1200E3GGA	POA	BYB1200N3GGA	POA
	CPVC	CPVC	BYB2200F2GGA	POA	BYB2200E2GGA	POA	BYB2200N2GGA	POA
	PP	PP	BYB3200F3GGA	POA	BYB3200E3GGA	POA	BYB3200N3GGA	POA
	PVDF	PVDF	BYB5200F5GWA	POA	BYB5200E5GWA	POA	BYB5200N5GWA	POA
24"	PVC	PP	BYB1240F3GGA	POA	BYB1240E3GGA	POA	BYB1240N3GGA	POA
	CPVC	CPVC	BYB2240F2GGA	POA	BYB2240E2GGA	POA	BYB2240N2GGA	POA
	PP	PP	BYB3240F3GGA	POA	BYB3240E3GGA	POA	BYB3240N3GGA	POA
	PVDF	PVDF	BYB5240F5GWA	POA	BYB5240E5GWA	POA	BYB5240N5GWA	POA

POA = Priced On Availability, consult factory for pricing and availability.





# BYB SERIES BUTTERFLY VALVES

## \*\*ACTUATION READY\*\*

Hayward's vast range of pneumatic and electric actuators are the perfect compliment to the BYB Series.

Hayward's in house actuation center provides you with a full range of options and accessories as well.

SIZE	BODY	DISC	FPM LINER & SEALS		EPDM LINER & SEALS		NITRILE LINER & SEALS	
			PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
14"	PVC	PP	BYB1140F3KGA	POA	BYB1140E3KGA	POA	BYB1140N3KGA	POA
	CPVC	CPVC	BYB2140F2KGA	POA	BYB2140E2KGA	POA	BYB2140N2KGA	POA
	PP	PP	BYB3140F3KGA	POA	BYB3140E3KGA	POA	BYB3140N3KGA	POA
	PVDF	PVDF	BYB5140F5KGA	POA	BYB5140E5KGA	POA	BYB5140N5KGA	POA
16"	PVC	PP	BYB1160F3KGA	POA	BYB1160E3KGA	POA	BYB1160N3KGA	POA
	CPVC	CPVC	BYB2160F2KGA	POA	BYB2160E2KGA	POA	BYB2160N2KGA	POA
	PP	PP	BYB3160F3KGA	POA	BYB3160E3KGA	POA	BYB3160N3KGA	POA
	PVDF	PVDF	BYB5160F5KGA	POA	BYB5160E5KGA	POA	BYB5160N5KGA	POA
18"	PVC	PP	BYB1180F3KGA	POA	BYB1180E3KGA	POA	BYB1180N3KGA	POA
	CPVC	CPVC	BYB2180F2KGA	POA	BYB2180E2KGA	POA	BYB2180N2KGA	POA
	PP	PP	BYB3180F3KGA	POA	BYB3180E3KGA	POA	BYB3180N3KGA	POA
	PVDF	PVDF	BYB5180F5KGA	POA	BYB5180E5KGA	POA	BYB5180N5KGA	POA
20"	PVC	PP	BYB1200F3KGA	POA	BYB1200E3KGA	POA	BYB1200N3KGA	POA
	CPVC	CPVC	BYB2200F2KGA	POA	BYB2200E2KGA	POA	BYB2200N2KGA	POA
	PP	PP	BYB3200F3KGA	POA	BYB3200E3KGA	POA	BYB3200N3KGA	POA
	PVDF	PVDF	BYB5200F5KGA	POA	BYB5200E5KGA	POA	BYB5200N5KGA	POA
24"	PVC	PP	BYB1240F3KGA	POA	BYB1240E3KGA	POA	BYB1240N3KGA	POA
	CPVC	CPVC	BYB2240F2KGA	POA	BYB2240E2KGA	POA	BYB2240N2KGA	POA
	PP	PP	BYB3240F3KGA	POA	BYB3240E3KGA	POA	BYB3240N3KGA	POA
	PVDF	PVDF	BYB5240F5KGA	POA	BYB5240E5KGA	POA	BYB5240N5KGA	POA

POA = Priced on Availability. Consult factory for pricing and availability.

## BYB SERIES ACTUATOR MOUNTING KIT AND HARDWARE

Hayward is now introducing a New Actuation Pricing Structure for ordering actuated BYB Series, making it more economical.

In addition to ordering the valve and actuator, please include one of the standard part numbers listed below for hardware and assembly by size of the valve.

SIZE	PART NO.	LIST PRICE
14"	BYBMKT14	POA
16" - 18"	BYBMKT18	POA
20" - 24"	BYBMKT24	POA



# STEM EXTENSION OPTIONS - BYV

## STEM EXTENSION PART NUMBER MATRIX

Stem extension is a price adder to the List Price of the Butterfly Valve.  
See [page 43](#) for stem extension pricing.

### BYV SERIES - Unsupported

SIZE	HANDLE	HANDLE	HANDWHEEL EXTENSION FOR GEARBOX	
	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
2"	SPGBYV3EXTL012	SPGBYV3EXTL120	SPGBYV3EXT012	SPGBYV3EXT180
3"	SPGBYV3EXTL012	SPGBYV3EXTL120	SPGBYV3EXT012	SPGBYV3EXT180
4"	SPGBYV4EXTL012	SPGBYV4EXTL120	SPGBYV4EXT012	SPGBYV4EXT180
6"	SPGBYV6EXTL012	SPGBYV6EXTL120	SPGBYV6EXT012	SPGBYV6EXT180
8"	SPGBYV8EXTL012	SPGBYV8EXTL120	SPGBYV8EXT012	SPGBYV8EXT180
10"	NA	NA	SPGBYV10EXT012	SPGBYV10EXT180
12"	NA	NA	SPGBYV12EXT012	SPGBYV12EXT180

### BYV SERIES - Supported

SIZE	ALUM. HOUSING/ SSTL SHAFT EXT.	ALUM. HOUSING/ SSTL SHAFT EXT.	SSTL HOUSING/ SSTL SHAFT EXT.	SSTL HOUSING/ SSTL SHAFT EXT.
	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
2"	BYVK3EX012AL	BYVK3EX120AL	BYVK3EX012SS	BYVK3EX120SS
3"	BYVK3EX012AL	BYVK3EX120AL	BYVK3EX012SS	BYVK3EX120SS
4"	BYVK4EX012AL	BYVK4EX120AL	BYVK4EX012SS	BYVK4EX120SS
6"	BYVK6EX012AL	BYVK6EX120AL	BYVK6EX012SS	BYVK6EX120SS
8"	BYVK8EX012AL	BYVK8EX120AL	BYVK8EX012SS	BYVK8EX120SS
10"	BYVK10EX012AL	BYVK10EX120AL	BYVK10EX012SS	BYVK10EX120SS
12"	BYVK12EX012AL	BYVK12EX120AL	BYVK12EX012SS	BYVK12EX120SS

### BYV SERIES - Supported

SIZE	STEEL	STEEL	PVC HOUSING/ SSTL SHAFT EXT.	PVC HOUSING/ SSTL SHAFT EXT.
	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
2"	BYVK3EX012ST	BYVK3EX120ST	BYVK3EX012	BYVK3EX120
3"	BYVK3EX012ST	BYVK3EX120ST	BYVK3EX012	BYVK3EX120
4"	BYVK4EX012ST	BYVK4EX120ST	BYVK4EX012	BYVK4EX120
6"	BYVK6EX012ST	BYVK6EX120ST	BYVK6EX012	BYVK6EX096
8"	BYVK8EX012ST	BYVK8EX120ST	BYVK8EX012	BYVK8EX096
10"	BYVK10EX012ST	BYVK10EX120ST	BYVK10EX012	BYVK10EX060
12"	BYVK12EX012ST	BYVK12EX120ST	BYVK12EX012	BYVK12EX060



# STEM EXTENSION OPTIONS – BYB

## STEM EXTENSION PART NUMBER MATRIX

Stem extension is a price adder to the List Price of the Butterfly Valve.  
See table below for stem extension pricing.

### BYB SERIES - Supported

SIZE	ALUM. HOUSING/ SSTL SHAFT EXT.	ALUM. HOUSING/ SSTL SHAFT EXT.	SSTL HOUSING/ SSTL SHAFT EXT.	SSTL HOUSING/ SSTL SHAFT EXT.	STEEL	STEEL
	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)	Min. Length (in.)	Max. Length (in.)
14"	LFSEB14X012	LFSEB14X120	HCBYB14EX012SS	HCBYB14EX120SS	HCBYB14EX012ST	HCBYB14EX120ST
16"	LFSEB16X012	LFSEB16X120	HCBYB16EX012SS	HCBYB16EX120SS	HCBYB16EX012ST	HCBYB16EX120ST
18"	LFSEB16X012	LFSEB16X120	HCBYB16EX012SS	HCBYB16EX120SS	HCBYB16EX012ST	HCBYB16EX120ST
20"	LFSEB20X012	LFSEB20X120	HCBYB20EX012SS	HCBYB20EX120SS	HCBYB20EX012ST	HCBYB20EX120ST
24"	LFSEB20X012	LFSEB20X120	HCBYB20EX012SS	HCBYB20EX120SS	HCBYB20EX012ST	HCBYB20EX120ST

# STEM EXTENSION OPTIONS – BYV & BYB

## BUTTERFLY VALVE STEM EXTENSION\* PRICE

LENGTH	TYPE EXTENSION	LIST PRICE
First 24"	1-1/2" - 8" 316 SS/Alum Stem Extension Unsupported Lever	<b>\$645.70</b>
Ea. Addtn'l 6"	1-1/2" - 8" 316 SS/Alum Stem Extension Unsupported Lever	<b>\$43.20</b>
Wall Support Bracket	1-1/2" - 8" 316 SS/Alum Stem Extension Unsupported Lever (not included)	<b>\$256.25</b>
First 24"	1-1/2" - 8" Plastic or Carbon Steel supported Stem Extension for Gear Op. or Act. (not included)	<b>\$835.05</b>
Ea. Addtn'l 6"	1-1/2" - 8" Plastic or Carbon Steel supported Stem Extension for Gear Op. or Act. (not included)	<b>\$63.80</b>
First 24"	1-1/2" - 8" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	<b>\$835.05</b>
Ea. Addtn'l 6"	1-1/2" - 8" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	<b>\$77.55</b>
First 24"	1-1/2" - 8" SS supported Stem Extension for Gear Op. Act. (not included)	<b>\$981.45</b>
Ea. Addtn'l 6"	1-1/2" - 8" SS supported Stem Extension for Gear Op. or Act. (not included)	<b>\$86.10</b>
First 24"	10" - 12" Plastic supported Stem Extension for Gear Op. or Act. (not included)	<b>\$929.75</b>
Ea. Addtn'l 6"	10" - 12" Plastic supported Stem Extension for Gear Op. or Act. (not included)	<b>\$72.35</b>
First 24"	10" - 12" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	<b>\$1,024.45</b>
Ea. Addtn'l 6"	10" - 12" Aluminum supported Stem Extension for Gear Op. or Act. (not included)	<b>\$86.10</b>
First 24"	10" - 12" SS supported Stem Extension for Gear Op. or Act. (not included)	<b>\$1,179.35</b>
Ea. Addtn'l 6"	10" - 12" SS supported Stem Extension for Gear Op. or Act. (not included)	<b>\$94.85</b>
First 24"	14" - 24" Carbon Steel supported Stem Extension for Gear Op. or Act. (not included)	<b>\$1,170.85</b>
Ea. Addtn'l 6"	14" - 24" Carbon Steel supported Stem Extension for Gear Op. or Act. (not included)	<b>\$146.45</b>
First 24"	14" - 24" SS supported Stem Extension for Gear Op. or Act. (not included)	<b>\$1,368.80</b>
Ea. Addtn'l 6"	14" - 24" SS supported Stem Extension for Gear Op. or Act. (not included)	<b>\$189.60</b>

\* Neither a Gear Box Operator nor an Actuator are included with stem extensions. These items must be purchased separately.



## SURE-TUFF™ BYCS SERIES BUTTERFLY VALVES

- Valves feature 410 Stainless Steel Shafts.
- Available with red lever handle or gear operated.

SIZE	DESCRIPTION			LEVER		GEAR	
	BODY	DISC	LINER	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	EPDM	BYCS1020E1LGA	\$144.75	BYCS1020E1GGA	\$449.85
2-1/2"				BYCS1025E1LGA	\$144.80	BYCS1025E1GGA	\$460.45
3"				BYCS1030E1LGA	\$164.60	BYCS1030E1GGA	\$469.70
4"				BYCS1040E1LGA	\$180.50	BYCS1040E1GGA	\$485.60
5"				BYCS1050E1LGA	\$252.15	BYCS1050E1GGA	\$557.25
6"				BYCS1060E1LGA	\$277.40	BYCS1060E1GGA	\$582.45
8"				BYCS1080E1LGA	\$484.35	BYCS1080E1GGA	\$789.40



## PURE-BLU™ BYCN SERIES BUTTERFLY VALVES

- NSF/ANSI 61 Listed.
- Valves feature 316 Stainless Steel Shafts.
- Available with blue lever handle or gear operated.



SIZE	DESCRIPTION			LEVER		GEAR	
	BODY	DISC	LINER	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	PVC	PVC	EPDM	BYCN1020E1LGB	\$154.95	BYCN1020E1GGB	\$481.30
2-1/2"				BYCN1025E1LGB	\$154.95	BYCN1025E1GGB	\$492.60
3"				BYCN1030E1LGB	\$176.15	BYCN1030E1GGB	\$502.55
4"				BYCN1040E1LGB	\$193.20	BYCN1040E1GGB	\$519.60
5"				BYCN1050E1LGB	\$269.85	BYCN1050E1GGB	\$596.25
6"				BYCN1060E1LGB	\$296.80	BYCN1060E1GGB	\$623.25
8"				BYCN1080E1LGB	\$518.25	BYCN1080E1GGB	\$844.70



# TBB SERIES TRUE UNION BALL VALVES

All TBB Series True Union Ball Valves have PTFE seats and are cost effective, yet rugged enough to stand up to the most demanding applications.

## PVC FPM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	48	TBB1005CPFG	\$60.80	2"	Skt/Thd	12	TBB1020CPFG	\$169.15
	Flanged	48	TBB1005FPFG	\$102.15		Flanged	12	TBB1020FPFG	\$284.20
3/4"	Skt/Thd	36	TBB1007CPFG	\$68.40	2-1/2"	Socket	12	TBB1025SPFG	\$337.90
	Flanged	36	TBB1007FPFG	\$114.95		Threaded	12	TBB1025TPFG	\$337.90
1"	Skt/Thd	24	TBB1010CPFG	\$79.75		Flanged	12	TBB1025FPFG	\$567.65
	Flanged	24	TBB1010FPFG	\$134.05	3"	Socket	6	TBB1030SPFG	\$419.60
1-1/4"	Skt/Thd	24	TBB1012CPFG	\$115.95		Threaded	6	TBB1030TPFG	\$419.60
	Flanged	24	TBB1012FPFG	\$194.70	Flanged	6	TBB1030FPFG	\$705.00	
1-1/2"	Skt/Thd	24	TBB1015CPFG	\$127.40	4"	Socket	1	TBB1040SPFG	\$840.90
	Flanged	24	TBB1015FPFG	\$213.85		Threaded	1	TBB1040TPFG	\$840.90
						Flanged	1	TBB1040FPFG	\$1,412.60

## PVC EPDM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	48	TBB1005CPEG	\$51.35	2"	Skt/Thd	12	TBB1020CPEG	\$157.80
	Flanged	48	TBB1005FPEG	\$82.20		Flanged	12	TBB1020FPEG	\$252.35
3/4"	Skt/Thd	36	TBB1007CPEG	\$57.00	2-1/2"	Socket	12	TBB1025SPEG	\$296.30
	Flanged	36	TBB1007FPEG	\$91.15		Threaded	12	TBB1025TPEG	\$296.30
1"	Skt/Thd	24	TBB1010CPEG	\$68.40		Flanged	12	TBB1025FPEG	\$473.90
	Flanged	24	TBB1010FPEG	\$109.50	3"	Socket	6	TBB1030SPEG	\$359.00
1-1/4"	Skt/Thd	24	TBB1012CPEG	\$98.85		Threaded	6	TBB1030TPEG	\$359.00
	Flanged	24	TBB1012FPEG	\$158.05	Flanged	6	TBB1030FPEG	\$574.20	
1-1/2"	Skt/Thd	24	TBB1015CPEG	\$115.95	4"	Socket	1	TBB1040SPEG	\$632.10
	Flanged	24	TBB1015FPEG	\$185.35		Threaded	1	TBB1040TPEG	\$632.10
						Flanged	1	TBB1040FPEG	\$1,011.35

## CPVC FPM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	48	TBB2005CPFG	\$87.45	2"	Skt/Thd	12	TBB2020CPFG	\$296.10
	Flanged	48	TBB2005FPFG	\$151.20		Flanged	12	TBB2020FPFG	\$512.15
3/4"	Skt/Thd	36	TBB2007CPFG	\$105.55	2-1/2"	Socket	12	TBB2025SPFG	\$626.60
	Flanged	36	TBB2007FPFG	\$182.55		Threaded	12	TBB2025TPFG	\$626.60
1"	Skt/Thd	24	TBB2010CPFG	\$133.95		Flanged	12	TBB2025FPFG	\$1,084.00
	Flanged	24	TBB2010FPFG	\$231.60	3"	Socket	6	TBB2030SPFG	\$863.70
1-1/4"	Skt/Thd	24	TBB2012CPFG	\$194.60		Threaded	6	TBB2030TPFG	\$863.70
	Flanged	24	TBB2012FPFG	\$336.60	Flanged	6	TBB2030FPFG	\$1,494.05	
1-1/2"	Skt/Thd	24	TBB2015CPFG	\$219.00	4"	Socket	1	TBB2040SPFG	\$1,457.65
	Flanged	24	TBB2015FPFG	\$378.95		Threaded	1	TBB2040TPFG	\$1,457.65
						Flanged	1	TBB2040FPFG	\$2,521.55

COMMERCIAL VALVES



## TBB SERIES TRUE UNION BALL VALVES (cont.)

All TBB Series True Union Ball Valves have PTFE seats and are cost effective, yet rugged enough to stand up to the most demanding applications.

### CPVC EPDM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	48	TBB2005CPEG	\$73.05	2"	Skt/Thd	12	TBB2020CPEG	\$245.55
	Flanged	48	TBB2005FPEG	\$121.30		Flanged	12	TBB2020FPEG	\$407.60
3/4"	Skt/Thd	36	TBB2007CPEG	\$87.45	2-1/2"	Socket	12	TBB2025SPEG	\$523.15
	Flanged	36	TBB2007FPEG	\$145.05		Threaded	12	TBB2025TPEG	\$523.15
1"	Skt/Thd	24	TBB2010CPEG	\$109.70		Flanged	12	TBB2025FPEG	\$868.15
	Flanged	24	TBB2010FPEG	\$181.90	3"	Socket	6	TBB2030SPEG	\$721.85
1-1/4"	Skt/Thd	24	TBB2012CPEG	\$162.25		Threaded	6	TBB2030TPEG	\$721.85
	Flanged	24	TBB2012FPEG	\$269.25	Flanged	6	TBB2030FPEG	\$1,198.05	
1-1/2"	Skt/Thd	24	TBB2015CPEG	\$182.65	4"	Socket	1	TBB2040SPEG	\$1,216.40
	Flanged	24	TBB2015FPEG	\$303.05		Threaded	1	TBB2040TPEG	\$1,216.40
						Flanged	1	TBB2040FPEG	\$2,019.15

### PP FPM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Threaded	48	TBB3005TPFG	\$85.45	1-1/2"	Threaded	24	TBB3015TPFG	\$199.05
	Flanged	48	TBB3005FPFG	\$145.20		Flanged	24	TBB3015FPFG	\$338.25
3/4"	Threaded	36	TBB3007TPFG	\$100.25	2"	Threaded	12	TBB3020TPFG	\$267.45
	Flanged	36	TBB3007FPFG	\$170.30		Flanged	12	TBB3020FPFG	\$454.40
1"	Threaded	24	TBB3010TPFG	\$122.85	2-1/2"	Threaded	12	TBB3025TPFG	\$553.70
	Flanged	24	TBB3010FPFG	\$208.70		Flanged	12	TBB3025FPFG	\$941.25
1-1/4"	Threaded	24	TBB3012TPFG	\$178.45	3"	Threaded	6	TBB3030TPFG	\$735.40
	Flanged	24	TBB3012FPFG	\$303.55		Flanged	6	TBB3030FPFG	\$1,250.40
					4"	Threaded	1	TBB3040TPFG	\$1,320.80
						Flanged	1	TBB3040FPFG	\$2,245.25

### PP EPDM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Threaded	48	TBB3005TPEG	\$71.75	1-1/2"	Threaded	24	TBB3015TPEG	\$171.80
	Flanged	48	TBB3005FPEG	\$119.00		Flanged	24	TBB3015FPEG	\$285.20
3/4"	Threaded	36	TBB3007TPEG	\$83.15	2"	Threaded	12	TBB3020TPEG	\$232.25
	Flanged	36	TBB3007FPEG	\$137.90		Flanged	12	TBB3020FPEG	\$385.30
1"	Threaded	24	TBB3010TPEG	\$102.45	2-1/2"	Threaded	12	TBB3025TPEG	\$470.70
	Flanged	24	TBB3010FPEG	\$170.00		Flanged	12	TBB3025FPEG	\$781.20
1-1/4"	Threaded	24	TBB3012TPEG	\$150.25	3"	Threaded	6	TBB3030TPEG	\$619.65
	Flanged	24	TBB3012FPEG	\$249.15		Flanged	6	TBB3030FPEG	\$1,028.45
					4"	Threaded	1	TBB3040TPEG	\$1,060.50
						Flanged	1	TBB3040FPEG	\$1,760.35





## TBB SERIES TRUE UNION BALL VALVES (cont.)

All TBB Series True Union Ball Valves have PTFE seats and are cost effective, yet rugged enough to stand up to the most demanding industrial & commercial applications.

### PVDF FPM O-RINGS

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Threaded	48	TBB5005TPFW	\$298.30	1-1/2"	Threaded	24	TBB5015TPFW	\$1,113.90
	Flanged	48	TBB5005FPFW	\$605.55		Flanged	24	TBB5015FPFW	\$1,882.65
3/4"	Threaded	36	TBB5007TPFW	\$389.10	2"	Threaded	12	TBB5020TPFW	\$1,568.90
	Flanged	36	TBB5007FPFW	\$872.30		Flanged	12	TBB5020FPFW	\$2,510.25
1"	Threaded	24	TBB5010TPFW	\$494.35	2-1/2"	Threaded	12	TBB5025TPFW	\$2,141.50
	Flanged	24	TBB5010FPFW	\$988.50		Flanged	12	TBB5025FPFW	\$4,235.85
1-1/4"	Threaded	24	TBB5012TPFW	\$651.25	3"	Threaded	6	TBB5030TPFW	\$2,902.40
	Flanged	24	TBB5012FPFW	\$1,363.45		Flanged	6	TBB5030FPFW	\$4,519.30
					4"	Threaded	1	TBB5040TPFW	\$3,393.35
						Flanged	1	TBB5040FPFW	\$5,961.50



## QVC SERIES COMPACT BALL VALVES

All QVC Series Compact Ball Valves have EPDM o-rings and Santoprene (TPV) seats. **Order quantity by bag only.**

### PVC GRAY

SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./ QTY.	PART NO.	LIST PRICE
1/2"	Socket	10	QVC1005SSEG	\$3.80	1-1/2"	Socket	5	QVC1015SSEG	\$13.35
	Threaded	10	QVC1005TSEG	\$3.80		Threaded	5	QVC1015TSEG	\$13.35
3/4"	Socket	10	QVC1007SSEG	\$5.10	2"	Socket	5	QVC1020SSEG	\$19.60
	Threaded	10	QVC1007TSEG	\$5.10		Threaded	5	QVC1020TSEG	\$19.60
1"	Socket	10	QVC1010SSEG	\$7.90	2-1/2"	Socket	12*	QVC1025SSEG	\$65.20
	Threaded	10	QVC1010TSEG	\$7.90		Threaded	12*	QVC1025TSEG	\$65.20
1-1/4"	Socket	10	QVC1012SSEG	\$10.80	3"	Socket	8*	QVC1030SSEG	\$104.15
	Threaded	10	QVC1012TSEG	\$10.80		Threaded	8*	QVC1030TSEG	\$104.15
					4"	Socket	6*	QVC1040SSEG	\$188.50
						Threaded	6*	QVC1040TSEG	\$188.50

\* 2-1/2" and up are Carton Quantities.



## QVC SERIES COMPACT BALL VALVES (cont.)

All QVC Series Compact Ball Valves have EPDM o-rings and Santoprene (TPV) seats. **Order quantity by bag only.**

### PVC WHITE

SIZE	END CONN.	CTN./QTY.	PART NO.	LIST PRICE	SIZE	END CONN.	CTN./QTY.	PART NO.	LIST PRICE
1/2"	Socket	10	QVC1005SSEW	<b>\$3.80</b>	1-1/2"	Socket	5	QVC1015SSEW	<b>\$13.35</b>
	Threaded	10	QVC1005TSEW	<b>\$3.80</b>		Threaded	5	QVC1015TSEW	<b>\$13.35</b>
3/4"	Socket	10	QVC1007SSEW	<b>\$5.10</b>	2"	Socket	5	QVC1020SSEW	<b>\$19.60</b>
	Threaded	10	QVC1007TSEW	<b>\$5.10</b>		Threaded	5	QVC1020TSEW	<b>\$19.60</b>
1"	Socket	10	QVC1010SSEW	<b>\$7.90</b>	2-1/2"	Socket	12*	QVC1025SSEW	<b>\$65.20</b>
	Threaded	10	QVC1010TSEW	<b>\$7.90</b>		Threaded	12*	QVC1025TSEW	<b>\$65.20</b>
1-1/4"	Socket	10	QVC1012SSEW	<b>\$10.80</b>	3"	Socket	8*	QVC1030SSEW	<b>\$104.15</b>
	Threaded	10	QVC1012TSEW	<b>\$10.80</b>		Threaded	8*	QVC1030TSEW	<b>\$104.15</b>
					4"	Socket	6*	QVC1040SSEW	<b>\$188.50</b>
						Threaded	6*	QVC1040TSEW	<b>\$188.50</b>

\* 2-1/2" and up are Carton Quantities.



## QTA SERIES TRUE UNION COMPACT BALL VALVES

All QTA Series True Union Compact Ball Valves have EPDM o-rings and Santoprene (TPV) seats.

### PVC GRAY

SIZE	MATERIAL	CTN./QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	200	QTA1005CSEG	<b>\$11.20</b>
3/4"	Skt/Thd	160	QTA1007CSEG	<b>\$15.35</b>
1"	Skt/Thd	96	QTA1010CSEG	<b>\$23.80</b>
1-1/4"	Skt/Thd	72	QTA1012CSEG	<b>\$33.30</b>
1-1/2"	Skt/Thd	45	QTA1015CSEG	<b>\$42.10</b>
2"	Skt/Thd	36	QTA1020CSEG	<b>\$62.35</b>

### PVC WHITE

SIZE	MATERIAL	CTN./QTY.	PART NO.	LIST PRICE
1/2"	Skt/Thd	200	QTA1005CSEW	<b>\$11.20</b>
3/4"	Skt/Thd	160	QTA1007CSEW	<b>\$15.35</b>
1"	Skt/Thd	96	QTA1010CSEW	<b>\$23.80</b>
1-1/4"	Skt/Thd	72	QTA1012CSEW	<b>\$33.30</b>
1-1/2"	Skt/Thd	45	QTA1015CSEW	<b>\$42.10</b>
2"	Skt/Thd	36	QTA1020CSEW	<b>\$62.35</b>

# TB SERIES TRUE UNION BALL VALVE PARTS\*

## PVC

SIZE	ASSEMBLY NUT		END CONNECTION				SEAL RETAINER	
			Socket or Threaded**		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TUX1052	\$12.35	TUX100254S/T	\$12.35	N/A	-	SRX15	\$6.65
3/8"	TUX1052	\$12.35	TUX100374S/T	\$12.35	N/A	-	SRX15	\$6.65
1/2"	TUX1052	\$12.35	ECX15S/ECX15T	\$12.35	TUX100504F	\$62.30	SRX15	\$6.65
3/4"	TBX10752	\$14.35	ECX17S/ECX17T	\$13.85	N/A	-	SRX17	\$7.90
1"	TBX11002	\$14.35	ECX11S/ECX11T	\$15.95	TUX101004F	\$96.50	SRX11	\$7.90
1-1/4"	TBX11502	\$20.40	ECX112S/ECX112T	\$23.75	TUX101254F	\$96.50	SRX115	\$12.45
1-1/2"	TBX11502	\$20.40	ECX115S/ECX115T	\$25.70	TUX101504F	\$104.90	SRX115	\$12.45
2"	TBX122	\$25.70	ECX12S/ECX12T	\$33.50	TUX102004F	\$155.60	SRX12002	\$14.70
3"	TBX132	\$59.15	ECX13S/ECX13T	\$75.40	TUX103004F	\$224.45	SRX13	\$45.35
4"	TBX142	\$53.25	ECX14S/ECX14T	\$79.90	TUX104004F	\$446.70	SRX14	\$102.45

SIZE	BALL, STEM & HANDLE KIT		HANDLE		PTFE SEAT & FPM SEAL REPAIR KIT***	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	TBX1050PAK	\$22.50	HLX23	\$15.55	TBX050PAK	\$24.15
3/8"	TBX1050PAK	\$22.50	HLX23	\$15.55	TBX050PAK	\$24.15
1/2"	TBX1050PAK	\$22.50	HLX23	\$15.55	TBX050PAK	\$24.15
3/4"	TBX1075PAK	\$23.75	HLX23	\$15.55	TBX075PAK	\$28.15
1"	TBX1100PAK	\$30.70	HLX24	\$18.45	TBX100PAK	\$33.50
1-1/4"	TBX1150PAK	\$37.45	HLX22	\$18.45	TBX150PAK	\$45.35
1-1/2"	TBX1150PAK	\$37.45	HLX22	\$18.45	TBX150PAK	\$45.35
2"	TBX1200PAK	\$55.25	HLX22	\$18.45	TBX200PAK	\$61.15
3"	TBX1300PAK	\$159.45	TBX138	\$31.60	TBX300PAK	\$101.85
4"	TBX1400PAK	\$218.65	TBX148	\$31.60	TBX400PAK	\$217.10

\* Metric part numbers available, consult factory.  
 \*\* S suffix for Socket; T suffix for Threaded.  
 \*\*\* To order EPDM kits, add E to the end of the part number.

## CPVC

SIZE	ASSEMBLY NUT		END CONNECTION				SEAL RETAINER	
			Socket or Threaded*		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	\$12.85	ECX95S/ECX95T	\$18.45	N/A	-	SRX95	\$9.95
3/4"	TUX90752	\$15.10	ECX97S/ECX97T	\$20.95	N/A	-	SRX97	\$11.90
1"	TBX91002	\$15.10	ECX91S/ECX91T	\$23.75	TUX901004F	\$126.40	SRX91	\$11.90
1-1/4"	TBX91502	\$30.40	ECX912S/ECX912T	\$38.10	TUX901254F	\$145.65	SRX915	\$18.90
1-1/2"	TBX91502	\$30.40	ECX915S/ECX915T	\$38.10	TUX901504F	\$171.30	SRX915	\$18.90
2"	TBX922	\$38.10	ECX92S/ECX92T	\$49.80	TUX902004F	\$222.50	SRX92002	\$22.05
3"	TBX932	\$86.55	ECX93S/ECX93T	\$122.10	TUX903004F	\$341.10	SRX93	\$68.25
4"	TBX942	\$78.00	ECX94S/ECX94T	\$194.35	TUX904004F	\$682.15	SRX94	\$156.25

SIZE	BALL, STEM & HANDLE KIT**		HANDLE		PTFE SEAT & FPM SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX2050PAK	\$33.50	HLX23	\$15.55	TBX050PAK	\$24.15
3/4"	TBX2075PAK	\$35.50	HLX23	\$15.55	TBX075PAK	\$28.15
1"	TBX2100PAK	\$45.35	HLX24	\$18.45	TBX100PAK	\$33.50
1-1/4"	TBX2150PAK	\$57.20	HLX22	\$18.45	TBX150PAK	\$45.35
1-1/2"	TBX2150PAK	\$57.20	HLX22	\$18.45	TBX150PAK	\$45.35
2"	TBX2200PAK	\$82.65	HLX22	\$18.45	TBX200PAK	\$61.15
3"	TBX2300PAK	\$240.10	TBX138	\$31.60	TBX300PAK	\$101.85
4"	TBX2400PAK	\$326.75	TBX148	\$31.60	TBX400PAK	\$217.10

\* S suffix for Socket; T suffix for Threaded.  
 \*\* To order EPDM kits add the letter "E" to the end of the part number.

# TB SERIES TRUE UNION BALL VALVE PARTS (cont.)

## PP

SIZE	ASSEMBLY NUT		END CONNECTION		SEAL RETAINER		BALL, STEM & HANDLE KIT*		HANDLE		TFE SEAT & FPM SEAL REPAIR KIT*	
			Threaded									
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX300502	\$11.15	ECX35T	\$15.95	SRX35	\$8.40	TBX30050PAK	\$29.15	HLX9	\$15.55	TBX0050PAK	\$24.15
3/4"	TUX3052	\$13.25	ECX37T	\$18.30	SRX37	\$10.30	TBX30075PAK	\$31.25	HLX9	\$15.55	TBX0075PAK	\$28.15
1"	TUX301002	\$13.25	ECX31T	\$20.75	SRX31	\$10.30	TBX30100PAK	\$40.00	HLX15	\$18.45	TBX0100PAK	\$33.50
1-1/2"	TUX401502	\$26.40	ECX415T	\$33.00	SRX415	\$16.10	TBX40150PAK	\$49.15	HLX15	\$18.45	TBX0150PAK	\$45.35
2"	TBX402002	\$32.90	ECX42T	\$43.15	SRX42	\$19.15	TBX40200PAK	\$72.90	HLX16	\$18.45	TBX0200PAK	\$61.15

\* To order EPDM kits add the letter "E" to the end of the part number.

# TW SERIES THREE-WAY TRUE UNION BALL VALVE PARTS

## PVC

SIZE	ASSEMBLY NUT		END CONNECTION						BALL, STEM & HANDLE KIT**	
			Socket		Threaded		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX1052	\$12.35	ECX15S	\$12.35	ECX15T	\$12.35	TUX100504F	\$62.30	TWX15PAK	\$60.85
3/4"	TBX10752	\$14.35	ECX17S	\$13.85	ECX17T	\$13.85	TUX100754F	\$101.20	TWX17PAK	\$66.15
1"	TBX11002	\$14.35	ECX11S	\$15.95	ECX11T	\$15.95	TUX101004F	\$96.50	TWX11PAK	\$77.85
1-1/4"	TBX122	\$25.70	SBX1EC12S	\$37.05	SBX1EC12T	\$37.05	TUX101254F	\$96.50	TWX12PAK	\$88.45
1-1/2"	TBX122	\$25.70	SBX1EC15S	\$30.85	SBX1EC15T	\$30.85	TUX101504F	\$104.90	TWX12PAK	\$88.45
2"	TBX122	\$25.70	ECX12S	\$33.50	ECX12T	\$33.50	TUX102004F	\$155.60	TWX12PAK	\$88.45
2-1/2"	TBX132	\$59.15	ECX125S	\$77.30	ECX125T	\$77.30	TUX102504F	\$160.15	TWX13PAK	\$250.20
3"	TBX132	\$59.15	ECX13S	\$75.40	ECX13T	\$75.40	TUX103004F	\$224.45	TWX13PAK	\$250.20
4"	TBX142	\$53.25	ECX14S	\$79.90	ECX14T	\$79.90	TUX104004F	\$446.70	TWX14PAK	\$318.10
	BSX142*	\$77.30	ECX14SBS*	\$117.80	ECX14TBS*	\$117.80	LAX144F	\$446.70		
6"							TUX106004F	\$505.70	TWX14PAK	\$318.10
							LAX164F	\$505.70		

SIZE	HANDLE		TN OR NT STYLE BALL ONLY		TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	HLX23	\$15.55	NTX100503B	\$69.00	LAX5PAK	\$16.20	LAX5PAKE	\$12.40
3/4"	HLX23	\$15.55	NTX100753B	\$92.95	LAX7PAK	\$16.75	LAX7PAKE	\$12.85
1"	TWX1HL1	\$18.45	NTX101003B	\$144.70	LAX1PAK	\$16.75	LAX1PAKE	\$13.50
1-1/4"	TWX1HL2M	\$18.45	NTX102003B	\$214.70	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
1-1/2"	TWX1HL2M	\$18.45	NTX102003B	\$214.70	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2"	TWX1HL2M	\$18.45	NTX102003B	\$214.70	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2-1/2"	LAX1HL3	\$55.35	NTX103003B	\$291.60	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
3"	LAX1HL3	\$55.35	NTX103003B	\$291.60	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
4"	LAX1HL4	\$60.85	NTX104003B	\$651.90	LAX4PAK	\$112.60	LAX4PAKE	\$73.65
6"	LAX1HL4	\$60.85	NTX104003B	\$651.90	LAX4PAK	\$112.60	LAX4PAKE	\$73.65

\* Required for 3rd port.

\*\* Includes o-ring for duplex lateral valve repair.

# TW SERIES THREE-WAY TRUE UNION BALL VALVE PARTS (cont.)

## CPVC

SIZE	ASSEMBLY NUT		END CONNECTION						BALL, STEM & HANDLE KIT**	
			Socket		Threaded		Flanged with Assembly Nut			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	\$12.85	ECX95S	\$18.45	ECX95T	\$18.45	TUX900504F	\$101.20	TWX25PAK	\$41.20
3/4"	TBX90752	\$15.10	ECX97S	\$20.95	ECX97T	\$20.95	TUX900754F	\$101.20	TWX27PAK	\$43.50
1"	TBX91002	\$15.10	ECX91S	\$23.75	ECX91T	\$23.75	TUX901004F	\$126.40	TWX21PAK	\$67.75
1-1/4"	TBX922	\$38.10	SBX9EC12S	\$59.70	SBX9EC12T	\$104.65	TUX901254F	\$145.65	TWX22PAK	\$228.50
1-1/2"	TBX922	\$38.10	SBX9EC15S	\$59.70	SBX9EC15T	\$104.65	TUX901504F	\$171.30	TWX22PAK	\$228.50
2"	TBX922	\$38.10	ECX92S	\$49.80	ECX92T	\$49.80	TUX902004F	\$222.50	TWX22PAK	\$228.50
2-1/2"	BVX903002	\$69.95	ECX925S	\$106.50	ECX925T	\$106.50	TUX902504F	\$252.00	TWX23PAK	\$352.25
3"	BVX903002	\$69.95	ECX93S	\$122.10	ECX93T	\$122.10	TUX903004F	\$341.10	TWX23PAK	\$352.25
4"	TBX942	\$78.00	ECX94S	\$194.35	ECX94T	\$194.35	TUX904004F	\$682.15	TWX24PAK	\$812.65
	BSX942*	\$97.35	ECX94SBS*	\$129.35	ECX94TBS*	\$129.35	LAX944F	\$682.15		
6"							TUX906004F	\$775.85	TWX24PAK	\$812.65
							LAX964F	\$775.85		

SIZE	HANDLE		TN OR NT STYLE BALL ONLY		TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	HLX23	\$15.55	NTX900503B	\$103.10	LAX5PAK	\$16.20	LAX5PAKE	\$12.40
3/4"	HLX23	\$15.55	NTX900753B	\$138.90	LAX7PAK	\$16.75	LAX7PAKE	\$12.85
1"	TWX1HL1	\$18.45	NTX901003B	\$216.50	LAX1PAK	\$16.75	LAX1PAKE	\$13.50
1-1/4"	TWX1HL2M	\$18.45	NTX902003B	\$322.75	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
1-1/2"	TWX1HL2M	\$18.45	NTX902003B	\$322.75	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2"	TWX1HL2M	\$18.45	NTX902003B	\$322.75	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2-1/2"	LAX1HL3	\$55.35	NTX903003B	\$436.95	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
3"	LAX1HL3	\$55.35	NTX903003B	\$436.95	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
4"	LAX1HL4	\$60.85	NTX904003B	\$978.15	LAX4PAK	\$112.60	LAX4PAKE	\$73.65
6"	LAX1HL4	\$60.85	NTX904003B	\$978.15	LAX4PAK	\$112.60	LAX4PAKE	\$73.65

\* Required for 3rd port.

\*\* Includes o-ring for duplex lateral valve repair.

# LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVE PARTS

## PVC

SIZE	ASSEMBLY NUT		FRONT ASSEMBLY NUT		END CONNECTION					
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	Socket		Threaded		Flanged with Assembly Nut	
					PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX10752	\$14.35			ECX15S	\$12.35	ECX15T	\$12.35	TUX100504F	\$62.30
3/4"	TBX10752	\$14.35			ECX17S	\$13.85	ECX17T	\$13.85	TUX100754F	\$101.20
1"	TBX11002	\$14.35			ECX11S	\$15.95	ECX11T	\$15.95	TUX101004F	\$96.50
1-1/4"	TBX122	\$25.70			SBX1EC12S	\$37.05	SBX1EC12T	\$37.05	TUX101254F	\$96.50
1-1/2"	TBX122	\$25.70			SBX1EC15S	\$30.85	SBX1EC15T	\$30.85	TUX101504F	\$104.90
2"	TBX122	\$25.70			ECX12S	\$33.50	ECX12T	\$33.50	TUX102004F	\$155.60
2-1/2"	BVX10300V	\$45.15			ECX125S	\$77.30	ECX125T	\$77.30	TUX102504F	\$160.15
3"	TBX142	\$53.25			ECX13S	\$75.40	ECX13T	\$75.40	TUX103004F	\$224.45
4"	TBX142	\$53.25			ECX14S	\$79.90	ECX14T	\$79.90	TUX104004F	\$446.70
					ECX14SBS*	\$117.80	ECX14TBS*	\$117.80	LAX144F	\$446.70
6"			BSX142*	\$75.85					TUX106004F	\$505.70
									LAX164F	\$505.70

SIZE	BALL, STEM & HANDLE KIT**		HANDLE		STANDARD 180° BALL		STANDARD 90° BALL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX15PAK	\$94.00	HLX23	\$15.55	LAX1BL5	\$75.85	N/A	-
3/4"	LAX17PAK	\$110.40	HLX23	\$15.55	LAX1BL7	\$92.95	N/A	-
1"	LAX11PAK	\$127.90	HLX24	\$18.45	LAX1BL1	\$94.80	LAX1TN1	\$94.80
1-1/4"	LAX12PAK	\$140.80	HLX22	\$18.45	LAX1BL2	\$99.25	LAX1TN2	\$99.25
1-1/2"	LAX12PAK	\$140.80	HLX23	\$15.55	LAX1BL2	\$99.25	LAX1TN2	\$99.25
2"	LAX12PAK	\$140.80	LAX1HL2	\$18.45	LAX1BL2	\$99.25	LAX1TN2	\$99.25
2-1/2"	LAX13PAK	\$214.35	LAX1HL3	\$55.35	LAX1BL3	\$116.00	LAX1TN3	\$116.00
3"	LAX13PAK	\$214.35	LAX1HL3	\$55.35	LAX1BL3	\$116.00	LAX1TN3	\$116.00
4"	LAX14PAK	\$421.30	LAX1HL4	\$60.85	LAX1BL4	\$253.85	LAX1TN4	\$253.85
6"	LAX14PAK	\$421.30	LAX1HL4	\$60.85	LAX1BL4	\$253.85	LAX1TN4	\$253.85

SIZE	TFE SEAT & FPM SEAL REPAIR KIT***		TFE SEAT & EPDM SEAL REPAIR KIT***	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX5PAK	\$16.20	LAX5PAKE	\$12.40
3/4"	LAX7PAK	\$16.75	LAX7PAKE	\$12.85
1"	LAX1PAK	\$16.75	LAX1PAKE	\$13.50
1-1/4"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
1-1/2"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2-1/2"	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
3"	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
4"	LAX4PAK	\$112.60	LAX4PAKE	\$73.65
6"	LAX4PAK	\$112.60	LAX4PAKE	\$73.65

\* Required for 3rd port.

\*\* Includes o-ring for duplex lateral valve repair.



# LA SERIES LATERAL THREE-WAY TRUE UNION BALL VALVE PARTS (cont.)

## CPVC

SIZE	ASSEMBLY NUT		FRONT ASSEMBLY NUT		END CONNECTION					
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	Socket		Threaded		Flanged with Assembly Nut	
					PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TUX9052	\$12.85			ECX95S	\$18.45	ECX95T	\$18.45	TUX900504F	\$101.20
3/4"	TBX90752	\$15.10			ECX97S	\$20.95	ECX97T	\$20.95	TUX900754F	\$101.20
1"	TBX91002	\$15.10			ECX91S	\$23.75	ECX91T	\$23.75	TUX901004F	\$126.40
1-1/4"	TBX922	\$38.10			SBX9EC12S	\$59.70	SBX9EC12T	\$104.65	TUX901254F	\$145.65
1-1/2"	TBX922	\$38.10			SBX9EC15S	\$59.70	SBX9EC15T	\$104.65	TUX901504F	\$171.30
2"	TBX922	\$38.10			ECX92S	\$49.80	ECX92T	\$49.80	TUX902004F	\$222.50
2-1/2"	BVX903002	\$69.95			ECX925S	\$106.50	ECX925T	\$106.50	TUX902504F	\$252.00
3"	BVX903002	\$69.95			ECX93S	\$122.10	ECX93T	\$122.10	TUX903004F	\$341.10
4"	TBX942	\$78.00			ECX94S	\$194.35	ECX94T	\$194.35	TUX904004F	\$682.15
					ECX94SBS*	\$129.35	ECX94TBS*	\$129.35	LAX944F	\$682.15
6"			BSX942*	\$97.35					TUX906004F	\$775.85
									LAX964F	\$775.85

SIZE	BALL, STEM & HANDLE KIT**		HANDLE		STANDARD 180° BALL		STANDARD 90° BALL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX25PAK	\$105.95	HLX23	\$15.55	LAX9BL5	\$88.45	N/A	-
3/4"	LAX27PAK	\$115.00	HLX23	\$15.55	LAX9BL7	\$101.20	N/A	-
1"	LAX21PAK	\$86.50	HLX24	\$18.45	LAX9BL1	\$114.05	LAX9TN1	\$114.05
1-1/4"	LAX22PAK	\$157.60	HLX22	\$18.45	LAX9BL2	\$125.15	LAX9TN2	\$125.15
1-1/2"	LAX22PAK	\$157.60	HLX23	\$15.55	LAX9BL2	\$125.15	LAX9TN2	\$125.15
2"	LAX22PAK	\$157.60	LAX1HL2	\$18.45	LAX9BL2	\$125.15	LAX9TN2	\$125.15
2-1/2"	LAX23PAK	\$334.75	LAX1HL3	\$55.35	LAX9BL3	\$252.00	LAX9TN3	\$252.00
3"	LAX23PAK	\$334.75	LAX1HL3	\$55.35	LAX9BL3	\$252.00	LAX9TN3	\$252.00
4"	LAX24PAK	\$406.50	LAX1HL4	\$60.85	LAX9BL4	\$266.60	LAX9TN4	\$266.60
6"	LAX24PAK	\$406.50	LAX1HL4	\$60.85	LAX9BL4	\$266.60	LAX9TN4	\$266.60

SIZE	TFE SEAT & FPM SEAL REPAIR KIT**		TFE SEAT & EPDM SEAL REPAIR KIT**	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX5PAK	\$16.20	LAX5PAKE	\$12.40
3/4"	LAX7PAK	\$16.75	LAX7PAKE	\$12.85
1"	LAX1PAK	\$16.75	LAX1PAKE	\$13.50
1-1/4"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
1-1/2"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2"	LAX2PAK	\$24.00	LAX2PAKE	\$19.20
2-1/2"	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
3"	LAX3PAK	\$71.70	LAX3PAKE	\$43.50
4"	LAX4PAK	\$112.60	LAX4PAKE	\$73.65
6"	LAX4PAK	\$112.60	LAX4PAKE	\$73.65

\* Required for 3rd port.

\*\* Includes o-ring for duplex lateral valve repair.

# TC SERIES TRUE UNION BALL CHECK VALVE PARTS

If required part is not listed below, refer to the part list for True Union Ball Valves.

## PVC

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX100503	\$7.10	TCX0050PAK	\$21.45	TCX0050PAKE	\$17.25
3/4"	TCX100753	\$13.70	TCX0075PAK	\$26.40	TCX0075PAKE	\$20.85
1"	TCX101003	\$16.10	TCX0100PAK	\$29.05	TCX0100PAKE	\$23.30
1-1/4"	TCX101253	\$20.10	TCX0150PAK	\$42.50	TCX0150PAKE	\$34.00
1-1/2"	TCX101503	\$22.55	TCX0150PAK	\$42.50	TCX0150PAKE	\$34.00
2"	TCX102003	\$63.05	TCX0200PAK	\$55.00	TCX0200PAKE	\$44.20
2-1/2"	TCX103003	\$118.60	TCX300PAK	\$84.75	TCX300PAKE	\$67.65
3"	TCX103003	\$118.60	TCX300PAK	\$84.75	TCX300PAKE	\$67.65
4"	TCX104003	\$492.50	TCX400PAK	\$150.05	TCX400PAKE	\$119.75

## CPVC

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX200503	\$10.65	TCX0050PAK	\$21.45	TCX0050PAKE	\$17.25
3/4"	TCX200753	\$20.55	TCX0075PAK	\$26.40	TCX0075PAKE	\$20.85
1"	TCX201003	\$24.35	TCX0100PAK	\$29.05	TCX0100PAKE	\$23.30
1-1/4"	TCX201503	\$30.20	TCX0125PAK	\$34.85	TCX0150PAKE	\$28.00
1-1/2"	TCX201503	\$34.00	TCX0150PAK	\$42.50	TCX0150PAKE	\$34.00
2"	TCX202003	\$94.70	TCX0200PAK	\$55.00	TCX0200PAKE	\$44.20
3"	TCX903003	\$177.80	TCX300PAK	\$84.75	TCX300PAKE	\$67.65
4"	TCX204003	\$741.35	TCX400PAK	\$150.05	TCX400PAKE	\$119.75

## PP

SIZE	BALL		FPM SEAT & SEAL REPAIR KIT		EPDM SEAT & SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TCX400503	\$9.10	TCX0050PAK	\$21.45	TCX0050PAKE	\$17.25
3/4"	TCX400753	\$17.95	TCX0075PAK	\$26.40	TCX0075PAKE	\$20.85
1"	TCX401003	\$21.00	TCX0100PAK	\$29.05	TCX0100PAKE	\$23.30
1-1/2"	TCX401503	\$29.50	TCX0150PAK	\$42.50	TCX0150PAKE	\$34.00
2"	TCX402003	\$82.10	TCX0200PAK	\$55.00	TCX0200PAKE	\$44.20

# YC SERIES Y-CHECK VALVE PARTS

PVC

PARTS

SIZE	CAP		DISC		COIL		FPM SEAL REPAIR KIT	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	YCX1005013	\$21.65	YCX1005012	\$20.80	YCX1005014	\$8.80	YCX0050PK	\$5.65
3/4"	YCX1007513	\$26.85	YCX1007512	\$25.90	YCX1007514	\$11.95	YCX0075PK	\$5.65
1"	YCX1010013	\$34.60	YCX1010012	\$33.35	YCX1010014	\$15.05	YCX0100PK	\$7.60
1-1/4"	YCX1015013	\$43.30	YCX1015012	\$41.70	YCX1015014	\$17.15	YCX0150PK	\$10.05
1-1/2"	YCX1015013	\$43.30	YCX1015012	\$41.70	YCX1015014	\$17.15	YCX0150PK	\$10.05
2"	YCX1020013	\$58.35	YCX1020012	\$56.80	YCX1020014	\$83.30	YCX0200PK	\$20.55
3"	YCX1030013	\$111.55	YCX1030012	\$107.40	YCX1030014	\$117.25	YCX0300PK	\$36.55
4"	YCX1040013	\$151.40	YCX1040012	\$145.90	YCX1040014	\$146.40	YCX0400PK	\$76.00

\* For CPVC Consult Factory

# SLC SERIES SPRING-LOADED Y-CHECK VALVES

SIZE	SEAL KITS				SPRINGS	
	FPM		EPDM			
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1"	SLC1PAKV	\$30.35	SLC1PAKE	\$21.40	YRXSPR100	\$7.80
2"	SLC2PAKV	\$36.85	SLC2PAKE	\$26.75	YRXSPR200	\$20.25
3"	SLC3PAKV	\$45.20	SLC3PAKE	\$32.55	YRXSPR300	\$81.00
4"	SLC4PAKV	\$57.45	SLC4PAKE	\$41.00	YRXSPR400	\$137.95

# SW SERIES SWING CHECK VALVE PARTS

	3"		4"		6"		8"	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
FPM Seat O-Ring Kit	SW300PAKV	\$156.55	SW400PAKV	\$208.60	SW600PAKV	\$240.00	SW800PAKV	\$267.20
EPDM Seat O-Ring Kit	SW300PAKE	\$105.70	SW400PAKE	\$167.00	SW600PAKE	\$192.10	SW800PAKE	\$213.00
FPM Flange O-Ring Seal	ORX339V70	\$44.20	ORX347V70	\$44.20	ORX363V70	\$59.40	ORX371V70	\$59.40
EPDM Flange O-Ring Seal	ORX339E70	\$35.25	ORX347E70	\$35.25	ORX363E70	\$45.80	ORX371E70	\$45.80
FPM Clapper O-Ring Seal	SWXV36	\$79.30	SWXV46	\$83.50	SWXV66	\$89.70	SWXV86	\$94.10
EPDM Clapper O-Ring Seal	SWXE36	\$62.75	SWXE46	\$66.75	SWXE66	\$71.10	SWXE86	\$75.20
PVC Counterweight Kit	SW13CKIT	\$261.00	SW14CKIT	\$261.00	SW16CKIT	\$261.00	SW18CKIT	\$261.00
PP Counterweight Kit	SW43CKIT	\$261.00	SW44CKIT	\$261.00	SW46CKIT	\$417.40	SW48CKIT	\$521.55

\* For CPVC Consult Factory

# WCV SERIES CHECK VALVE PARTS

PVC

SIZE	DISC KITS (DISC, AXLE CAP, DISC O-RING & BODY O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV1203V	\$62.85	WCXV1203E	\$58.75
2-1/2"	WCXV1253V	\$65.95	WCXV1253E	\$61.80
3"	WCXV1303V	\$75.20	WCXV1303E	\$70.05
4"	WCXV1403V	\$94.80	WCXV1403E	\$89.65
6"	WCXV1603V	\$116.40	WCXV1603E	\$110.25
8"	WCXV1803V	\$145.25	WCXV1803E	\$137.00

# WCV SERIES CHECK VALVE PARTS (cont.)

## CPVC

SIZE	DISC KITS (DISC, AXLE CAP, DISC O-RING & BODY O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV9203V	\$77.25	WCXV9203E	\$73.15
2-1/2"	WCXV9253V	\$81.40	WCXV9253E	\$77.25
3"	WCXV9303V	\$92.70	WCXV9303E	\$87.55
4"	WCXV9403V	\$116.40	WCXV9403E	\$106.10
6"	WCXV9603V	\$144.20	WCXV9603E	\$128.75
8"	WCXV9803V	\$180.25	WCXV9803E	\$159.65

SIZE	SEAL KITS ((2) FACE O-RING)			
	FPM		EPDM	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV20SEALKITV	\$11.35	WCXV20SEALKITE	\$9.30
2-1/2"	WCXV25SEALKITV	\$13.40	WCXV25SEALKITE	\$11.35
3"	WCXV30SEALKITV	\$16.50	WCXV30SEALKITE	\$14.45
4"	WCXV40SEALKITV	\$21.65	WCXV40SEALKITE	\$18.55
6"	WCXV60SEALKITV	\$26.80	WCXV60SEALKITE	\$23.70
8"	WCXV80SEALKITV	\$43.30	WCXV80SEALKITE	\$39.15

SIZE	SPRINGS			
	STAINLESS STEEL		HASTELLOY	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	WCXV20SPRINGS	\$41.20	WCXV20SPRINGH	\$123.60
2-1/2"	WCXV25SPRINGS	\$46.35	WCXV25SPRINGH	\$139.05
3"	WCXV30SPRINGS	\$51.50	WCXV30SPRINGH	\$154.50
4"	WCXV40SPRINGS	\$56.65	WCXV40SPRINGH	\$169.95
6"	WCXV60SPRINGS	\$66.95	WCXV60SPRINGH	\$200.85
8"	WCXV80SPRINGS	\$77.25	WCXV80SPRINGH	\$231.75

# BYV SERIES BUTTERFLY VALVES PARTS

## HANDLE KIT, THROTTLE PLATE AND O-RING KITS

SIZE	HANDLE KIT		THROTTLE PLATE		FPM O-RING KITS		EPDM O-RING KITS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV3HLKIT	\$102.80	BYXVTP4	\$32.45	BYXV030ORKITV	\$20.60	BYXV030ORKITE	\$12.40
2-1/2"	BYXV3HLKIT	\$102.80	BYXVTP4	\$32.45	BYXV030ORKITV	\$20.60	BYXV030ORKITE	\$12.40
3"	BYXV3HLKIT	\$102.80	BYXVTP4	\$32.45	BYXV030ORKITV	\$20.60	BYXV030ORKITE	\$12.40
4"	BYXV4HLKIT	\$102.80	BYXVTP4	\$32.45	BYXV040ORKITV	\$23.85	BYXV040ORKITE	\$14.30
6"	BYXV6HLKIT	\$119.00	BYXVTP8	\$54.10	BYXV060ORKITV	\$28.15	BYXV060ORKITE	\$16.90
8"	BYXV8HLKIT	\$119.00	BYXVTP8	\$54.10	BYXV080ORKITV	\$33.55	BYXV080ORKITE	\$20.15
10"	NA	-	NA	-	BYXV100ORKITV	\$40.05	BYXV100ORKITE	\$24.05
12"	NA	-	NA	-	BYXV120ORKITV	\$47.65	BYXV120ORKITE	\$28.60

## DISC

SIZE	PVC DISC		GFPP DISC		CPVC DISC	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV10202	\$68.60	BYXV40202	\$82.35	BYXV20202	\$102.95
2-1/2"	BYXV10252	\$76.15	BYXV40252	\$91.35	BYXV20252	\$114.20
3"	BYXV10302	\$95.20	BYXV40302	\$114.20	BYXV20302	\$142.75
4"	BYXV10402	\$97.70	BYXV40402	\$117.20	BYXV20402	\$146.50
6"	BYXV10602	\$143.90	BYXV40602	\$172.65	BYXV20602	\$215.80
8"	BYXV10802	\$195.30	BYXV40802	\$234.35	BYXV20802	\$292.90
10"	BYXV11002	\$216.35	BYXV41002	\$270.40	BYXV21002	\$324.50
12"	BYXV11202	\$243.40	BYXV41202	\$324.50	BYXV21202	\$405.60

## LINER AND SEAL KITS

SIZE	EPDM LINER AND SEALS		VITON® LINER AND FPM SEALS		NITRILE LINER AND SEALS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
2"	BYXV020KITE	\$93.25	BYXV020KITV	\$323.45	BYXV020KITN	\$93.25
2-1/2"	BYXV025KITE	\$98.50	BYXV025KITV	\$351.55	BYXV025KITN	\$98.50
3"	BYXV030KITE	\$103.70	BYXV030KITV	\$384.00	BYXV030KITN	\$103.70
4"	BYXV040KITE	\$143.90	BYXV040KITV	\$459.70	BYXV040KITN	\$143.90
6"	BYXV060KITE	\$183.00	BYXV060KITV	\$622.30	BYXV060KITN	\$183.00
8"	BYXV080KITE	\$288.70	BYXV080KITV	\$1,032.10	BYXV080KITN	\$288.70
10"	BYXV100KITE	\$580.95	BYXV100KITV	\$1,708.70	BYXV100KITN	\$580.95
12"	BYXV120KITE	\$654.40	BYXV120KITV	\$2,238.95	BYXV120KITN	\$654.40

## GEARBOX\*

SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
2" - 3"	GBV3	\$539.65	8"	GBV8	\$593.65
4"	GBV4	\$539.65	10"	GBV10	\$629.20
6"	GBV6	\$539.65	12"	GBV12	\$629.20

## HANDWHEEL FOR GEAR

SIZE	PART NO.	LIST PRICE
2" - 4"	GRXHW4	\$53.60
6" - 8"	GRXHW8	\$59.00
10" - 12"	GRXHW12	\$64.40

\* Installation hardware included



# LHB SERIES MANUAL LIMIT SWITCH FOR TB & BYV SERIES

Price is for switch only; add the cost of the valve and any required options.

**LHB Series:** Manual limit switch fits all sizes of TB and BYV Series up to 8". The LHB meets ISO5211, is rated NEMA 4X and has an integral lockout. SPDT 10 amp @ 120VAC limit switches are included standard. Two additional limit switches can be added as well as a potentiometer, lever or T-handle option\* and LED for Open/Close indication.

## TB SERIES

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
1/2" - 2"	LHB1TB1S2	2 Limit Switches	\$307.20
1/2" - 2"	LHB1TB1S4	4 Limit Switches	\$296.60

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2-1/2" - 6"	LHB2TB3S2	2 Limit Switches	\$380.80
2-1/2" - 6"	LHB2TB3S4	4 Limit Switches	\$456.25

## BYV SERIES

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2" - 3"	LHB1BYV2S2	2 Limit Switches	\$316.45
4"	LHB1BYV4S2	2 Limit Switches	\$316.45
2" - 3"	LHB1BYV2S4	4 Limit Switches	\$394.50
4"	LHB1BYV4S4	4 Limit Switches	\$394.50

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
6"	LHB2BYV6S2	2 Limit Switches	\$392.25
8"	LHB2BYV8S2	2 Limit Switches	\$392.25
6"	LHB2BYV6S4	4 Limit Switches	\$469.95
8"	LHB2BYV8S4	4 Limit Switches	\$469.95

\* TB Limit Switch comes standard with T-Handle, lever handle optional, consult factory.

# LHB SERIES MANUAL LIMIT SWITCH WITH SPRING RETURN



## TB Series\*\*

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
1/2" - 2"	LHB1TB1S2SR	2 Limit Switches	\$404.80
1/2" - 2"	LHB1TB1S4SR	4 Limit Switches	\$504.55

## BYV Series

VALVE SIZE	PART NO.	DESCRIPTION	LIST PRICE
2" - 3"	LHB1BYV2S2SR	2 Limit Switches	\$404.80
2" - 3"	LHB1BYV2S4SR	4 Limit Switches	\$504.60

\* LHB-SR's available without limit switches upon request.

\*\* Handle operator standard.

**NOTE:** Valve not included. Order HC TB version, if required.

**NOTE:** LHB-SR's include mounting kit.





## SV SERIES TRUE UNION SOLENOID VALVES

SV Series solenoid valves are available in PVC or Corzan CPVC. Seals are FPM or EPDM. All sizes are offered with socket and threaded end connections. Standard voltage is 120 VAC. Specify optional voltage of 12 or 24 VAC/VDC or 220VAC.

PVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	SV10050STV	<b>\$354.65</b>
3/4"	Socket/Threaded	SV10075STV	<b>\$482.45</b>
1"	Socket/Threaded	SV10100STV	<b>\$527.75</b>

CPVC/FPM SEALS			
Size	End Conn.	Part No.	List Price
1/4"	Socket/Threaded	SV20025STV	<b>\$382.65</b>
1/2"	Socket/Threaded	SV20050STV	<b>\$382.65</b>
3/4"	Socket/Threaded	SV20075STV	<b>\$519.20</b>
1"	Socket/Threaded	SV20100STV	<b>\$560.90</b>

PVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/2"	Socket/Threaded	SV10050STE	<b>\$346.10</b>
3/4"	Socket/Threaded	SV10075STE	<b>\$470.25</b>
1"	Socket/Threaded	SV10100STE	<b>\$512.25</b>

CPVC/EPDM SEALS			
Size	End Conn.	Part No.	List Price
1/4"	Socket/Threaded	SV20025STE	<b>\$372.15</b>
1/2"	Socket/Threaded	SV20050STE	<b>\$372.15</b>
3/4"	Socket/Threaded	SV20075STE	<b>\$500.05</b>
1"	Socket/Threaded	SV20100STE	<b>\$545.30</b>

VOLTAGE OPTIONS*		
Option	Part No. Suffix	List Price
12VAC	12A/D	<b>\$134.05</b>
24VAC	24A/D	<b>\$134.05</b>
12VDC	12A/D	<b>\$134.05</b>
24VDC	24A/D	<b>\$134.05</b>
220VAC	220A	<b>OPT-NC</b>

\*Add list price of voltage option to list price of solenoid valve.

# ELECTRIC ACTUATORS – EAU & HZSN1 SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**EAU\* Series:** Low cost solution for light duty applications not requiring a manual override. Corrosion resistant plastic housing, and light weight.



**HZSN Series:** Compact, reversing, non-spring return actuator is ideal for limited space applications and smaller size ball valves. Standard 24VAC/VDC and 85-265VAC supply, manual override including lock-out function (lever operated), and open/close or proportional control. Lightweight, aluminum alloy electrostatic coated, NEMA 4X and Class B motor protection. LED Pwr/Open/Close indicators & 1 M wiring cable standard.

Model List Price	EAU28 \$362.70	EAU29 \$362.70	HZSN1A \$440.00	HZSN1B \$452.00	HZSN1C \$464.00
Torque In/lbs	29	29	89	177	266
<b>TB &amp; CV SERIES</b>					
1/2"		●	●		
3/4"		●	●		
1"		●	●	●	
1-1/4"		●		●	
1-1/2"		●		●	
2"		●		●	●
2-1/2" - 3"					●
4" - 6"					●
<b>TW &amp; LA SERIES***</b>					
1/2"	●		●		
3/4"	●		●		
1"	●		●	●	
1-1/4"	●			●	
1-1/2"	●			●	
2"	●			●	●
2-1/2" - 3"					●
4" - 6"					●

\*\*\* EAU28 applies to TW Series only.

<b>OPTIONS AND ACCESSORIES (OPTIONS AVAILABLE WHERE PRICE IS SHOWN) ADD TO PRICE OF ACTUATOR.</b>			
Option	Suffix No.	EAU List Price	HZSN1 List Price
Voltage 12VAC	12A	\$121.40	N/A
Voltage 12VDC	12D	\$147.25	N/A
Voltage 120VAC	120	STD	STD**
Voltage 220VAC	220V	\$121.40	STD**
Voltage 230VAC	230	N/A	STD**
Voltage 24VAC	24A	\$121.40	STD**
Voltage 24VDC	24D	\$147.25	STD**
Brake	K	STD	N/A
Auxiliary Limit Switch	S	STD	STD - TWO***
Proportional Control Kit	8****	N/A	\$480.00
316 Stainless Steel Tags	YSS2	\$37.65	\$37.65

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard on actuator.

\*EAU actuator for TW Series 3-Way Ball valves ONLY, choose another actuator for LA Series Lateral 3-Way Ball valves.

\*\* HZSN1 Series have auto-ranging power supply.... 85 - 265VAC or 24VAC/VDC.

\*\*\* HZSN1 Series Auxiliary switches share a switch common, and are NOT available when selecting Modulating Control.

\*\*\*\* See HRS Series mapping for location of "8" in part number.

# GLASS FILLED POLYPROPYLENE ELECTRIC ACTUATORS

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**ECP Series:** Compact actuator for all applications. Standard 120/230V and 12/24V, 4 auxiliary limit switches, heater, LED status, position indicator and manual override. GFPP thermoplastic housing. NEMA 4X (IP-67). Optional proportional control and battery fail safe kit.

Model List Price	ECP2-120-230 \$516.10	ECP3-120-230 \$521.30	ECP5-120-230 \$1,267.25	ECP8-120-230 \$1,455.55
Model List Price	ECP2-12-24D \$628.45	ECP3-12-24D \$633.65	ECP5-12-24D \$1,463.90	ECP8-12-24D \$1,653.25
Torque In/lbs/Nm	221/25	359/40	530/60	796/90
<b>TB SERIES</b>				
1/2"	•			
3/4"	•			
1"	•	•		
1-1/4"	•	•		
1-1/2"	•	•		
2"	•	•	•	•
2-1/2" - 3"	•	•	•	•
4" - 6"	•	•	•	•
<b>TW &amp; LA SERIES</b>				
1/2"	•			
3/4"	•			
1"	•	•		
1-1/4"	•	•	•	
1-1/2"	•	•	•	
2"	•	•	•	•
2-1/2" - 3"	•	•	•	•
4" - 6"	•	•	•	•
<b>BYV SERIES</b>				
2"	•			
3"		•		
4"			•	
6"				•

## ELECTRIC ACTUATORS – ECP SERIES OPTIONS & ACCESSORIES

Prices are for the option only; add the cost of the valve, actuator and any options together for the total list price.

OPTIONS AND ACCESSORIES ADD TO PRICE OF ACTUATOR.		
Option	Suffix No.	ECP2 - ECP8 List Price
Digital Positioner Kit 0-20mA, 4-20mA or 0-10V	PC	\$400.05
BSR Battery Fail Safe Kit	BB	\$469.10

# ELECTRIC ACTUATORS – HRSN SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**HRS Series:** Heavy duty quarter-turn actuator for all applications. Standard 120 VAC, 2 Auxiliary limit switches, heater and manual override. Electrostatically coated aluminum alloy housing, NEMA 4/4X/IP67. Extended duty motor standard with all proportional control and 24v options.

Model List Price	HRSN2A \$570.00	HRSN2R \$790.00	HRSN3A \$1,350.00	HRSN3B \$1,610.00	HRSN4A \$2,100.00	HRSN4B \$2,380.00	HRSN4C \$2,560.00	HRSN4D \$2,980.00	HRSN4E \$4,760.00	HRSN4F \$5,120.00	HRSN5A \$7,460.00
	HRSN2B* \$770.00	HRSN2S* \$990.00									
Torque In/lbs	310	440	880	1770	3570	5510	7080	8850	15040	20350	30975
<b>TB &amp; CV SERIES</b>											
1/2"	•	•	•								
3/4"	•	•	•								
1"	•	•	•								
1-1/4"	•	•	•								
1-1/2"	•	•	•								
2"	•	•	•								
2-1/2"	•	•	•								
3"	•	•	•								
4"	•	•	•								
6"	•	•	•								
<b>TW &amp; LA SERIES</b>											
1/2"	•	•	•								
3/4"	•	•	•								
1"	•	•	•								
1-1/4"	•	•	•								
1-1/2"	•	•	•								
2"	•	•	•								
2-1/2"	•	•	•								
3"	•	•	•								
4"	•	•	•								
6"	•	•	•								
<b>BYV SERIES</b>											
2"	•	•	•								
2-1/2"	•	•	•								
3"	•	•	•								
4"		•	•								
6"			•	•							
8"				•	•						
10"					•						
12"					•	•	•				
<b>BYB SERIES</b>											
14"								•	•		
16"									•		
18"									•	•	
20"										•	•
24"											•

\* Handwheel version

# ELECTRIC ACTUATORS – HRSN SERIES OPTIONS & ACCESSORIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



OPTIONS AND ACCESSORIES (OPTIONS AVAILABLE WHERE PRICE IS SHOWN) ADD TO PRICE OF ACTUATOR.									
Option	Suffix		HRSN2A List Price	HRSN2B List Price	HRSN2R List Price	HRSN2S List Price	HRSN3A-3B List Price	HRSN4A-4D List Price	HRSN4E-4F List Price
	Code	Position							
Torque In/lbs			310	310	440	440	880 - 1770	3570 - 8850	15040 - 20350
Voltage - 12VDC (available up to 7080"lb)	A	7th	\$124.00	\$124.00	\$124.00	\$124.00	\$160.00	\$300.00	N/A
Voltage - 12VAC (available up to 7080"lb)	B	7th	\$124.00	\$124.00	\$124.00	\$124.00	\$160.00	\$300.00	N/A
Voltage - 24VDC	D	7th	\$124.00	\$124.00	\$124.00	\$124.00	\$160.00	\$300.00	N/A
Voltage - 24VAC	E	7th	\$124.00	\$124.00	\$124.00	\$124.00	\$160.00	\$300.00	N/A
Voltage - 120VAC	K	7th	STD	STD	STD	STD	STD	STD	STD
Voltage - 230VAC	L	7th	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC	OPT-NC
On/Off Jog	1	8th	STD	STD	STD	STD	STD	STD	STD
3ph w/o Phase Mon, no MCC	Y	15th	N/A	N/A	N/A	N/A	\$350.00	\$350.00	\$350.00
3ph w/ Phase Mon, with MCC	M	15th	N/A	N/A	N/A	N/A	\$900.00	\$750.00	\$750.00
0°-45°-90°	3	8th	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00	\$300.00
0°-90°-180°	D	8th	\$300.00	N/A	\$300.00	N/A	\$300.00	\$300.00	\$300.00
Proportional Control 12VAC/VDC (available up to 7080"lb)	8	8th	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	\$1,100.00	N/A
Proportional Control 24VAC/VDC	8	8th	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00	\$960.00	N/A
Proportional Control 120VAC	8	8th	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00
Proportional Control 230VAC	8	8th	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00	\$940.00
Proportional Control 3 Phase - All	8	8th	N/A	N/A	N/A	N/A	\$980.00	\$980.00	\$980.00
2 Position Relay (RO/RC)	6	8th	\$260.00	\$260.00	\$260.00	\$260.00	\$260.00	\$260.00	\$260.00
Timer Kit, Analog	7	8th	\$800.00	\$800.00	\$800.00	\$800.00	\$460.00	\$460.00	\$460.00
Timer Kit, Digital (TOD)	B	8th	\$850.00	\$850.00	\$850.00	\$850.00	\$500.00	\$500.00	\$500.00
2 Auxiliary Switches	A	12th	STD	STD	STD	STD	STD	STD	STD
Cold Weather Package	Z	13th	\$250.00	\$250.00	\$250.00	\$250.00	\$400.00	\$400.00	\$400.00
0°-180°	U	13th	\$200.00	N/A	\$200.00	N/A	\$250.00	\$250.00	\$250.00
Extended Duty Motor 75% (120/230VAC Only) - 2A-4F	T	13th	\$176.00	\$176.00	\$176.00	\$176.00	\$172.00	\$184.00	\$184.00
Extended Duty Motor 50% (120/230VAC Only) - 5A-6A	T	13th	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Feedback Potentiometer (1K/5K/10K)	F/G/H	13th	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00	\$150.00
4-20mA Feedback for on/off Actuators	M	13th	\$764.00	\$764.00	\$764.00	\$764.00	\$764.00	\$764.00	\$764.00
5th & 6th Auxiliary Switch	B	13th	N/A	N/A	N/A	N/A	\$160.00	\$160.00	\$160.00
IP68 Compliant Enclosure	8	14th	\$276.00	\$276.00	\$276.00	\$276.00	\$310.00	\$340.00	\$360.00
Torque Switches	T	15th	N/A	N/A	N/A	N/A	\$400.00	\$400.00	\$400.00
Handwheel Manual Override	-	N/A	USE 2B	STD	USE 2S	STD	STD	STD	STD
316SS Tags	YSS2	N/A	\$37.65	\$37.65	\$37.65	\$37.65	\$37.65	\$37.65	\$37.65

POA = Priced on Availability. Consult factory for pricing and availability.

N/A = Feature Not Applicable to actuator.

STD = Feature is Standard to actuator.

\* Extended Duty Motor standard with Proportional Control & 12/24 VDC. Proportional Control includes 4-20mA In/Out.

Not all options are available across the entire product range (Consult Hayward).

# PNEUMATIC ACTUATORS – PCD/S & PMD/S/4 SERIES

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.



**PCD/S Series:** Best choice for heavy duty applications. Compact with 3 rack and pinion design. ISO5211 mounting base. Namur solenoid mount. Manual override.



**PMD/S Series:** Rack and pinion design with corrosion resistant plastic housing for harsh environmental condition applications. Light duty applications.



**PMD4/PMS4 Series:** Lightweight Double Acting or Spring Return rack and pinion design with Glass Filled Polypropylene housing. Ideal for very corrosive applications and environments.

Model List Price	PCD15 \$344.25	PCD20 \$471.75	PCD25 \$634.45	PCD30 \$811.80	PCD35 \$955.65	PCD45 \$1,677.85	PCD60 \$3,011.00	PCD75 \$3,750.20	PMD10 \$210.65	PMD410 \$219.90	PMD415 \$227.30	PMD419 \$352.70
Torque In/lbs	172	311	639	1052	1848	3622	8585	15856	125	125	275	500
<b>TB &amp; CV SERIES</b>												
1/2"	•								•	•		
3/4"	•								•	•		
1"	•								•	•		
1-1/4"	•								•	•		
1-1/2"	•								•	•		
2"	•	•							•	•	•	
2-1/2"		•									•	
3"		•									•	
4"		•									•	•
6"		•										•
<b>TW &amp; LA SERIES</b>												
1/2"	•								•	•		
3/4"	•								•	•		
1"	•								•	•		
1-1/4"	•								•	•		
1-1/2"	•								•	•		
2"	•	•							•	•	•	
2-1/2"		•									•	
3"		•									•	
4"		•									•	•
6"		•										•
<b>BYV SERIES</b>												
2"		•							•	•	•	
2-1/2"		•									•	
3"		•	•								•	•
4"			•									•
6"			•	•	•							
8"					•	•						
10"						•						
12"						•	•					
<b>BYB SERIES</b>												
14"							•					
16"							•	•				
18"								•				
20"								•				
24"								•				

\* Use PCS30 for 3" LA Series.  
All actuator sizing based on 80 PSI air.



# PNEUMATIC ACTUATORS – PCD/S & PMD/S/4 SERIES (cont.)

Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model List Price	PCS15 \$382.65	PCS20 \$493.35	PCS25 \$732.10	PCS30 \$891.20	PCS35 \$1,173.35	PCS45 \$1,865.75	PCS60 \$2,925.40	PMS15 \$243.90	PMS410 \$254.55	PMS415 \$269.10	PMS419 \$406.75	PMS420 \$426.00
Torque In/lbs	61	109	217	345	607	1218	2857	107	44	107	184	230
<b>TB &amp; CV SERIES</b>												
1/2"	•							•		•		
3/4"	•	•						•		•		
1"		•						•		•		
1-1/4"		•						•		•		
1-1/2"		•						•		•		
2"		•	•					•		•	•	
2-1/2"			•								•	
3"			•								•	•
4"			•									•
6"			•	•								•
<b>TW &amp; LA SERIES</b>												
1/2"	•							•		•		
3/4"	•	•						•		•		
1"		•						•		•		
1-1/4"		•						•		•		
1-1/2"		•						•		•		
2"		•	•					•		•	•	
2-1/2"			•								•	
3"			•								•	•
4"			•									•
6"			•	•								•
<b>BYV SERIES</b>												
2"		•	•						•	•	•	
2-1/2"				•								
3"				•	•							
4"					•							
6"					•	•						
8"						•	•					
10"							•					
12"												

PNEUMATIC ACTUATORS



# PNEUMATIC ACTUATORS – PMD6 ALUMINUM SERIES



Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model List Price	PMD604 \$184.00	PMD612 \$268.00	PMD614 \$334.00	PMD616 \$366.00	PMD617 \$428.00	PMD621 \$476.00	PMD626 \$546.00	PMD631 \$614.00	PMD636 \$896.00	PMD641 \$1,108.00	PMD646 \$1,242.00	PMD651 \$1,972.00	PMD656 \$2,308.00
Torque In/lbs	80	125	207	275	360	500	750	1000	1600	2000	3125	4500	6000
<b>TB &amp; CV SERIES</b>													
1/2"	•	•	•										
3/4"	•	•	•										
1"	•	•	•										
1-1/4"		•	•										
1-1/2"		•	•										
2"		•	•										
2-1/2"			•										
3"			•	•									
4"				•									
6"				•	•								
<b>TW &amp; LA SERIES</b>													
1/2"	•	•	•										
3/4"	•	•	•										
1"	•	•	•										
1-1/4"		•	•										
1-1/2"		•	•										
2"		•	•										
2-1/2"			•										
3"			•	•									
4"				•									
6"				•	•								
<b>BYV SERIES</b>													
2"		•	•	•									
2-1/2"				•									
3"				•	•	•							
4"						•	•						
6"							•	•	•				
8"								•		•	•		
10"									•		•	•	
12"												•	•

Model List Price	PMD661 \$3,240.00	PMD667 \$3,824.00	PMD671 \$8,338.00	PMD676 \$9,598.00
Torque In/lbs	9100	12000	23500	31500
<b>BYB SERIES</b>				
14"	•	•		
16"		•	•	
18"			•	
20"			•	
24"			•	•



# PNEUMATIC ACTUATORS – PMS6 ALUMINUM SERIES



Prices are for the actuator or option only; add the cost of the valve, actuator and any options together for the total list price.

Model List Price	PMS612 \$324.00	PMS614 \$452.00	PMS616 \$492.00	PMS617 \$610.00	PMS621 \$658.00	PMS626 \$738.00	PMS631 \$822.00	PMS636 \$1,166.00	PMS641 \$1,424.00	PMS646 \$1,572.00	PMS651 \$2,356.00	PMS656 \$2,900.00	PMS661 \$3,922.00	PMS667 \$4,830.00
Torque In/lbs	66	77	107	128	193	260	373	571	737	901	1749	2282	3734	4976
<b>TB &amp; CV SERIES</b>														
1/2"	•	•	•											
3/4"	•	•	•											
1"		•	•											
1-1/4"			•											
1-1/2"			•											
2"			•	•	•									
2-1/2"					•									
3"					•	•								
4"						•								
6"						•	•							
<b>TW &amp; LA SERIES</b>														
1/2"	•	•	•											
3/4"	•	•	•											
1"		•	•											
1-1/4"			•											
1-1/2"			•											
2"			•	•	•									
2-1/2"					•									
3"					•	•								
4"						•								
6"						•	•							
<b>BYV SERIES</b>														
2"			•	•	•	•								
2-1/2"						•								
3"						•	•	•						
4"								•						
6"								•	•	•	•			
8"										•	•	•		
10"											•	•	•	
12"												•	•	•
<b>BYB SERIES</b>														
14"														
16"														
18"														
20"														
24"														

PNEUMATIC ACTUATORS

Model List Price	PMS671 \$12,324.00	PMS676 \$13,584.00
Torque In/lbs	8637	11598
<b>BYB SERIES</b>		
14"	•	•
16"		•
18"		
20"		
24"		

# PNEUMATIC ACTUATORS – PCD/S & PMD/S/4/6 SERIES OPTIONS & ACCESSORIES

Options and Accessories <i>Add to price of actuator</i>			
	Option	Suffix #	List Price
<b>VOLTAGE OPTIONS</b>	Voltage 12 VDC	12D	\$31.00
	Voltage 24 VAC	24A	\$31.00
	Voltage 24 VDC	24D	\$31.00
	Voltage 220 VAC	220A	\$31.00
	Voltage 240 VAC	240A	\$31.00
<b>SOLENOID VALVES*</b>	Valve, 4-Way, NEMA 4, 115VAC (PMD10, PCD15, 20, 30, 35, 45, 60, 75, PKD5, 7, 9)	A8	\$216.85
	Valve, 3-Way, NEMA 4, 115VAC (PMS15, PCS15, 20, 25, 30, 35, 45, 60)	A9	\$216.85
	4-Way, NEMA 7 (PCD15, 20, 25, 30, 35, 45, 60, 75)	AA8	\$320.90
	3-Way, NEMA 7 (PCD15, 20, 25, PCS25, 30, 35, 45, 60)	AA9	\$320.90
	Air Filter/Regulator	A10	\$128.05
<b>POSITIONERS</b>	Pneumatic Positioner 3-15 PSI Input	C**	\$1,420.95
	Electro/Pneumatic Positioner 4-20 mA Input	C2**	\$2,077.65
	Optional Beacon Positioner Indicator	R2	\$102.75
	Optional Position Transmitter 4-20 mA Output	R5	\$1,111.15
<b>LIMIT SWITCHES</b>	2 SPDT Switches, Flat Cover, NEMA 4X, 10 Amps	S2	\$366.45
	2 SPDT Switches, Beacon, NEMA 4X, 10 Amps	S4	\$418.60
	2 SPDT Switches, Flat Cover, NEMA 4 & 7, 10 Amps	SA2	\$526.40
	2 SPDT Switches, Beacon, NEMA 4 & 7, 10 Amps	SA4	\$591.40
<b>MISC.</b>	Speed Control (Air / Spring)	T3	\$52.25
	Speed Control (Air / Air)	T4	\$102.75
	316 Stainless Steel Tags	YSS2	\$37.65

POA = Priced on Availability. Consult factory for pricing and availability.

\* CSA listed Solenoid Valves available – consult factory.

\*\* Must order a C or C2 option in order to add the R2 or R5 option.



## PNEUMATIC ACTUATORS FOR DIAPHRAGM VALVES

Actuators are Air to Spring, normally closed, or Air to Air. Prices include Actuator and mounting kit only. Valve cost is separate line item.

Air to Spring Actuation		
Size	Part No.	List Price
1/2"	PSA005	\$509.15
3/4"	PSA007	\$534.20
1"	PSA010	\$615.30
1-1/4"	PSA012	\$800.50
1-1/2"	PSA015	\$800.50
2"	PSA020	\$1,107.35
2-1/2"	PSA025	\$1,252.15
3"	PSA030	\$1,329.65
4"	PSA040	\$1,574.10

Air to Air Actuation		
Size	Part No.	List Price
1/2"	PDA005	\$384.20
3/4"	PDA007	\$403.10
1"	PDA010	\$464.30
1-1/4"	PDA012	\$604.05
1-1/2"	PDA015	\$604.05
2"	PDA020	\$835.55
2-1/2"	PDA025	\$944.95
3"	PDA030	\$1,003.35
4"	PDA040	\$1,187.75

Pneumatic Options			
Item	Suffix	List Price	
Limit Switch - Mechanical	S2 (1/2" - 1" Only)	\$642.80	
Max Stroke Limiter	L1	STD	
Solenoid Valve	A8 (A/A)	\$464.75	
Solenoid Valve	A9 (A/S)	\$464.75	

PVDF Vapor Barrier Adder - Suffix A			
Size	List Price	Size	List Price
1/2"	\$33.75	3"	\$214.45
3/4"	\$38.45	4"	\$305.50
1"	\$56.10	5"	\$509.35
1-1/4" - 1-1/2"	\$83.25	6"	\$779.10
2"	\$104.90	8"	N/A
2-1/2"	\$169.25	10"	N/A

N/A = Feature Not Applicable.

# REPLACEMENT PARTS PRICE LIST FOR SOLENOID VALVES

## NO-PRESSURE DIFFERENTIAL (NPD) DESIGN\*

Size	PVC Cartridge & Seal Kit FPM	PVC Cartridge & Seal Kit EPDM	CPVC Cartridge & Seal Kit FPM	CPVC Cartridge & Seal Kit EPDM	Bonnet Nut	Coil 120 VOLT Bonnet, Nut & Clip	Coil 220 VOLT Bonnet, Nut & Clip	Coil 12 VAC or 12 VDC, Bonnet, Nut & Clip	Coil 24 VAC or 24 VDC, Bonnet, Nut & Clip
1/4" - 1/2"	SVX1VCART \$166.00	SVX1ECART \$156.80	SVX2VCART \$166.00	SVX2ECART \$177.35	SVX452B \$39.20	SVX5BCOIL120A \$309.80	SVX5BCOIL220A \$505.55	SVX5BCOIL12A/D \$505.55	SVX5BCOIL24A/D \$505.55
3/4" - 1"	SVX17VCART \$183.00	SVX17ECART \$175.45	SVX27VCART \$183.00	SVX27ECART \$175.45	SVX472B \$50.50	SVX1BCOIL120A \$320.90	SVX1BCOIL220A \$516.90	SVX1BCOIL12A/D \$516.90	SVX1BCOIL24A/D \$516.90

\* When replacing cartridge of valve requiring differential pressure, it is also necessary to replace coil.

## MOUNTING KITS, COUPLINGS & ACCESSORIES FOR AUTOMATED VALVES

COUPLINGS	List Price
For True Union and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Actuator Model Number	\$50.30 each
For True Union and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Actuator Model Number	\$61.50 each
For Butterfly Valves, Sizes 1-1/2" - 8" Specify Valve Size and Actuator Model Number	\$90.00 each
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Actuator Model Number	POA
MOUNTING KITS (Coupling, Bracket & Hardware)*	List Price
For True Union and Three-Way Ball Valves, Sizes 1/4" - 2" Specify Valve Size and Actuator Model Number	\$113.70 each
For True Union and Three-Way Ball Valves, Sizes 2-1/2" - 6" Specify Valve Size and Actuator Model Number	\$157.25 each
For Butterfly Valves, Sizes 1-1/2" - 8" Specify Valve Size and Actuator Model Number	\$196.85 each
For Butterfly Valves, Sizes 10" - 12" Specify Valve Size and Actuator Model Number	POA
QUICK DISCONNECT FITTINGS FOR POLY TUBING	List Price
Specify NPT Size 10-32SPT • 1/8" NPT • 1/4" NPT and Outside Diameter of Poly Tubing	\$14.45 each
POLY TUBING	List Price
Specify Outside Diameter - 5/32" or 1/4" and Length Required	\$2.70 per foot

\* Consult Hayward for LA Series Lateral 3-Way valve kits & couplings.  
POA = Priced on Availability. Consult factory for pricing and availability.

# HAYWARD FLOW CONTROL AUTOMATED VALVE QUESTIONNAIRE

## Valve Type

- Ball Valve
- Butterfly Valve
- Diaphragm Valve
- Three-Way Valve, Ball Configuration (NT, TW or TP)
- Lateral Three-Way Valve, Ball Configuration (NT or 90)

## Valve Material

- PVC
- CPVC
- GFPP or PP
- PVDF (DAB only)

## O-Ring Material

- EPDM
- FPM
- NITRILE (BYV only)

## Connection

- Socket (ball valves)
- Threaded (ball valves)
- Flanged
- Threaded Lugged (BYV & BY valves only)

## Valve Size

## Disc Material (BYV, BY & BYB valves only)

- PVC
- CPVC
- GFPP or PP

## Diaphragm Material (DAB valves only)

- EPDM
- FPM
- PTFE

## Valve Operation

- On/Off
- Throttling (modulating, 4-20 mA)

## Installation

- Indoors
- Outdoors - (for outdoors, use electric actuator with heater)

## Electric Actuator

Voltage  AC or DC

- Options
- Timer Board
  - Cycle Time Regulator
  - Positioner (4-20 mA)
  - Feedback Potentiometer
  - Handwheel
  - Battery Backup
  - Auxiliary Limit Switches
  - Heater/Thermostat
  - Explosion-Proof Housing
  - I.D. Tag

## Pneumatic Actuator (80 PSI)

- Double Acting
- Spring Return

- Options
- Solenoid (AC or DC)
  - Air Filter/Regulator
  - Positioner (4-20 mA)
  - Auxiliary Limit Switches
  - I.D. Tag





# DAB SERIES DIAPHRAGM VALVES – TRUE UNION

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see [page 68](#).

## PVC - FPM Diaphragm - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UFF	\$133.70	1-1/4"	Skt/Thd	DAB1012UFF	\$287.30
3/4"	Skt/Thd	DAB1007UFF	\$150.10	1-1/2"	Skt/Thd	DAB1015UFF	\$287.30
1"	Skt/Thd	DAB1010UFF	\$187.65	2"	Skt/Thd	DAB1020UFF	\$340.45

## PVC - EPDM Diaphragm\* - EPDM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UEE	\$106.35	1-1/4"	Skt/Thd	DAB1012UEE	\$230.65
3/4"	Skt/Thd	DAB1007UEE	\$120.80	1-1/2"	Skt/Thd	DAB1015UEE	\$230.65
1"	Skt/Thd	DAB1010UEE	\$150.10	2"	Skt/Thd	DAB1020UEE	\$272.60

## PVC - PTFE Diaphragm\* - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB1005UPF	\$203.25	1-1/4"	Skt/Thd	DAB1012UPF	\$426.55
3/4"	Skt/Thd	DAB1007UPF	\$215.85	1-1/2"	Skt/Thd	DAB1015UPF	\$441.70
1"	Skt/Thd	DAB1010UPF	\$292.80	2"	Skt/Thd	DAB1020UPF	\$524.40

## CPVC - FPM Diaphragm - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UFF	\$266.40	1-1/4"	Skt/Thd	DAB2012UFF	\$512.05
3/4"	Skt/Thd	DAB2007UFF	\$287.30	1-1/2"	Skt/Thd	DAB2015UFF	\$512.05
1"	Skt/Thd	DAB2010UFF	\$353.95	2"	Skt/Thd	DAB2020UFF	\$556.20

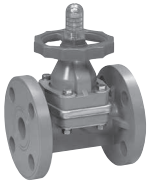
## CPVC - EPDM Diaphragm\* - EPDM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UEE	\$204.00	1-1/4"	Skt/Thd	DAB2012UEE	\$434.05
3/4"	Skt/Thd	DAB2007UEE	\$245.55	1-1/2"	Skt/Thd	DAB2015UEE	\$434.05
1"	Skt/Thd	DAB2010UEE	\$270.40	2"	Skt/Thd	DAB2020UEE	\$500.60

## CPVC - PTFE Diaphragm\* - FPM Seals

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd	DAB2005UPF	\$302.80	1-1/4"	Skt/Thd	DAB2012UPF	\$607.70
3/4"	Skt/Thd	DAB2007UPF	\$322.10	1-1/2"	Skt/Thd	DAB2015UPF	\$613.05
1"	Skt/Thd	DAB2010UPF	\$385.90	2"	Skt/Thd	DAB2020UPF	\$636.45

\* All EPDM and PTFE diaphragms are available with a PVDF vapor barrier, use Suffix A. See [page 73](#) for adder. Consult Factory for PP & PVDF diaphragms.



## DAB SERIES DIAPHRAGM VALVES – FLANGED

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see [page 68](#).

### PVC - FPM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB1005FFK	\$159.30	2"	Flanged	DAB1020FFK	\$401.45
3/4"	Flanged	DAB1007FFK	\$183.10	2-1/2"	Flanged	DAB1025FFK	\$559.60
1"	Flanged	DAB1010FFK	\$239.85	3"	Flanged	DAB1030FFK	\$727.65
1-1/4"	Flanged	DAB1012FFK	\$323.65	4"	Flanged	DAB1040FFK	\$988.45
1-1/2"	Flanged	DAB1015FFK	\$323.65	6"	Flanged	DAB1060FFK	\$2,561.55

### PVC - EPDM Diaphragm\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB1005FEK	\$133.70	2"	Flanged	DAB1020FEK	\$363.85
3/4"	Flanged	DAB1007FEK	\$153.75	2-1/2"	Flanged	DAB1025FEK	\$503.80
1"	Flanged	DAB1010FEK	\$203.20	3"	Flanged	DAB1030FEK	\$634.80
1-1/4"	Flanged	DAB1012FEK	\$268.65	4"	Flanged	DAB1040FEK	\$903.15
1-1/2"	Flanged	DAB1015FEK	\$268.65	6"	Flanged	DAB1060FEK	\$2,047.10

### PVC - PTFE Diaphragm\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB1005FPK	\$199.60	2"	Flanged	DAB1020FPK	\$539.55
3/4"	Flanged	DAB1007FPK	\$217.85	2-1/2"	Flanged	DAB1025FPK	\$812.85
1"	Flanged	DAB1010FPK	\$322.20	3"	Flanged	DAB1030FPK	\$1,036.25
1-1/4"	Flanged	DAB1012FPK	\$426.55	4"	Flanged	DAB1040FPK	\$1,350.80
1-1/2"	Flanged	DAB1015FPK	\$468.40	6"	Flanged	DAB1060FPK	\$3,582.50

### CPVC - FPM Diaphragm

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB2005FFK	\$261.05	1-1/2"	Flanged	DAB2015FFK	\$563.90
3/4"	Flanged	DAB2007FFK	\$292.25	2"	Flanged	DAB2020FFK	\$656.65
1"	Flanged	DAB2010FFK	\$365.25	2-1/2"	Flanged	DAB2025FFK	\$957.25
1-1/4"	Flanged	DAB2012FFK	\$563.90	3"	Flanged	DAB2030FFK	\$1,437.20
				4"	Flanged	DAB2040FFK	\$1,971.80

\* All EPDM and PTFE diaphragms are available with a PVDF vapor barrier, use Suffix A. See [page 73](#) for adder. Consult Factory for PP & PVDF diaphragms.



## DAB SERIES DIAPHRAGM VALVES – FLANGED (cont.)

All DAB Series Diaphragm Valves are assembled with silicone free lubricant and a highly visible, beacon type position indicator.

For actuator mounted see [page 68](#).

### CPVC - EPDM Diaphragm\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB2005FEK	\$245.55	1-1/2"	Flanged	DAB2015FEK	\$456.60
3/4"	Flanged	DAB2007FEK	\$266.20	2"	Flanged	DAB2020FEK	\$511.25
1"	Flanged	DAB2010FEK	\$326.05	2-1/2"	Flanged	DAB2025FEK	\$842.45
1-1/4"	Flanged	DAB2012FEK	\$438.20	3"	Flanged	DAB2030FEK	\$1,108.15
				4"	Flanged	DAB2040FEK	\$1,467.45

### CPVC - PTFE Diaphragm\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Flanged	DAB2005FPK	\$319.70	1-1/2"	Flanged	DAB2015FPK	\$656.35
3/4"	Flanged	DAB2007FPK	\$353.95	2"	Flanged	DAB2020FPK	\$743.30
1"	Flanged	DAB2010FPK	\$443.40	2-1/2"	Flanged	DAB2025FPK	\$1,353.70
1-1/4"	Flanged	DAB2012FPK	\$558.30	3"	Flanged	DAB2030FPK	\$1,656.25
				4"	Flanged	DAB2040FPK	\$2,347.35

\* All EPDM and PTFE diaphragms are available with a PVDF vapor barrier, use Suffix A. See page below for adder. Consult Factory for PP & PVDF diaphragms.

DIAPHRAGM VALVES

### PVDF - Vapor Barrier ADDER (For True Union and Flanged)

SIZE	SUFFIX NO.	LIST PRICE	SIZE	SUFFIX NO.	LIST PRICE
1/2"	A	\$33.75	3"	A	\$214.45
3/4"	A	\$38.45	4"	A	\$305.50
1"	A	\$56.10	5"	A	\$509.35
1-1/4" - 1-1/2"	A	\$83.25	6"	A	\$779.10
2"	A	\$104.90	8"	A	POA
2-1/2"	A	\$169.25	10"	A	POA



## RV SERIES PRESSURE RELIEF VALVES

All Pressure Relief Valves can be set from 5-75 PSI\* and are assembled with silicone free lubricant.

### FPM SEALS

### PVC

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	RV1050T	\$398.00	RV2050T	\$583.45
3/4"	Threaded	RV1075T	\$448.45	RV2075T	\$657.75
1"***	Threaded	RV1100T	\$535.15	RV2100T	\$783.20
1-1/2"	Threaded	RV1150T	\$693.25	RV2150T	\$1,016.50
2"***	Threaded	RV1200T	\$819.35	RV2200T	\$1,203.70

\* For set pressures below 25 PSI, add "L" to part number for low pressure spring.

\*\* 1" and 2" Flanged - POA.

\*\*\* For Valves to have a Preset Pressure, add part number "SET-PRESSURE1". List Price Adder of \$106.65 per valve to set.

\*\*\*\* Advise pressure set requirements upon ordering. Keep to 1 PSI increments only.

### EPDM SEALS

### PVC

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	RV1050TE	\$389.00	RV2050TE	\$574.25
3/4"	Threaded	RV1075TE	\$437.95	RV2075TE	\$646.95
1"***	Threaded	RV1100TE	\$525.90	RV2100TE	\$763.35
1-1/2"	Threaded	RV1150TE	\$678.90	RV2150TE	\$1,004.00
2"***	Threaded	RV1200TE	\$806.75	RV2200TE	\$1,191.45

\* For set pressures below 25 PSI, add "L" to part number for low pressure spring.

\*\* 1" and 2" Flanged - POA.

\*\*\* For Valves to have a Preset Pressure, add part number "SET-PRESSURE1". List Price Adder of \$106.65 per valve to set.

\*\*\*\* Advise pressure set requirements upon ordering. Keep to 1 PSI increments only.



## PR SERIES PRESSURE REGULATOR VALVES

All Pressure Regulators have FPM seals, can be set from 5 to 75 PSI and are assembled with water soluble, silicone free lubricant.

### PVC

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	PR10025T	\$448.45	PR20025T	\$653.85
1/2"	Threaded	PR10050T	\$493.40	PR20050T	\$735.30
3/4"	Threaded	PR10075T	\$837.50	PR20075T	\$1,168.35
1"	Threaded	PR10100T	\$975.90	PR20100T	\$1,349.85
1-1/2"	Threaded	PR10150T	\$1,130.65	PR20150T	\$1,555.50

\* For Valves to have a Preset Pressure, add part number "SET-PRESSURE1". List Price Adder of \$106.65 per valve to set.

\*\* Advise pressure set requirements upon ordering. Keep to 1 PSI increments only.



## AV SERIES ANGLE GLOBE VALVES

All Angle Globe Valves are assembled with silicone free lubricant and have an FPM o-ring seal and seat.

### PVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	AV10025T	\$73.55	1"	Threaded	AV10100T	\$151.65
1/2"	Threaded	AV10050T	\$105.30	1-1/2"	Threaded	AV10150T	\$240.70
3/4"	Threaded	AV10075T	\$124.85	2"	Threaded	AV10200T	\$344.20



## PBV SERIES DIAPHRAGM BACK PRESSURE VALVES

Designed to enhance the performance of chemical feed systems by applying a continuous back pressure to the chemical feed pump, while also acting as an anti-siphon valve. Standard valve has 10 - 150 psi spring range, with PTFE/EPDM diaphragm. Valves with 0 - 50 psi and 10 - 250 psi spring available, as well as with PTFE/FPM diaphragm. Spare Parts and rebuild kits available.

### PVC

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	PBV1025TPE1	\$170.15	PBV2025TPE1	\$245.05
3/8"	Threaded	PBV1037TPE1	\$170.15	PBV2037TPE1	\$245.05
1/2"	Threaded	PBV1050TPE1	\$185.15	PBV2050TPE1	\$334.95
3/4"	Threaded	PBV1075TPE1	\$374.50	PBV2075TPE1	\$478.30
1"	Threaded	PBV1100TPE1	\$483.65	PBV2100TPE1	\$663.40
1-1/2"	Threaded	PBV1150TPE1	\$1,063.60	PBV2150TPE1	\$1,606.10
2"	Threaded	PBV1200TPE1	\$1,203.75	PBV2200TPE1	\$1,771.95

### PP

### PVDF

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	PBV3025TPE1	\$176.55	PBV5025TPE1	\$365.95
3/8"	Threaded	PBV3037TPE1	\$176.55	PBV5037TPE1	\$365.95
1/2"	Threaded	PBV3050TPE1	\$191.55	PBV5050TPE1	\$532.90
3/4"	Threaded	PBV3075TPE1	\$384.15	PBV5075TPE1	\$761.85
1"	Threaded	PBV3100TPE1	\$494.35	PBV5100TPE1	\$928.80
1-1/2"	Threaded	PBV3150TPE1	\$1,125.65	PBV5150TPE1	\$2,500.60
2"	Threaded	PBV3200TPE1	\$1,269.05	PBV5200TPE1	\$2,595.85



## RPV SERIES DIAPHRAGM PRESSURE RELIEF VALVES

Protects chemical feed systems from damage caused by defective equipment or a blockage in the chemical feed line. Standard valve has 10 - 150 psi spring range, with PTFE/EPDM diaphragm. Valves with 0 - 50 psi and 10 - 250 psi spring available, as well as with PTFE/FPM diaphragm. Spare Parts and rebuild kits available.

### PVC

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	RPV1025TPE1	\$192.60	RPV2025TPE1	\$273.95
3/8"	Threaded	RPV1037TPE1	\$192.60	RPV2037TPE1	\$273.95
1/2"	Threaded	RPV1050TPE1	\$194.75	RPV2050TPE1	\$450.50
3/4"	Threaded	RPV1075TPE1	\$403.40	RPV2075TPE1	\$521.10
1"	Threaded	RPV1100TPE1	\$520.05	RPV2100TPE1	\$680.55
1-1/2"	Threaded	RPV1150TPE1	\$1,063.60	RPV2150TPE1	\$1,606.10
2"	Threaded	RPV1200TPE1	\$1,203.75	RPV2200TPE1	\$1,771.95

### PP

### PVDF

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	Threaded	RPV3025TPE1	\$200.10	RPV5025TPE1	\$397.00
3/8"	Threaded	RPV3037TPE1	\$200.10	RPV5037TPE1	\$397.00
1/2"	Threaded	RPV3050TPE1	\$348.85	RPV5050TPE1	\$545.70
3/4"	Threaded	RPV3075TPE1	\$406.60	RPV5075TPE1	\$779.00
1"	Threaded	RPV3100TPE1	\$526.45	RPV5100TPE1	\$966.25
1-1/2"	Threaded	RPV3150TPE1	\$1,125.65	RPV5150TPE1	\$2,500.60
2"	Threaded	RPV3200TPE1	\$1,269.05	RPV5200TPE1	\$2,595.85



## CS SERIES CORPORATION STOPS



Ensures that chemical feed systems inject into the center of a process stream for better mixing and to prevent corrosion inside the process pipe. The integral check valve prevents the process fluid from going back up the chemical line. Quill with 45° Bevel. EPDM seals optional.

### FPM SEALS, TRUE UNION THREADED AND MNPT

SIZE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE
1/2"	PVC	CS11050T06BV1	\$347.60	CPVC	CS22050T06BV1	\$359.70
3/4"	PVC	CS11075T06BV1	\$367.40	CPVC	CS22075T06BV1	\$443.30
1"	PVC	CS11100T06BV1	\$399.30	CPVC	CS22100T06BV1	\$580.80



## IV SERIES INJECTION VALVES



The IV Series Injection Valves ensure that chemical feed systems inject into the center of a process stream for better mixing and to prevent corrosion inside the process pipe. The check valve prevents the process fluid from going back up the chemical line. 45° Bevel. EPDM seals optional.

### FPM SEALS

### PVC

### CPVC

### PVDF

SIZE	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	IV1050T04BV	\$190.90	IV2050T04BV	\$227.70	IV5050T04BV	\$466.90
3/4"	Threaded	IV1075T04BV	\$208.15	IV2075T04BV	\$241.50	IV5075T04BV	\$794.65
1"	Threaded	IV1100T04BV	\$208.15	IV2100T04BV	\$241.50	IV5100T04BV	\$794.65
1-1/2"	Threaded	IV1150T06BV	\$693.45	IV2150T06BV	\$943.00	IV5150T06BV	\$2,756.55
2"	Threaded	IV1200T06BV	\$732.55	IV2200T06BV	\$978.65	IV5200T06BV	\$3,384.45



## IQ SERIES INJECTION QUILLS

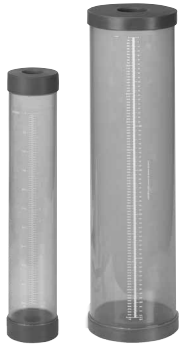


The IQ Series Injection Quills provide an economic solution for proper injection into chemical feed systems. 45° Bevel.

### MNPT

SIZE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE	QUILL	PART NO.	LIST PRICE
1/2"	PVC	IQ1050T03B	\$97.75	CPVC	IQ2050T03B	\$110.40	PVDF	IQ5050T03B	\$216.20
3/4"	PVC	IQ1075T03B	\$110.40	CPVC	IQ2075T03B	\$117.30	PVDF	IQ5075T03B	\$240.35
1"	PVC	IQ1100T04B	\$133.40	CPVC	IQ2100T04B	\$154.10	PVDF	IQ5100T04B	\$348.45





## CCS SERIES CALIBRATION CYLINDERS

The CCS Series Calibration Cylinders enhance the performance of a chemical feed system by providing verification of the flow rate with direct mL, GPH readout and a sealed top with overflow connection.

### PVC, NPT

CONNECTION SIZE	mL	GPH	PART NO.	LIST PRICE
1/2"	100	3.2	CCS1100100TS	\$91.30
1/2"	200	6.4	CCS1100200TS	\$106.70
1/2"	300	9.6	CCS1100300TS	\$112.20
3/4"	500	16	CCS1100500TS	\$123.20
3/4"	1000	32	CCS1101000TS	\$148.50
1"	2000	64	CCS1102000TS	\$226.60
1"	4000	127	CCS1104000TS	\$315.70
1-1/2"	5000	160	CCS1105000TS	\$478.50
1-1/2"	7000	225	CCS1107000TS	\$602.80
2"	10000	320	CCS1110000TS	\$719.40
2"	15000	480	CCS1115000TS	\$787.60
2"	20000	640	CCS1120000TS	\$862.40

Note: Other materials, end connections and configurations are available for PBV, PRV, CS, IV, IQ and CCS Series. Please consult factory.

# NVA SERIES NEEDLE VALVES

Hayward Flow Control's NVA Series Needle Valves are now available in CPVC and Natural PVDF. Hayward's Needle Valves are ideal for high purity applications and high temperatures. All Needle Valves are assembled with silicone free lubricant and have an FPM o-ring and a PTFE seat.



**PVC**

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA1025T	\$72.70
3/8"	Threaded	NVA1037T	\$83.90
1/2"	Threaded	NVA1050T	\$83.90



**CPVC**

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA2025T	\$80.80
3/8"	Threaded	NVA2037T	\$93.25
1/2"	Threaded	NVA2050T	\$93.25



**GFPP**

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA4025T	\$86.45
3/8"	Threaded	NVA4037T	\$101.40
1/2"	Threaded	NVA4050T	\$101.40



**NATURAL PVDF**

SIZE	END CONN.	PART NO.	LIST PRICE
1/4"	Threaded	NVA5025T	\$127.50
3/8"	Threaded	NVA5037T	\$127.50
1/2"	Threaded	NVA5050T	\$127.50



## UNIVERSAL STOPCOCK™

The Universal Stopcock™ has EPDM Seals and is supplied with all the end connectors necessary to make the six different end connection combinations shown below. Universal Stopcock™ is sold in carton quantities only, and is assembled with silicone free lubricant.

SIZE	END CONN.	CTN//QTY.	PART NO.	LIST PRICE*
1/4"	FPT x FPT	24	LC12	\$24.50
	FPT x MPT			
	FPT x HOSE			
	MPT x MPT			
	MPT x HOSE			
	HOSE x HOSE			



\*Price is for one stopcock.  
Universal Stopcock™ is a trademark of Hayward Industries, Inc.



## AR SERIES AIR RELEASE VALVES

Air release valves have FPM seals and are assembled with silicone-free lubricant. They mount to 3/4" threaded pipe for easy installation on to a tank.

SIZE	END CONN.	PART NO.	LIST PRICE
3/4"	Skt./Thd.	AR10075ST	\$222.95



## VB SERIES VACUUM BREAKER

Vacuum Breakers have FPM membranes and are assembled with silicone free lubricant. They mount to 3/4" threaded pipe or into the socket connection of a 1-1/2" Hayward Bulkhead Fitting (pages 82-85) for easy installation.

SIZE	END CONN.	PART NO.	LIST PRICE
3/4"	Threaded	VB107X15	\$181.10

## DAB SERIES DIAPHRAGM VALVE PARTS - DIAPHRAGMS

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	FPM	DVBXV053	\$68.65
3/4"	FPM	DVBXV073	\$79.05
1"	FPM	DVBXV103	\$94.30
1-1/4"	FPM	DVBXV123	\$181.10
1-1/2"	FPM	DVBXV153	\$181.10
2"	FPM	DVBXV203	\$212.75
2-1/2"	FPM	DVBXV253	\$289.45
3"	FPM	DVBXV303	\$399.05
4"	FPM	DVBXV403	\$503.75
6"	FPM	DVBXV603	\$1,575.60
8"	FPM	DVBXV803	\$2,012.30
10"	FPM	DVBXV1003	\$4,831.40

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	EPDM	DVBXE053	\$32.90
3/4"	EPDM	DVBXE073	\$38.75
1"	EPDM	DVBXE103	\$50.10
1-1/4"	EPDM	DVBXE123	\$98.60
1-1/2"	EPDM	DVBXE153	\$98.60
2"	EPDM	DVBXE203	\$113.10
2-1/2"	EPDM	DVBXE253	\$161.45
3"	EPDM	DVBXE303	\$217.00
4"	EPDM	DVBXE403	\$284.45
6"	EPDM	DVBXE603	\$831.25
8"	EPDM	DVBXE803	\$1,335.80
10"	EPDM	DVBXE1003	\$3,653.20

SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	PTFE	DVBXT053	\$85.70
3/4"	PTFE	DVBXT073	\$97.20
1"	PTFE	DVBXT103	\$122.80
1-1/4"	PTFE	DVBXT123	\$214.15
1-1/2"	PTFE	DVBXT153	\$214.15
2"	PTFE	DVBXT203	\$257.05
2-1/2"	PTFE	DVBXT253	\$388.20
3"	PTFE	DVBXT303	\$462.50
4"	PTFE	DVBXT403	\$576.65
6"	PTFE	DVBXT603	\$1,952.30
8"	PTFE	DVBXT803	\$2,311.75
10"	PTFE	DVBXT1003	\$5,205.75

## DAB SERIES DIAPHRAGM VALVE PARTS

SIZE	PVC END CONNECTORS			PVC ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Socket	DAXBEC1050S	\$11.00	DABXNUT1050	\$11.00
	Threaded	DAXBEC1050T	\$11.00		
3/4"	Socket	DAXBEC1075S	\$11.00	DABXNUT1075	\$9.20
	Threaded	DAXBEC1075T	\$11.00		
1"	Socket	DAXBEC1100S	\$12.30	DABXNUT1100	\$9.20
	Threaded	DAXBEC1100T	\$12.30		
1-1/4"	Socket	DAXBEC1125S	\$14.15	DABXNUT1125	\$18.20
	Threaded	DAXBEC1125T	\$14.15		
1-1/2"	Socket	DAXBEC1150S	\$21.15	DABXNUT1150	\$22.85
	Threaded	DAXBEC1150T	\$21.15		
2"	Socket	DAXBEC1200S	\$22.85	DABXNUT1200	\$52.70
	Threaded	DAXBEC1200T	\$22.85		

## DAB SERIES DIAPHRAGM VALVE PARTS (cont.)

SIZE	CPVC END CONNECTORS			CPVC ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Socket	DAXBEC2050S	\$16.45	DABXNUT2050	\$11.45
	Threaded	DAXBEC2050T	\$16.45		
3/4"	Socket	DAXBEC2075S	\$18.70	DABXNUT2075	\$13.55
	Threaded	DAXBEC2075T	\$18.70		
1"	Socket	DAXBEC2100S	\$21.15	DABXNUT2100	\$13.55
	Threaded	DAXBEC2100T	\$21.15		
1-1/4"	Socket	DAXBEC2125S	\$33.95	DABXNUT2125	\$27.15
	Threaded	DAXBEC2125T	\$33.95		
1-1/2"	Socket	DAXBEC2150S	\$33.95	DABXNUT2150	\$27.15
	Threaded	DAXBEC2150T	\$33.95		
2"	Socket	DAXBEC2200S	\$44.40	DABXNUT2200	\$33.95
	Threaded	DAXBEC2200T	\$44.40		

SIZE	PP END CONNECTORS			PP ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	DAXBEC3050T	\$14.15	DABXNUT3050	\$11.45
3/4"	Threaded	DAXBEC3075T	\$16.35	DABXNUT3075	\$13.55
1"	Threaded	DAXBEC3100T	\$18.55	DABXNUT3100	\$13.55
1-1/4"	Threaded	DAXBEC3125T	\$29.50	DABXNUT3125	\$27.15
1-1/2"	Threaded	DAXBEC3150T	\$29.50	DABXNUT3150	\$27.15
2"	Threaded	DAXBEC3200T	\$38.45	DABXNUT3200	\$33.95

SIZE	PVDF END CONNECTORS			PVDF ASSEMBLY NUT	
	END CONN.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	Threaded	DAXBEC5050T	\$16.50	DABXNUT5050	\$13.15
3/4"	Threaded	DAXBEC5075T	\$18.95	DABXNUT5075	\$15.60
1"	Threaded	DAXBEC5100T	\$21.60	DABXNUT5100	\$15.60
1-1/4"	Threaded	DAXBEC5125T	\$34.15	DABXNUT5125	\$31.15
1-1/2"	Threaded	DAXBEC5150T	\$34.15	DABXNUT5150	\$31.15
2"	Threaded	DAXBEC5200T	\$44.60	DABXNUT5200	\$39.05

ACRYLLIC CAP REPLACEMENT			
SIZE	MATERIAL	PART NO.	LIST PRICE
1/2"	PTFE	DAXBCAP125	\$32.85
3/4"	PTFE	DAXBCAP125	\$32.85
1"	PTFE	DAXBCAP125	\$32.85
1-1/4"	PTFE	DAXBCAP125	\$32.85
1-1/2"	PTFE	DAXBCAP20	\$32.85
2"	PTFE	DAXBCAP20	\$32.85
2-1/2"	PTFE	DAXBCAP25	\$41.75
3"	PTFE	DAXBCAP30	\$50.60
4"	PTFE	DAXBCAP40	\$70.15
6"	PTFE	DAXBCAP60	\$132.85
8"	PTFE	DAXBCAP80	\$246.95

# RV SERIES PRESSURE RELIEF VALVE PARTS

SIZE	PVC* SPRING		FPM SEAT & SEAL KIT		EPDM SEAT & SEAL KIT		PISTON		ADJUSTMENT SCREW	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	PRX00751B	\$162.40	RVX0050PAK	\$32.15	RVX0050PAKE	\$26.00	RVX105023	\$64.50	RVX1005018	\$48.45
3/4"	RVX007515B	\$162.40	RVX0075PAK	\$38.80	RVX0075PAKE	\$32.15	RVX107523	\$80.65	RVX1007518	\$64.50
1"	RVX010015B	\$162.40	RVX0100PAK	\$48.45	RVX0100PAKE	\$38.80	RVX110023	\$112.90	RVX1010018	\$80.65
1-1/2"	RVX015015B	\$194.35	RVX0150PAK	\$64.50	RVX0150PAKE	\$51.45	RVX115023	\$143.85	RVX1015018	\$97.30
2"	RVX020015B	\$209.85	RVX0200PAK	\$80.65	RVX0200PAKE	\$64.50	RVX1020023	\$178.30	RVX1020018	\$128.40

\* CPVC, consult factory

# PR SERIES PRESSURE REGULATOR VALVE PARTS

SIZE	PVC* SPRING**		FPM*** SEAT & SEAL KIT		STEM		PISTON	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	RVX010015B	\$162.40	PRX0075PAK	\$83.10	PRX100755	\$134.60	PRX1007523	\$72.25
1/2"	RVX010015B	\$162.40	PRX0075PAK	\$83.10	PRX100755	\$134.60	PRX1007523	\$72.25
3/4"	RVX010015B	\$162.40	PRX0075PAK	\$83.10	PRX100755	\$134.60	PRX1007523	\$72.25
1"	PRX015015B	\$194.20	PRX0150PAK	\$111.45	PRX101505	\$209.65	PRX1015023	\$134.60
1-1/2"	PRX015015B	\$194.20	PRX0150PAK	\$111.45	PRX101505	\$209.65	PRX1015023	\$134.60

\* For CPVC, consult factory.

\*\* Spring Part # is for a KYNAR® coated spring. Kynar® is a registered trademark of Arkema, Inc.

\*\*\* EPDM, consult factory.

# AV SERIES ANGLE GLOBE VALVE PARTS

SIZE	FPM* SEAT & SEAL KIT	
	PART NO.	LIST PRICE
1/4"	AVX0025PAK	\$23.20
1/2"	AVX0050PAK	\$24.50
3/4"	AVX0075PAK	\$24.75
1"	AVX0100PAK	\$27.25
1-1/2"	AVX0150PAK	\$29.70
2"	AVX0200PAK	\$33.85

\* EPDM, consult factory

# PBV SERIES BACK PRESSURE VALVE PARTS

SIZE	PRESSURE SPRING 0 - 50 PSI		PRESSURE SPRING 10 - 150 PSI		PRESSURE SPRING 10 - 250 PSI	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	PBV0SPRNG050	\$27.85	PBV1SPRNG050	\$27.85	PBV2SPRNG050	\$27.85
1/2"	PBV0SPRNG050	\$27.85	PBV1SPRNG050	\$27.85	PBV2SPRNG050	\$27.85
3/4"	PBV0SPRNG100	\$48.15	PBV1SPRNG100	\$48.15	PBV2SPRNG100	\$48.15
1"	PBV0SPRNG100	\$48.15	PBV1SPRNG100	\$48.15	PBV2SPRNG100	\$48.15
1-1/2"	N/A	-	PBV1SPRNG200	\$81.35	N/A	-
2"	N/A	-	PBV1SPRNG200	\$81.35	N/A	-

SIZE	DIAPHRAGM PTFE/EPDM		DIAPHRAGM PTFE/FPM		REBUILD KIT (Diaphragm PTFE/EPDM, Compressor, Adjustment Screw, Spring 10 - 150 psi)	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/4"	PBVDIAPE050	\$38.55	PBVDIAPV050	\$51.40	PBVKITPE037	\$93.10
1/2"	PBVDIAPE050	\$38.55	PBVDIAPV050	\$51.40	PBVKITPE037	\$93.10
3/4"	PBVDIAPE100	\$76.00	PBVDIAPV100	\$89.90	PBVKITPE100	\$155.15
1"	PBVDIAPE100	\$76.00	PBVDIAPV100	\$89.90	PBVKITPE100	\$155.15
1-1/2"	PBVDIAPE200	\$99.55	PBVDIAPV200	\$149.80	PBVKITPE200	\$203.30
2"	PBVDIAPE200	\$99.55	PBVDIAPV200	\$149.80	PBVKITPE200	\$203.30



# BFAS SERIES BULKHEAD FITTINGS - SHORT PATTERN

Bulkhead Fittings are used to make quick and easy piping connections to tanks.  
PVC / EPDM 1/2" - 4" Now NSF/ANSI61 listed.



PVC/EPDM 1/2" - 3"

## PVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFAS1005CFS	\$25.50
	Thd. x Thd.	BFAS1005TFS	\$30.15
3/4"	Skt. x Thd.	BFAS1007CFS	\$27.55
	Thd. x Thd.	BFAS1007TFS	\$32.35
1"	Skt. x Thd.	BFAS1010CFS	\$31.50
	Thd. x Thd.	BFAS1010TFS	\$36.50
1-1/4"	Skt. x Thd.	BFAS1012CFS	\$37.65
	Thd. x Thd.	BFAS1012TFS	\$44.05
1-1/2"	Skt. x Thd.	BFAS1015CFS	\$37.65
	Thd. x Thd.	BFAS1015TFS	\$47.15
2"	Skt. x Thd.	BFAS1020CFS	\$62.30
	Thd. x Thd.	BFAS1020TFS	\$71.30
3"	Skt. x Thd.	BFAS1030CFS	\$111.10
	Thd. x Thd.	BFAS1030TFS	\$123.00
4"	Skt. x Thd.	BFAS1040CFS	\$285.80
	Thd. x Thd.	BFAS1040TFS	\$302.05

## PVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFAS1005CES	\$15.95
	Thd. x Thd.	BFAS1005TES	\$20.55
3/4"	Skt. x Thd.	BFAS1007CES	\$17.65
	Thd. x Thd.	BFAS1007TES	\$22.60
1"	Skt. x Thd.	BFAS1010CES	\$19.35
	Thd. x Thd.	BFAS1010TES	\$24.40
1-1/4"	Skt. x Thd.	BFAS1012CES	\$25.65
	Thd. x Thd.	BFAS1012TES	\$33.20
1-1/2"	Skt. x Thd.	BFAS1015CES	\$25.65
	Thd. x Thd.	BFAS1015TES	\$35.20
2"	Skt. x Thd.	BFAS1020CES	\$38.25
	Thd. x Thd.	BFAS1020TES	\$46.90
3"	Skt. x Thd.	BFAS1030CES	\$71.50
	Thd. x Thd.	BFAS1030TES	\$83.25
4"	Skt. x Thd.	BFAS1040CES	\$140.55
	Thd. x Thd.	BFAS1040TES	\$157.05

## CPVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFAS2005CFS	\$31.10
3/4"	Skt. x Thd.	BFAS2007CFS	\$35.20
1"	Skt. x Thd.	BFAS2010CFS	\$41.10
1-1/4"	Skt. x Thd.	BFAS2012CFS	\$41.40
1-1/2"	Skt. x Thd.	BFAS2015CFS	\$51.65
2"	Skt. x Thd.	BFAS2020CFS	\$80.15
3"	Skt. x Thd.	BFAS2030CFS	\$139.35
4"	Skt. x Thd.	BFAS2040CFS	\$311.30

## CPVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFAS2005CES	\$21.50
3/4"	Skt. x Thd.	BFAS2007CES	\$25.45
1"	Skt. x Thd.	BFAS2010CES	\$29.15
1-1/4"	Skt. x Thd.	BFAS2012CES	\$31.75
1-1/2"	Skt. x Thd.	BFAS2015CES	\$39.70
2"	Skt. x Thd.	BFAS2020CES	\$56.05
3"	Skt. x Thd.	BFAS2030CES	\$98.50
4"	Skt. x Thd.	BFAS2040CES	\$165.95

## PP FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFAS3005TFS	\$36.75
3/4"	Thd. x Thd.	BFAS3007TFS	\$42.90
1"	Thd. x Thd.	BFAS3010TFS	\$55.10
1-1/4"	Thd. x Thd.	BFAS3012TFS	\$66.65
1-1/2"	Thd. x Thd.	BFAS3015TFS	\$66.65
2"	Thd. x Thd.	BFAS3020TFS	\$108.90
3"	Thd. x Thd.	BFAS3030TFS	\$194.80
4"	Thd. x Thd.	BFAS3040TFS	\$343.00

## PP EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFAS3005TES	\$27.90
3/4"	Thd. x Thd.	BFAS3007TES	\$33.35
1"	Thd. x Thd.	BFAS3010TES	\$42.90
1-1/4"	Thd. x Thd.	BFAS3012TES	\$54.60
1-1/2"	Thd. x Thd.	BFAS3015TES	\$54.60
2"	Thd. x Thd.	BFAS3020TES	\$84.80
3"	Thd. x Thd.	BFAS3030TES	\$170.15
4"	Thd. x Thd.	BFAS3040TES	\$318.40





# BFA SERIES BULKHEAD FITTINGS STANDARD FLANGE

Bulkhead Fittings are used to make quick and easy piping connections to tanks.



## PVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA1005CFS	\$25.50	1-1/2"	Skt. x Thd.	BFA1015CFS	\$37.65
	Skt. x Skt.	BFA1005SFS	\$25.50		Skt. x Skt.	BFA1015SFS	\$37.65
	Thd. x Thd.	BFA1005TFS	\$30.15		Thd. x Thd.	BFA1015TFS	\$47.15
3/4"	Skt. x Thd.	BFA1007CFS	\$27.55	2"	Skt. x Thd.	BFA1020CFS	\$62.30
	Skt. x Skt.	BFA1007SFS	\$27.55		Skt. x Skt.	BFA1020SFS	\$62.30
	Thd. x Thd.	BFA1007TFS	\$32.35		Thd. x Thd.	BFA1020TFS	\$71.30
1"	Skt. x Thd.	BFA1010CFS	\$31.50	3"	Skt. x Thd.	BFA1030CFS	\$112.20
	Skt. x Skt.	BFA1010SFS	\$31.50		Skt. x Skt.	BFA1030SFS	\$112.20
	Thd. x Thd.	BFA1010TFS	\$36.50		Thd. x Thd.	BFA1030TFS	\$124.15
1-1/4"	Skt. x Thd.	BFA1012CFS	\$37.65	4"	Skt. x Thd.	BFA1040CFS	\$288.60
	Skt. x Skt.	BFA1012SFS	\$37.65		Skt. x Skt.	BFA1040SFS	\$288.60
	Thd. x Thd.	BFA1012TFS	\$44.05		Thd. x Thd.	BFA1040TFS	\$305.00
				6"	Skt. x Thd.	BFA1060CFS	\$561.90
					Skt. x Skt.	BFA1060SFS	\$561.90
					Thd. x Thd.	BFA1060TFS	\$561.90

## PVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA1005CES	\$15.95	1-1/2"	Skt. x Thd.	BFA1015CES	\$25.65
	Skt. x Skt.	BFA1005SES	\$15.95		Skt. x Skt.	BFA1015SES	\$25.65
	Thd. x Thd.	BFA1005TES	\$20.55		Thd. x Thd.	BFA1015TES	\$35.20
3/4"	Skt. x Thd.	BFA1007CES	\$17.65	2"	Skt. x Thd.	BFA1020CES	\$38.25
	Skt. x Skt.	BFA1007SES	\$17.65		Skt. x Skt.	BFA1020SES	\$38.25
	Thd. x Thd.	BFA1007TES	\$22.60		Thd. x Thd.	BFA1020TES	\$46.90
1"	Skt. x Thd.	BFA1010CES	\$19.35	3"	Skt. x Thd.	BFA1030CES	\$71.50
	Skt. x Skt.	BFA1010SES	\$19.35		Skt. x Skt.	BFA1030SES	\$71.50
	Thd. x Thd.	BFA1010TES	\$24.40		Thd. x Thd.	BFA1030TES	\$83.25
1-1/4"	Skt. x Thd.	BFA1012CES	\$25.65	4"	Skt. x Thd.	BFA1040CES	\$140.55
	Skt. x Skt.	BFA1012SES	\$25.65		Skt. x Skt.	BFA1040SES	\$140.55
	Thd. x Thd.	BFA1012TES	\$33.20		Thd. x Thd.	BFA1040TES	\$157.05
				6"	Skt. x Thd.	BFA1060CES	\$367.15
					Skt. x Skt.	BFA1060SES	\$367.15
					Thd. x Thd.	BFA1060TES	\$367.15

## PP FPM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFA3005TFS	\$36.75	1-1/2"	Thd. x Thd.	BFA3015TFS	\$66.65
3/4"	Thd. x Thd.	BFA3007TFS	\$42.90	2"	Thd. x Thd.	BFA3020TFS	\$108.90
1"	Thd. x Thd.	BFA3010TFS	\$55.10	3"	Thd. x Thd.	BFA3030TFS	\$194.80
1-1/4"	Thd. x Thd.	BFA3012TFS	\$66.65	4"	Thd. x Thd.	BFA3040TFS	\$343.00
				6"	Thd. x Thd.	BFA3060TFS	\$895.80



# BFA SERIES BULKHEAD FITTINGS STANDARD FLANGE (cont.)

Bulkhead Fittings are used to make quick and easy piping connections to tanks.

## PP EPDM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFA3005TES	\$27.90	1-1/2"	Thd. x Thd.	BFA3015TES	\$54.60
3/4"	Thd. x Thd.	BFA3007TES	\$33.35	2"	Thd. x Thd.	BFA3020TES	\$84.80
1"	Thd. x Thd.	BFA3010TES	\$42.90	3"	Thd. x Thd.	BFA3030TES	\$170.15
1-1/4"	Thd. x Thd.	BFA3012TES	\$54.60	4"	Thd. x Thd.	BFA3040TES	\$318.40
				6"	Thd. x Thd.	BFA3060TES	\$483.65

## CPVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA2005CFS	\$31.10	1-1/2"	Skt. x Thd.	BFA2015CFS	\$51.65
	Skt. x Skt.	BFA2005SFS	\$31.10		Skt. x Skt.	BFA2015SFS	\$51.65
	Thd. x Thd.	BFA2005TFS	\$39.00		Thd. x Thd.	BFA2015TFS	\$69.40
3/4"	Skt. x Thd.	BFA2007CFS	\$35.20	2"	Skt. x Thd.	BFA2020CFS	\$80.15
	Skt. x Skt.	BFA2007SFS	\$35.20		Skt. x Skt.	BFA2020SFS	\$80.15
	Thd. x Thd.	BFA2007TFS	\$43.85		Thd. x Thd.	BFA2020TFS	\$90.45
1"	Skt. x Thd.	BFA2010CFS	\$41.10	3"	Skt. x Thd.	BFA2030CFS	\$139.35
	Skt. x Skt.	BFA2010SFS	\$41.10		Skt. x Skt.	BFA2030SFS	\$139.35
	Thd. x Thd.	BFA2010TFS	\$46.75		Thd. x Thd.	BFA2030TFS	\$158.00
1-1/4"	Skt. x Thd.	BFA2012CFS	\$51.65	4"	Skt. x Thd.	BFA2040CFS	\$311.30
	Skt. x Skt.	BFA2012SFS	\$51.65		Skt. x Skt.	BFA2040SFS	\$311.30
	Thd. x Thd.	BFA2012TFS	\$69.40		Thd. x Thd.	BFA2040TFS	\$334.85
				6"	Skt. x Thd.	BFA2060CFS	\$913.00
					Skt. x Skt.	BFA2060SFS	\$913.00
					Thd. x Thd.	BFA2060TFS	\$913.00

## CPVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA2005CES	\$21.50	1-1/2"	Skt. x Thd.	BFA2015CES	\$39.70
	Skt. x Skt.	BFA2005SES	\$21.50		Skt. x Skt.	BFA2015SES	\$39.70
	Thd. x Thd.	BFA2005TES	\$27.10		Thd. x Thd.	BFA2015TES	\$53.45
3/4"	Skt. x Thd.	BFA2007CES	\$25.45	2"	Skt. x Thd.	BFA2020CES	\$56.05
	Skt. x Skt.	BFA2007SES	\$25.45		Skt. x Skt.	BFA2020SES	\$56.05
	Thd. x Thd.	BFA2007TES	\$31.60		Thd. x Thd.	BFA2020TES	\$66.65
1"	Skt. x Thd.	BFA2010CES	\$29.15	3"	Skt. x Thd.	BFA2030CES	\$98.50
	Skt. x Skt.	BFA2010SES	\$29.15		Skt. x Skt.	BFA2030SES	\$98.50
	Thd. x Thd.	BFA2010TES	\$34.85		Thd. x Thd.	BFA2030TES	\$114.85
1-1/4"	Skt. x Thd.	BFA2012CES	\$39.70	4"	Skt. x Thd.	BFA2040CES	\$165.95
	Skt. x Skt.	BFA2012SES	\$39.70		Skt. x Skt.	BFA2040SES	\$165.95
	Thd. x Thd.	BFA2012TES	\$53.45		Thd. x Thd.	BFA2040TES	\$182.50
				6"	Skt. x Thd.	BFA2060CES	\$493.00
					Skt. x Skt.	BFA2060SES	\$493.00
					Thd. x Thd.	BFA2060TES	\$493.00



# BFA SERIES BULKHEAD FITTINGS LARGE FLANGE

Bulkhead Fittings are used to make quick and easy piping connections to tanks.

## PVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA1005CFL	<b>\$32.15</b>
	Skt. x Skt.	BFA1005SFL	<b>\$32.15</b>
	Thd. x Thd.	BFA1005TFL	<b>\$32.15</b>
3/4"	Skt. x Thd.	BFA1007CFL	<b>\$34.60</b>
	Skt. x Skt.	BFA1007SFL	<b>\$34.60</b>
	Thd. x Thd.	BFA1007TFL	<b>\$34.60</b>
1"	Skt. x Thd.	BFA1010CFL	<b>\$38.90</b>
	Skt. x Skt.	BFA1010SFL	<b>\$38.90</b>
	Thd. x Thd.	BFA1010TFL	<b>\$38.90</b>

## PVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA1005CEL	<b>\$21.85</b>
	Skt. x Skt.	BFA1005SEL	<b>\$21.85</b>
	Thd. x Thd.	BFA1005TEL	<b>\$21.85</b>
3/4"	Skt. x Thd.	BFA1007CEL	<b>\$24.00</b>
	Skt. x Skt.	BFA1007SEL	<b>\$24.00</b>
	Thd. x Thd.	BFA1007TEL	<b>\$24.00</b>
1"	Skt. x Thd.	BFA1010CEL	<b>\$26.10</b>
	Skt. x Skt.	BFA1010SEL	<b>\$26.10</b>
	Thd. x Thd.	BFA1010TEL	<b>\$26.10</b>

## CPVC FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA2005CFL	<b>\$43.00</b>
	Skt. x Skt.	BFA2005SFL	<b>\$43.00</b>
	Thd. x Thd.	BFA2005TFL	<b>\$43.00</b>
3/4"	Skt. x Thd.	BFA2007CFL	<b>\$48.20</b>
	Skt. x Skt.	BFA2007SFL	<b>\$48.20</b>
	Thd. x Thd.	BFA2007TFL	<b>\$48.20</b>
1"	Skt. x Thd.	BFA2010CFL	<b>\$51.40</b>
	Skt. x Skt.	BFA2010SFL	<b>\$51.40</b>
	Thd. x Thd.	BFA2010TFL	<b>\$51.40</b>

## CPVC EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt. x Thd.	BFA2005CEL	<b>\$29.90</b>
	Skt. x Skt.	BFA2005SEL	<b>\$29.90</b>
	Thd. x Thd.	BFA2005TEL	<b>\$29.90</b>
3/4"	Skt. x Thd.	BFA2007CEL	<b>\$34.75</b>
	Skt. x Skt.	BFA2007SEL	<b>\$34.75</b>
	Thd. x Thd.	BFA2007TEL	<b>\$34.75</b>
1"	Skt. x Thd.	BFA2010CEL	<b>\$38.45</b>
	Skt. x Skt.	BFA2010SEL	<b>\$38.45</b>
	Thd. x Thd.	BFA2010TEL	<b>\$38.45</b>

## PP FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFA3005TFL	<b>\$39.20</b>
3/4"	Thd. x Thd.	BFA3007TFL	<b>\$45.75</b>
1"	Thd. x Thd.	BFA3010TFL	<b>\$58.75</b>

## PP EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFA3005TEL	<b>\$29.90</b>
3/4"	Thd. x Thd.	BFA3007TEL	<b>\$35.70</b>
1"	Thd. x Thd.	BFA3010TEL	<b>\$45.75</b>



## CCP SERIES TANK-TITE™\*

Tank-Tite™ compression rings are made in PVC with 17.4 SS springs, and are used to provide a constant load on the gasket of the bulkhead fitting, eliminating the need to retighten the fitting! Works with BFAS & BFA Series, all material types.

### PVC

SIZE	DESCRIPTION	PART NO.	LIST PRICE
1/2"	Compression Ring with 17-7 Spring	CCP1005	\$19.15
3/4"	Compression Ring with 17-7 Spring	CCP1007	\$22.40
1"	Compression Ring with 17-7 Spring	CCP1010	\$23.65
1-1/4" - 1-1/2"	Compression Ring with 17-7 Spring	CCP1015	\$34.30
2"	Compression Ring with 17-7 Spring	CCP1020	\$39.45
3"	Compression Ring with 17-7 Spring	CCP1030	\$64.00

\* Bulkhead Fitting must be purchased separately.



## SF SERIES SELF-ALIGNING BULKHEAD FITTINGS

Self-aligning Bulkhead Fittings are used to make piping connections to the top of domed tanks. Made with EPDM gaskets. Other sizes upon request, contact Hayward for availability and pricing.

### PVC - EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1"	Thread x Thread	SF10100T	\$124.20
2"	Thread x Thread	SF10200T	\$188.40
3"	Thread x Thread	SF10300T	\$291.65

### PVC - FPM

SIZE	END CONN.	PART NO.	LIST PRICE
1"	Thread x Thread	SF10100TV	\$143.45
2"	Thread x Thread	SF10200TV	\$214.30
3"	Thread x Thread	SF10300TV	\$325.65



## "READY FLANGES"\*

Easily converts threaded or socket end connections. Conforms to ANSI 150# bolt pattern.

\*These flanges convert socket to flanged. For threaded to flanged conversion options, consult factory.

### PVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX10100PGN	\$22.60	2"	Flanged	BVX10200PGN	\$41.30
1-1/2"	Flanged	BVX10150PGN	\$33.85	3"	Flanged	BVX10300PGN	\$101.70
				4"	Flanged	BVX10400PGN	\$143.00

### CPVC

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX90100PGN	\$25.45	2"	Flanged	BVX90200PGN	\$46.60
1-1/2"	Flanged	BVX90150PGN	\$38.15	3"	Flanged	BVX90300PGN	\$115.85
				4"	Flanged	BVX90400PGN	\$162.95

### GFPP

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1"	Flanged	BVX40100PGN	\$23.90	2"	Flanged	BVX40200PGN	\$43.70
1-1/2"	Flanged	BVX40150PGN	\$35.75	3"	Flanged	BVX40300PGN	\$109.80
				4"	Flanged	BVX40400PGN	\$154.35



## TANK ADAPTER FITTINGS

1/2" to 4" GFPP - Thread x Thread

The new black GFPP tank adapter fitting offers safe, quick pipe connection to standard wall thermoplastic and metal tanks. EPDM Gasket Seal Only. For replacement gaskets refer to [page 88](#).

### GFPP - EPDM

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Thd. x Thd.	BFAS4005TES	\$13.55
3/4"	Thd. x Thd.	BFAS4007TES	\$13.55
1"	Thd. x Thd.	BFAS4010TES	\$16.45
1-1/4"	Thd. x Thd.	BFAS4012TES	\$21.80
1-1/2"	Thd. x Thd.	BFAS4015TES	\$21.80
2"	Thd. x Thd.	BFAS4020TES	\$32.45
3"	Thd. x Thd.	BFAS4030TES	\$60.80
4"	Thd. x Thd.	BFAS4040TES	\$119.50

# BFA/BFAS BULKHEAD FITTING GASKETS

Gaskets shown below will fit the BF/BFA/BFAS Series. BF Series Bulkhead Fittings (DISCONTINUED) have separate sizes for 1-1/4" & 1-1/2" **ONLY**.

## STANDARD FLANGE

SIZE	FPM GASKETS		EPDM GASKETS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	BFXAGST005F	\$13.15	BFXAGST005E	\$3.20
3/4"	BFXAGST007F	\$14.15	BFXAGST007E	\$3.20
1"	BFXAGST010F	\$16.40	BFXAGST010E	\$4.20
1-1/4"*	BFXAGST015F	\$16.40	BFXAGST015E	\$4.20
1-1/2"*	BFXAGST015F	\$16.40	BFXAGST015E	\$4.20
2"	BFXAGST020F	\$36.00	BFXAGST020E	\$8.00
3"	BFXAGST030F	\$46.85	BFXAGST030E	\$10.00
4"	BFXAGST040F	\$169.10	BFXAGST040E	\$35.75
6"	BFXAGST060F	\$179.90	BFXAGST060E	\$38.10

\* Fits BFA/BFAS Series ONLY. See BF Series table below for these size replacements in BF Series.

## LARGE FLANGE

SIZE	FPM GASKETS		EPDM GASKETS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	BFXAGST005FL	\$14.40	BFXAGST005EL	\$3.55
3/4"	BFXAGST007FL	\$15.45	BFXAGST007EL	\$3.55
1"	BFXAGST010FL	\$17.85	BFXAGST010EL	\$4.65

## BF SERIES ONLY

SIZE	FPM GASKETS		EPDM GASKETS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1-1/4"	BFXV150PP	\$16.40	BFXV0150PP	\$4.20
1-1/2"	BFXV150PP	\$16.40	BFXV0150PP	\$4.20





## SB SERIES SIMPLEX BASKET STRAINERS

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation\* will be shipped.

For 316 SSDL basket options, see [page 96](#).



### PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SB1050ST	<b>\$326.90</b>	2"	Skt/Thd**	SB1200ST	<b>\$563.80</b>
	Flanged	SB1050F	<b>\$375.85</b>		Flanged	SB1200F	<b>\$670.10</b>
3/4"	Skt/Thd**	SB1075ST	<b>\$326.90</b>	2-1/2"	Threaded	SB1250T	<b>\$1,441.75</b>
	Flanged	SB1075F	<b>\$375.85</b>		Socket	SB1250S	<b>\$1,441.75</b>
1"	Skt/Thd**	SB1100ST	<b>\$326.90</b>		Flanged	SB1250F	<b>\$1,599.95</b>
	Flanged	SB1100F	<b>\$375.85</b>	3"	Threaded	SB1300T	<b>\$1,441.75</b>
1-1/4"	Skt/Thd**	SB1125ST	<b>\$563.80</b>		Socket	SB1300S	<b>\$1,441.75</b>
	Flanged	SB1125F	<b>\$670.10</b>		Flanged	SB1300F	<b>\$1,638.65</b>
1-1/2"	Skt/Thd**	SB1150ST	<b>\$563.80</b>	4"	Threaded	SB1400T	<b>\$1,441.75</b>
	Flanged	SB1150F	<b>\$670.10</b>		Socket	SB1400S	<b>\$1,441.75</b>
				Flanged	SB1400F	<b>\$1,807.85</b>	
				6"	Flanged	SB1600FT	<b>\$4,137.15</b>
				8"	Flanged	SB1800FT	<b>\$5,450.20</b>

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.

BASKET STRAINERS

### PVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SB1050STE	<b>\$310.60</b>	2"	Skt/Thd**	SB1200STE	<b>\$536.40</b>
	Flanged	SB1050FE	<b>\$357.95</b>		Flanged	SB1200FE	<b>\$637.40</b>
3/4"	Skt/Thd**	SB1075STE	<b>\$310.60</b>	2-1/2"	Threaded	SB1250TE	<b>\$1,369.80</b>
	Flanged	SB1075FE	<b>\$357.95</b>		Socket	SB1250SE	<b>\$1,369.80</b>
1"	Skt/Thd**	SB1100STE	<b>\$310.60</b>		Flanged	SB1250FE	<b>\$1,519.75</b>
	Flanged	SB1100FE	<b>\$357.95</b>	3"	Threaded	SB1300TE	<b>\$1,369.80</b>
1-1/4"	Skt/Thd**	SB1125STE	<b>\$536.40</b>		Socket	SB1300SE	<b>\$1,369.80</b>
	Flanged	SB1125FE	<b>\$637.40</b>		Flanged	SB1300FE	<b>\$1,556.85</b>
1-1/2"	Skt/Thd**	SB1150STE	<b>\$536.40</b>	4"	Threaded	SB1400TE	<b>\$1,369.80</b>
	Flanged	SB1150FE	<b>\$637.40</b>		Socket	SB1400SE	<b>\$1,369.80</b>
				Flanged	SB1400FE	<b>\$1,729.25</b>	
				6"	Flanged	SB1600FTE	<b>\$3,930.60</b>
				8"	Flanged	SB1800FTE	<b>\$5,178.40</b>

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.



## SB SERIES SIMPLEX BASKET STRAINERS (cont.)

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation\* will be shipped.

For 316 SSTL basket options, see [page 96](#).



### CPVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SB2050ST	<b>\$523.65</b>	2"	Skt/Thd**	SB2200ST	<b>\$932.55</b>
	Flanged	SB2050F	<b>\$574.25</b>		Flanged	SB2200F	<b>\$1,050.40</b>
3/4"	Skt/Thd**	SB2075ST	<b>\$523.65</b>	2-1/2"	Threaded	SB2250T	<b>\$2,066.90</b>
	Flanged	SB2075F	<b>\$574.25</b>		Socket	SB2250S	<b>\$2,066.90</b>
1"	Skt/Thd**	SB2100ST	<b>\$523.65</b>		Flanged	SB2250F	<b>\$2,611.55</b>
	Flanged	SB2100F	<b>\$574.25</b>	3"	Threaded	SB2300T	<b>\$2,066.90</b>
1-1/4"	Skt/Thd**	SB2125ST	<b>\$932.55</b>		Socket	SB2300S	<b>\$2,066.90</b>
	Flanged	SB2125F	<b>\$1,050.40</b>	Flanged	SB2300F	<b>\$2,660.60</b>	
1-1/2"	Skt/Thd**	SB2150ST	<b>\$932.55</b>	4"	Threaded	SB2400T	<b>\$2,066.90</b>
	Flanged	SB2150F	<b>\$1,050.40</b>		Socket	SB2400S	<b>\$2,066.90</b>
				Flanged	SB2400F	<b>\$2,749.30</b>	
				6"	Flanged	SB2600FT	<b>\$5,665.25</b>
				8"	Flanged	SB2800FT	<b>\$7,464.35</b>

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.

### CPVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SB2050STE	<b>\$498.50</b>	2"	Skt/Thd**	SB2200STE	<b>\$887.35</b>
	Flanged	SB2050FE	<b>\$545.45</b>		Flanged	SB2200FE	<b>\$998.40</b>
3/4"	Skt/Thd**	SB2075STE	<b>\$498.50</b>	2-1/2"	Threaded	SB2250TE	<b>\$1,964.55</b>
	Flanged	SB2075FE	<b>\$545.45</b>		Socket	SB2250SE	<b>\$1,964.55</b>
1"	Skt/Thd**	SB2100STE	<b>\$498.50</b>		Flanged	SB2250FE	<b>\$2,481.50</b>
	Flanged	SB2100FE	<b>\$545.45</b>	3"	Threaded	SB2300TE	<b>\$1,964.55</b>
1-1/4"	Skt/Thd**	SB2125STE	<b>\$887.35</b>		Socket	SB2300SE	<b>\$1,964.55</b>
	Flanged	SB2125FE	<b>\$998.40</b>	Flanged	SB2300FE	<b>\$2,529.05</b>	
1-1/2"	Skt/Thd**	SB2150STE	<b>\$887.35</b>	4"	Threaded	SB2400TE	<b>\$1,964.55</b>
	Flanged	SB2150FE	<b>\$998.40</b>		Socket	SB2400SE	<b>\$1,964.55</b>
				Flanged	SB2400FE	<b>\$2,613.10</b>	
				6"	Flanged	SB2600FTE	<b>\$5,382.20</b>
				8"	Flanged	SB2800FTE	<b>\$7,091.10</b>

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" CPVC Strainers are supplied with both socket and threaded end connectors.



## SB SERIES SIMPLEX BASKET STRAINERS (cont.)

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation\* will be shipped.

For 316 SSTL basket options, see [page 96](#).

### GFPP FPM O-RINGS\*\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	SB4050T	\$390.15	2"	Threaded	SB4200T	\$744.35
3/4"	Threaded	SB4075T	\$431.70		Flanged	SB4200F	\$829.40
1"	Threaded	SB4100T	\$431.70	2-1/2"	Threaded	SB4250T	\$1,784.45
	Flanged	SB4100F	\$465.20		Flanged	SB4250F	\$2,112.35
1-1/4"	Threaded	SB4125T	\$744.35	3"	Threaded	SB4300T	\$1,784.45
	Flanged	SB4125F	\$829.40		Flanged	SB4300F	\$2,163.35
1-1/2"	Threaded	SB4150T	\$744.35	4"	Threaded	SB4400T	\$1,836.95
	Flanged	SB4150F	\$829.40		Flanged	SB4400F	\$2,237.65

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* EPDM available at same list price.

BASKET STRAINERS



### PLATINUM GFPP FPM O-RINGS\*\*

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	SB4P050T	\$390.15	1-1/2"	Threaded	SB4P150T	\$744.35
	Skt Fusion	SB4P050S	\$390.15		Flanged	SB4P150F	\$829.40
	DN15	Skt Fusion	SB4P015MS		\$390.15	Skt Fusion	SB4P150S
3/4"	Threaded	SB4P075T	\$431.70	DN40	Skt Fusion	SB4P040MS	\$744.35
	Skt Fusion	SB4P075S	\$431.70	2"	Threaded	SB4P200T	\$744.35
DN20	Skt Fusion	SB4P020MS	\$431.70		Flanged	SB4P200F	\$829.40
1"	Threaded	SB4P100T	\$431.70		Skt Fusion	SB4P200S	\$744.35
	Flanged	SB4P100F	\$465.20	DN50	Skt Fusion	SB4P050MS	\$744.35
	Skt Fusion	SB4P100S	\$431.70	2-1/2"	Threaded	SB4P250T	\$1,784.45
DN25	Skt Fusion	SB4P025MS	\$431.70		Flanged	SB4P250F	\$2,112.35
1-1/4"	Threaded	SB4P125T	\$744.35		Skt Fusion	SB4P250S	\$1,784.45
	Flanged	SB4P125F	\$829.40	DN65	Skt Fusion	SB4P065MS	\$1,784.45
	Skt Fusion	SB4P125S	\$744.35	3"	Threaded	SB4P300T	\$1,784.45
DN32	Skt Fusion	SB4P032MS	\$744.35		Flanged	SB4P300F	\$2,163.35
1-1/2"					Skt Fusion	SB4P300S	\$1,784.45
				DN80	Skt Fusion	SB4P080MS	\$1,784.45
				4"	Threaded	SB4P400T	\$1,784.45
					Flanged	SB4P400F	\$2,237.65
					Skt Fusion	SB4P400S	\$1,784.45
				DN100	Skt Fusion	SB4P100MS	\$1,784.45

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* EPDM available at same list price.



## SB SERIES SIMPLEX BASKET STRAINERS (cont.)

All Simplex Basket Strainers are assembled with silicone free lubricant.

Each Simplex Basket Strainer includes one plastic basket. If perforation is not specified, then standard basket perforation\* will be shipped.

For 316 SSSL basket options, see [page 96](#).

### Eastar® FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SBC050ST	<b>\$370.40</b>
	Flanged	SBC050F	<b>\$426.35</b>
3/4"	Skt/Thd**	SBC075ST	<b>\$370.40</b>
	Flanged	SBC075F	<b>\$426.35</b>
1"	Skt/Thd**	SBC100ST	<b>\$370.40</b>
	Flanged	SBC100F	<b>\$426.35</b>
1-1/4"	Skt/Thd**	SBC125ST	<b>\$639.65</b>
	Flanged	SBC125F	<b>\$759.40</b>
1-1/2"	Skt/Thd**	SBC150ST	<b>\$639.65</b>
	Flanged	SBC150F	<b>\$759.40</b>
2"	Skt/Thd**	SBC200ST	<b>\$639.65</b>
	Flanged	SBC200F	<b>\$759.40</b>
3"	Threaded	SBC300T	<b>\$1,635.90</b>
	Socket	SBC300S	<b>\$1,635.90</b>
	Flanged	SBC300F	<b>\$1,856.95</b>
4"	Threaded	SBC400T	<b>\$1,635.90</b>
	Socket	SBC400S	<b>\$1,635.90</b>
	Flanged	SBC400F	<b>\$2,048.80</b>

### Eastar® EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	SBC050STE	<b>\$351.85</b>
	Flanged	SBC050FE	<b>\$405.95</b>
3/4"	Skt/Thd**	SBC075STE	<b>\$351.85</b>
	Flanged	SBC075FE	<b>\$405.95</b>
1"	Skt/Thd**	SBC100STE	<b>\$351.85</b>
	Flanged	SBC100FE	<b>\$405.95</b>
1-1/4"	Skt/Thd**	SBC125STE	<b>\$607.95</b>
	Flanged	SBC125FE	<b>\$722.40</b>
1-1/2"	Skt/Thd**	SBC150STE	<b>\$607.95</b>
	Flanged	SBC150FE	<b>\$722.40</b>
2"	Skt/Thd**	SBC200STE	<b>\$607.95</b>
	Flanged	SBC200FE	<b>\$722.40</b>
3"	Threaded	SBC300TE	<b>\$1,554.60</b>
	Socket	SBC300SE	<b>\$1,554.60</b>
	Flanged	SBC300FE	<b>\$1,766.30</b>
4"	Threaded	SBC400TE	<b>\$1,554.60</b>
	Socket	SBC400SE	<b>\$1,554.60</b>
	Flanged	SBC400FE	<b>\$1,948.90</b>

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/4" thru 2" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" Strainers are supplied with both socket and threaded end connectors.



## DRAIN KIT FOR SB AND DB SERIES

Ideal for a more robust drain solution on SB and DB Series Strainers.  
Includes Ball Valve with locking lever, drilled ball and nipple piece.

### PVC - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD115KITV	\$207.55	2-1/2" - 4"	3/4"	SBD147KITV	\$243.60
1-1/4" - 2"	3/4"	SBD127KITV	\$216.65	6"	1"	SBD161KITV	\$335.10
				8"	1"	SBD181KITV	\$524.00

### PVC - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD115KITE	\$189.60	2-1/2" - 4"	3/4"	SBD147KITE	\$225.55
1-1/4" - 2"	3/4"	SBD127KITE	\$198.45	6"	1"	SBD161KITE	\$333.80
				8"	1"	SBD181KITE	\$506.95

### CPVC - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD215KITV	\$243.60	2-1/2" - 4"	3/4"	SBD247KITV	\$279.65
1-1/4" - 2"	3/4"	SBD227KITV	\$246.45	6"	1"	SBD261KITV	\$387.90
				8"	1"	SBD281KITV	\$541.20

### CPVC - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE	STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD215KITE	\$234.55	2-1/2" - 4"	3/4"	SBD247KITE	\$261.60
1-1/4" - 2"	3/4"	SBD227KITE	\$225.55	6"	1"	SBD261KITE	\$369.85
				8"	1"	SBD281KITE	\$558.40

### GFPP - FPM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD415KITV	\$279.75
1-1/4" - 2"	3/4"	SBD427KITV	\$306.05
2-1/2" - 4"	3/4"	SBD447KITV	\$315.75

### GFPP - EPDM

STRAINER SIZE	VALVE SIZE	PART NO.	LIST PRICE
1/2" - 1"	1/2"	SBD415KITE	\$261.70
1-1/4" - 2"	3/4"	SBD427KITE	\$261.70
2-1/2" - 4"	3/4"	SBD447KITE	\$297.75



## DB SERIES DUPLEX BASKET STRAINERS

All Duplex Basket Strainers are assembled with silicone free lubricant.

Each Duplex Basket Strainer includes two plastic baskets. If perforation is not specified, then standard basket perforation\* will be shipped with strainer.

For 316 SSTL basket options, see [page 96](#).

### PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DB1050ST	\$1,567.60	2"	Skt/Thd**	DB1200ST	\$2,440.70
	Flanged	DB1050F	\$1,605.20		Flanged	DB1200F	\$2,533.60
3/4"	Skt/Thd**	DB1075ST	\$1,567.60	2-1/2"	Threaded	DB1250T	\$6,103.70
	Flanged	DB1075F	\$1,605.20		Socket	DB1250S	\$6,103.70
1"	Skt/Thd**	DB1100ST	\$1,567.60	3"	Flanged	DB1250F	\$6,340.70
	Flanged	DB1100F	\$1,605.20		Threaded	DB1300T	\$6,103.70
1-1/4"	Skt/Thd**	DB1125ST	\$2,440.70	4"	Socket	DB1300S	\$6,103.70
	Flanged	DB1125F	\$2,533.60		Flanged	DB1300F	\$6,388.75
1-1/2"	Skt/Thd**	DB1150ST	\$2,440.70	6"	Threaded	DB1400T	\$6,103.70
	Flanged	DB1150F	\$2,533.60		Socket	DB1400S	\$6,103.70
				8"	Flanged	DB1400F	\$6,493.65
					Flanged	DB1600FT	\$15,532.95
						DB1800FT	\$19,935.50

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.

### PVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DB1050STE	\$1,490.40	2"	Skt/Thd**	DB1200STE	\$2,320.55
	Flanged	DB1050FE	\$1,525.65		Flanged	DB1200FE	\$2,407.55
3/4"	Skt/Thd**	DB1075STE	\$1,490.40	2-1/2"	Threaded	DB1250TE	\$5,800.75
	Flanged	DB1075FE	\$1,525.65		Socket	DB1250SE	\$5,800.75
1"	Skt/Thd**	DB1100STE	\$1,490.40	3"	Flanged	DB1250FE	\$6,024.25
	Flanged	DB1100FE	\$1,525.65		Threaded	DB1300TE	\$5,800.75
1-1/4"	Skt/Thd**	DB1125STE	\$2,320.55	4"	Socket	DB1300SE	\$5,800.75
	Flanged	DB1125FE	\$2,407.55		Flanged	DB1300FE	\$6,070.75
1-1/2"	Skt/Thd**	DB1150STE	\$2,320.55	6"	Threaded	DB1400TE	\$5,800.75
	Flanged	DB1150FE	\$2,407.55		Socket	DB1400SE	\$5,800.75
				8"	Flanged	DB1400FE	\$6,168.10
					Flanged	DB1600FTE	\$14,752.90
						DB1800FTE	\$18,938.05

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.





## DB SERIES DUPLEX BASKET STRAINERS (cont.)

All Duplex Basket Strainers are assembled with silicone free lubricant.

Each Duplex Basket Strainer includes two plastic baskets. If perforation is not specified, then standard basket perforation\* will be shipped with strainer.

For 316 SSSL basket options, see [page 96](#).

### CPVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DB2050ST	\$2,395.85	2"	Skt/Thd**	DB2200ST	\$3,734.50
	Flanged	DB2050F	\$2,446.40		Flanged	DB2200F	\$3,869.15
3/4"	Skt/Thd**	DB2075ST	\$2,395.85	2-1/2"	Threaded	DB2250T	\$9,209.90
	Flanged	DB2075F	\$2,446.40		Socket	DB2250S	\$9,209.90
1"	Skt/Thd**	DB2100ST	\$2,395.85		Flanged	DB2250F	\$9,684.25
	Flanged	DB2100F	\$2,446.40	3"	Threaded	DB2300T	\$9,209.90
1-1/4"	Skt/Thd**	DB2125ST	\$3,734.50		Socket	DB2300S	\$9,209.90
	Flanged	DB2125F	\$3,869.15	Flanged	DB2300F	\$9,737.75	
1-1/2"	Skt/Thd**	DB2150ST	\$3,734.50	4"	Threaded	DB2400T	\$9,209.90
	Flanged	DB2150F	\$3,869.15		Socket	DB2400S	\$9,209.90
				Flanged	DB2400F	\$9,844.80	
				6"	Flanged	DB2600FT	\$23,001.70
				8"	Flanged	DB2800FT	\$28,302.70

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" CPVC Strainers are supplied with both socket and threaded end connectors.

### CPVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DB2050STE	\$2,276.60	2"	Skt/Thd**	DB2200STE	\$3,549.40
	Flanged	DB2050FE	\$2,325.45		Flanged	DB2200FE	\$3,678.00
3/4"	Skt/Thd**	DB2075STE	\$2,276.60	2-1/2"	Threaded	DB2250TE	\$8,750.95
	Flanged	DB2075FE	\$2,325.45		Socket	DB2250SE	\$8,750.95
1"	Skt/Thd**	DB2100STE	\$2,276.60		Flanged	DB2250FE	\$9,202.35
	Flanged	DB2100FE	\$2,325.45	3"	Threaded	DB2300TE	\$8,750.95
1-1/4"	Skt/Thd**	DB2125STE	\$3,549.40		Socket	DB2300SE	\$8,750.95
	Flanged	DB2125FE	\$3,678.00	Flanged	DB2300FE	\$9,248.15	
1-1/2"	Skt/Thd**	DB2150STE	\$3,549.40	4"	Threaded	DB2400TE	\$8,750.95
	Flanged	DB2150FE	\$3,678.00		Socket	DB2400SE	\$8,750.95
				Flanged	DB2400FE	\$9,355.35	
				6"	Flanged	DB2600FTE	\$21,854.40
				8"	Flanged	DB2800FTE	\$26,887.70

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" CPVC Strainers are supplied with both socket and threaded end connectors.



## DB SERIES DUPLEX BASKET STRAINERS (cont.)

Duplex Basket Strainers made from Eastar® are clear and the strainer basket can be seen inside the housing while the strainer is in service. All Duplex Basket Strainers are assembled with silicone free lubricant.

Each Duplex Basket Strainer includes two plastic baskets. If perforation is not specified, then standard basket perforation\* will be shipped.

For 316 SSSL basket options, see table below.

### Eastar® FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DBC050ST	\$1,776.75
	Flanged	DBC050F	\$1,819.20
3/4"	Skt/Thd**	DBC075ST	\$1,776.75
	Flanged	DBC075F	\$1,819.20
1"	Skt/Thd**	DBC100ST	\$1,777.25
	Flanged	DBC100F	\$1,819.20
1-1/4"	Skt/Thd**	DBC125ST	\$2,766.35
	Flanged	DBC125F	\$2,871.65
1-1/2"	Skt/Thd**	DBC150ST	\$2,766.35
	Flanged	DBC150F	\$2,871.65
2"	Skt/Thd**	DBC200ST	\$2,766.35
	Flanged	DBC200F	\$2,871.65
3"	Threaded	DBC300T	\$6,918.15
	Socket	DBC300S	\$6,918.15
	Flanged	DBC300F	\$7,241.05
4"	Threaded	DBC400T	\$6,918.15
	Socket	DBC400S	\$6,918.15
	Flanged	DBC400F	\$7,360.05

### Eastar® EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Skt/Thd**	DBC050STE	\$1,689.20
	Flanged	DBC050FE	\$1,729.25
3/4"	Skt/Thd**	DBC075STE	\$1,689.20
	Flanged	DBC075FE	\$1,729.25
1"	Skt/Thd**	DBC100STE	\$1,689.20
	Flanged	DBC100FE	\$1,729.25
1-1/4"	Skt/Thd**	DBC125STE	\$2,630.40
	Flanged	DBC125FE	\$2,728.80
1-1/2"	Skt/Thd**	DBC150STE	\$2,630.40
	Flanged	DBC150FE	\$2,728.80
2"	Skt/Thd**	DBC200STE	\$2,630.40
	Flanged	DBC200FE	\$2,728.80
3"	Threaded	DBC300TE	\$6,578.10
	Socket	DBC300SE	\$6,578.10
	Flanged	DBC300FE	\$6,880.80
4"	Threaded	DBC400TE	\$6,578.10
	Socket	DBC400SE	\$6,578.10
	Flanged	DBC400FE	\$6,993.90

\* For 1/2", 3/4" and 1" Basket Strainers standard perforation is 1/32". For 1-1/2" thru 8" Basket Strainers standard perforation is 1/8".

\*\* 1/2" thru 2" PVC Strainers are supplied with both socket and threaded end connectors.

## OPTIONAL 316 STAINLESS STEEL BASKETS



Baskets are designed with slanted top to ensure correct installation with SB & DB Series Basket Strainers.

Each Strainer purchased is furnished with one standard thermoplastic basket (1 for Simplex, 2 for Duplex). When ordering, if you wish to replace the standard thermoplastic basket(s) with a stainless steel basket, use table below for price adders. Stainless steel baskets are made to order and are not returnable.

For part numbers and pricing for purchasing a SSSL basket separately, see [page 97](#). e.g. SB2100F with option 1/32 perf SSSL basket is SB2100FS132.

STRAINER SIZE	SUFFIX**	Mesh or Perf*	SUFFIX	200 MESH*	SUFFIX	325 MESH*
1/2" - 1"	SXXX	\$216.70	S200	\$299.40	S325	\$316.60
1-1/4" - 2"	SXXX	\$266.50	S200	\$356.90	S325	\$375.60
2-1/2" - 4"	SXXX	\$521.55	S200	\$702.60	S325	\$729.05
6"	SXXX	\$912.70	S200	\$1,139.00	S325	\$1,237.20
8"	SXXX	\$1,237.20	S200	\$1,490.40	S325	\$1,607.45

\* Price is for each basket. Duplex vessels require 2 each.

\*\* Part number is for MESH or Perf. Substitute X with MESH or Perf size.



# SB AND DB SERIES EXTRA/REPLACEMENT BASKETS

It is recommended that one spare basket per strainer be kept on hand at all times.

Stainless steel baskets are made to order and not returnable.  
Hastelloy® and Monel available, consult factory.

FOR 1/2", 3/4" AND 1"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS11001/32	\$140.75
1/16"	BS11001/16	\$140.75
1/8"	BS11001/8	\$140.75
3/16"	BS11003/16	\$140.75
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS21001/32	\$216.60
1/16"	BS21001/16	\$216.60
1/8"	BS21001/8	\$216.60
3/16"	BS21003/16	\$216.60
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS41001/32	\$177.30
1/16"	BS41001/16	\$177.30
1/8"	BS41001/8	\$177.30
3/16"	BS41003/16	\$177.30
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS71020	\$292.35
40	BS71040	\$292.35
60	BS71060	\$292.35
80	BS71080	\$292.35
100	BS710100	\$292.35
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7101/32	\$292.35
1/16"	BS7101/16	\$292.35
1/8"	BS7101/8	\$292.35
3/16"	BS7103/16	\$292.35

FOR 1-1/4", 1-1/2" AND 2"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS12001/32	\$176.95
1/16"	BS12001/16	\$176.95
1/8"	BS12001/8	\$176.95
3/16"	BS12003/16	\$176.95
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS22001/32	\$268.60
1/16"	BS22001/16	\$268.60
1/8"	BS22001/8	\$268.60
3/16"	BS22003/16	\$268.60
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS42001/32	\$222.65
1/16"	BS42001/16	\$222.65
1/8"	BS42001/8	\$222.65
3/16"	BS42003/16	\$222.65
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS72020	\$362.65
40	BS72040	\$362.65
60	BS72060	\$362.65
80	BS72080	\$362.65
100	BS720100	\$362.65
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7201/32	\$362.65
1/16"	BS7201/16	\$362.65
1/8"	BS7201/8	\$362.65
3/16"	BS7203/16	\$362.65

FOR 2-1/2", 3" AND 4"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS14001/32	\$449.65
1/16"	BS14001/16	\$449.65
1/8"	BS14001/8	\$449.65
3/16"	BS14003/16	\$449.65
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS24001/32	\$677.50
1/16"	BS24001/16	\$677.50
1/8"	BS24001/8	\$677.50
3/16"	BS24003/16	\$677.50
GFPP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS44001/32	\$566.20
1/16"	BS44001/16	\$566.20
1/8"	BS44001/8	\$566.20
3/16"	BS44003/16	\$566.20
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS74020	\$773.60
40	BS74040	\$773.60
60	BS74060	\$773.60
80	BS74080	\$773.60
100	BS740100	\$773.60
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS7401/32	\$773.60
1/16"	BS7401/16	\$773.60
1/8"	BS7401/8	\$773.60
3/16"	BS7403/16	\$773.60

BASKET STRAINERS

FOR 6"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS16001/32	\$1,276.95
1/16"	BS16001/16	\$1,276.95
1/8"	BS16001/8	\$1,276.95
3/16"	BS16003/16	\$1,276.95
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS26001/32	\$1,714.05
1/16"	BS26001/16	\$1,714.05
1/8"	BS26001/8	\$1,714.05
3/16"	BS26003/16	\$1,714.05
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS76001420	\$1,500.30
40	BS76001440	\$1,500.30
60	BS76001460	\$1,500.30
80	BS76001480	\$1,500.30
100	BS760014100	\$1,500.30
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS76001/32	\$1,605.75
1/16"	BS76001/16	\$1,605.75
1/8"	BS76001/8	\$1,605.75
3/16"	BS76003/16	\$1,605.75

FOR 8"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS18001/32	\$1,763.50
1/16"	BS18001/16	\$1,763.50
1/8"	BS18001/8	\$1,763.50
3/16"	BS18003/16	\$1,763.50
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS28001/32	\$2,364.70
1/16"	BS28001/16	\$2,364.70
1/8"	BS28001/8	\$2,364.70
3/16"	BS28003/16	\$2,364.70
316 Stainless Steel MESH**		
MESH*	PART NO.	LIST PRICE
20	BS78001420	\$2,050.00
40	BS78001440	\$2,050.00
60	BS78001460	\$2,050.00
80	BS78001480	\$2,050.00
100	BS780014100	\$2,050.00
316 Stainless Steel Perforation**		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS78001/32	\$2,195.20
1/16"	BS78001/16	\$2,195.20
1/8"	BS78001/8	\$2,195.20
3/16"	BS78003/16	\$2,195.20

FOR 200 MESH ONLY*		
SIZES	PART NO.	LIST PRICE
1/2" - 1"	BS710200	\$375.10
1-1/4" - 2"	BS720200	\$454.20
2-1/2" - 4"	BS740200	\$954.65
6"	BS760014200	\$1,726.55
8"	BS780014200	\$2,302.80

FOR 325 MESH ONLY*		
SIZES	PART NO.	LIST PRICE
1/2" - 1"	BS710325	\$392.20
1-1/4" - 2"	BS720325	\$471.80
2-1/2" - 4"	BS740325	\$981.00
6"	BS760014325	\$1,824.95
8"	BS780014325	\$2,419.80



# EXTRA/REPLACEMENT BASKETS – OLD STYLE

It is recommended that one spare basket per strainer be kept on hand at all times.

FOR 1/2", 3/4" AND 1"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS101001/32	\$146.10
1/16"	BS101001/16	\$146.10
1/8"	BS101001/8	\$146.10
3/16"	BS101003/16	\$146.10
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS201001/32	\$224.75
1/16"	BS201001/16	\$224.75
1/8"	BS201001/8	\$224.75
3/16"	BS201003/16	\$224.75
PP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS401001/32	\$248.60
1/16"	BS401001/16	\$248.60
1/8"	BS401001/8	\$248.60
3/16"	BS401003/16	\$248.60
316 Stainless Steel		
MESH*	PART NO.	LIST PRICE
20	BS701001420	\$303.40
40	BS701001440	\$303.40
60	BS701001460	\$303.40
80	BS701001480	\$303.40
100	BS7010014100	\$303.40
316 Stainless Steel Perforation		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS701001/32	\$303.40
1/16"	BS701001/16	\$303.40
1/8"	BS701001/8	\$303.40
3/16"	BS701003/16	\$303.40
FOR 1-1/2" AND 2"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS102001/32	\$183.45
1/16"	BS102001/16	\$183.45
1/8"	BS102001/8	\$183.45
3/16"	BS102003/16	\$183.45
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS202001/32	\$278.80
1/16"	BS202001/16	\$278.80
1/8"	BS202001/8	\$278.80
3/16"	BS202003/16	\$278.80
PP		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS402001/32	\$304.95
1/16"	BS402001/16	\$304.95
1/8"	BS402001/8	\$304.95
3/16"	BS402003/16	\$304.95
316 Stainless Steel		
MESH*	PART NO.	LIST PRICE
20	BS702001420	\$376.30
40	BS702001440	\$376.30
60	BS702001460	\$376.30
80	BS702001480	\$376.30
100	BS7020014100	\$376.30
316 Stainless Steel Perforation		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS702001/32	\$376.30
1/16"	BS702001/16	\$376.30
1/8"	BS702001/8	\$376.30
3/16"	BS702003/16	\$376.30

FOR 3"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS103001/32	\$411.35
1/16"	BS103001/16	\$411.35
1/8"	BS103001/8	\$411.35
3/16"	BS103003/16	\$411.35
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS203001/32	\$616.90
1/16"	BS203001/16	\$616.90
1/8"	BS203001/8	\$616.90
3/16"	BS203003/16	\$616.90
316 Stainless Steel		
MESH*	PART NO.	LIST PRICE
20	BS703001420	\$702.70
40	BS703001440	\$702.70
60	BS703001460	\$702.70
80	BS703001480	\$702.70
100	BS7030014100	\$702.70
316 Stainless Steel Perforation		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS703001/32	\$702.70
1/16"	BS703001/16	\$702.70
1/8"	BS703001/8	\$702.70
3/16"	BS703003/16	\$702.70
FOR 4"		
PVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS104001/32	\$466.70
1/16"	BS104001/16	\$466.70
1/8"	BS104001/8	\$466.70
3/16"	BS104003/16	\$466.70
CPVC		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS204001/32	\$703.00
1/16"	BS204001/16	\$703.00
1/8"	BS204001/8	\$703.00
3/16"	BS204003/16	\$703.00
316 Stainless Steel		
MESH*	PART NO.	LIST PRICE
20	BS704001420	\$802.70
40	BS704001440	\$802.70
60	BS704001460	\$802.70
80	BS704001480	\$802.70
100	BS7040014100	\$802.70
316 Stainless Steel Perforation		
PERFORATION	PART NO.	LIST PRICE
1/32"	BS704001/32	\$802.70
1/16"	BS704001/16	\$802.70
1/8"	BS704001/8	\$802.70
3/16"	BS704003/16	\$802.70



Old Style–Duplex Basket Strainer

FOR 6" AND 8" OLD STYLE SPARE PARTS, SEE [PAGE 105](#).



## YS SERIES Y-STRAINERS

All YS Series Y-Strainers have an FPM o-ring seal and are assembled with silicone free lubricant. Each YS Y-Strainer includes one 1/32" perforated thermoplastic\* screen.

*For flanged options not shown, consult factory.*

### PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS10050T	<b>\$82.65</b>	2"	Threaded	YS10200T	<b>\$218.40</b>
	Socket	YS10050S	<b>\$82.65</b>		Socket	YS10200S	<b>\$218.40</b>
3/4"	Threaded	YS10075T	<b>\$93.35</b>		Flanged	YS10200F	<b>\$362.90</b>
	Socket	YS10075S	<b>\$93.35</b>		2-1/2"	Threaded	YS10250T
1"	Threaded	YS10100T	<b>\$102.85</b>			Socket	YS10250S
	Socket	YS10100S	<b>\$102.85</b>		Flanged	YS10250F	<b>\$793.60</b>
1-1/4"	Threaded	YS10125T	<b>\$186.40</b>	3"	Threaded	YS10300T	<b>\$488.45</b>
	Socket	YS10125S	<b>\$186.40</b>		Socket	YS10300S	<b>\$488.45</b>
1-1/2"	Threaded	YS10150T	<b>\$186.40</b>	Flanged	YS10300F	<b>\$753.05</b>	
	Socket	YS10150S	<b>\$186.40</b>	4"	Threaded	YS10400T	<b>\$854.35</b>
			Socket		YS10400S	<b>\$854.35</b>	
			Flanged		YS10400F	<b>\$1,213.70</b>	

### PVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS10050TE	<b>\$82.65</b>	2"	Threaded	YS10200TE	<b>\$218.40</b>
	Socket	YS10050SE	<b>\$82.65</b>		Socket	YS10200SE	<b>\$218.40</b>
3/4"	Threaded	YS10075TE	<b>\$93.35</b>		Flanged	YS10200FE	<b>\$362.90</b>
	Socket	YS10075SE	<b>\$93.35</b>		2-1/2"	Threaded	YS10250TE
1"	Threaded	YS10100TE	<b>\$102.85</b>			Socket	YS10250SE
	Socket	YS10100SE	<b>\$102.85</b>		Flanged	YS10250FE	<b>\$793.60</b>
1-1/4"	Threaded	YS10125TE	<b>\$186.40</b>	3"	Threaded	YS10300TE	<b>\$488.45</b>
	Socket	YS10125SE	<b>\$186.40</b>		Socket	YS10300SE	<b>\$488.45</b>
1-1/2"	Threaded	YS10150TE	<b>\$186.40</b>	Flanged	YS10300FE	<b>\$753.05</b>	
	Socket	YS10150SE	<b>\$186.40</b>	4"	Threaded	YS10400TE	<b>\$854.35</b>
			Socket		YS10400SE	<b>\$854.35</b>	
			Flanged		YS10400FE	<b>\$1,213.70</b>	

Y-STRAINERS

\* To replace the standard 1/32" thermoplastic screen with another perf size thermoplastic screen OR a stainless steel screen, refer to the tables on [page 102](#). SSTL screens are made to order and are not returnable. Consult factory for 200 & 325 mesh pricing.





## YS SERIES Y-STRAINERS (cont.)

All YS Series Y-Strainers have an FPM o-ring seal and are assembled with silicone free lubricant. Each YS Y-Strainer includes one 1/32" perforated thermoplastic\* screen.

*For flanged options not shown, consult factory.*

### CPVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS20050T	\$232.55	2"	Threaded	YS20200T	\$656.85
	Socket	YS20050S	\$232.55		Socket	YS20200S	\$656.85
3/4"	Threaded	YS20075T	\$257.10		Flanged	YS20200F	\$885.90
	Socket	YS20075S	\$257.10	3"	Threaded	YS20300T	\$818.50
1"	Threaded	YS20100T	\$329.15		Socket	YS20300S	\$818.50
	Socket	YS20100S	\$329.15		Flanged	YS20300F	\$1,270.60
1-1/2"	Threaded	YS20150T	\$511.15	4"	Threaded	YS20400T	\$1,418.35
	Socket	YS20150S	\$511.15		Socket	YS20400S	\$1,418.35
					Flanged	YS20400F	\$2,036.40

### CPVC EPDM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS20050TE	\$232.55	2"	Threaded	YS20200TE	\$656.85
	Socket	YS20050SE	\$232.55		Socket	YS20200SE	\$656.85
3/4"	Threaded	YS20075TE	\$257.10		Flanged	YS20200FE	\$885.90
	Socket	YS20075SE	\$257.10	3"	Threaded	YS20300TE	\$818.50
1"	Threaded	YS20100TE	\$329.15		Socket	YS20300SE	\$818.50
	Socket	YS20100SE	\$329.15		Flanged	YS20300FE	\$1,270.60
1-1/2"	Threaded	YS20150TE	\$511.15	4"	Threaded	YS20400TE	\$1,418.35
	Socket	YS20150SE	\$511.15		Socket	YS20400SE	\$1,418.35
					Flanged	YS20400FE	\$2,036.40



### CLEAR PVC\*\* FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS00050T	\$82.65	1-1/4"	Threaded	YS00125T	\$186.40
	Socket	YS00050S	\$82.65		Socket	YS00125S	\$186.40
3/4"	Threaded	YS00075T	\$93.35	1-1/2"	Threaded	YS00150T	\$186.40
	Socket	YS00075S	\$93.35		Socket	YS00150S	\$186.40
1"	Threaded	YS00100T	\$102.85	2"	Threaded	YS00200T	\$218.40
	Socket	YS00100S	\$102.85		Socket	YS00200S	\$218.40
					Flanged	YS00200F	\$362.90

\* To replace the standard 1/32" thermoplastic screen with another perf size thermoplastic screen OR a stainless steel screen, refer to the tables on [page 102](#).  
**SSTL screens are made to order and are not returnable.** Consult factory for 200 & 325 mesh pricing.

\*\* Consult factory for pricing and availability of EPDM seals.





## YS SERIES TRUE UNION Y-STRAINERS

All YS Series Y-Strainers have an FPM o-ring seal and are assembled with silicone free lubricant. Each YS Y-Strainer includes one 1/32" perforated thermoplastic\* screen.

For EPDM or flanged options, consult factory for pricing and availability.

### PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS10050TU	\$91.45	1-1/2"***	Threaded	YS10150TU	\$204.85
	Socket	YS10050SU	\$91.45		Socket	YS10150SU	\$204.85
3/4"	Threaded	YS10075TU	\$104.05	2"	Threaded	YS10200TU	\$238.50
	Socket	YS10075SU	\$104.05		Socket	YS10200SU	\$238.50
1"	Threaded	YS10100TU	\$113.85	2-1/2"	Threaded	YS10250TU	\$390.10
	Socket	YS10100SU	\$113.85		Socket	YS10250SU	\$390.10
1-1/4"	Threaded	YS10125TU	\$195.10	3"	Threaded	YS10300TU	\$540.10
	Socket	YS10125SU	\$195.10		Socket	YS10300SU	\$540.10
				4"	Threaded	YS10400TU	\$948.10
					Socket	YS10400SU	\$948.10

### CPVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS20050TU	\$255.55	2"	Threaded	YS20200TU	\$749.85
	Socket	YS20050SU	\$255.55		Socket	YS20200SU	\$749.85
3/4"	Threaded	YS20075TU	\$284.65	2-1/2"	Threaded	YS20250TU	\$836.30
	Socket	YS20075SU	\$284.65		Socket	YS20250SU	\$836.30
1"	Threaded	YS20100TU	\$354.60	3"	Threaded	YS20300TU	\$898.70
	Socket	YS20100SU	\$354.60		Socket	YS20300SU	\$898.70
1-1/2"***	Threaded	YS20150TU	\$564.55	4"	Threaded	YS20400TU	\$1,528.45
	Socket	YS20150SU	\$564.55		Socket	YS20400SU	\$1,528.45

### CLEAR PVC FPM O-RINGS

SIZE	END CONN.	PART NO.	LIST PRICE	SIZE	END CONN.	PART NO.	LIST PRICE
1/2"	Threaded	YS00050TU	\$91.45	1-1/4"	Threaded	YS00125TU	\$195.10
	Socket	YS00050SU	\$91.45		Socket	YS00125SU	\$195.10
3/4"	Threaded	YS00075TU	\$104.05	1-1/2"***	Threaded	YS00150TU	\$204.85
	Socket	YS00075SU	\$104.05		Socket	YS00150SU	\$204.85
1"	Threaded	YS00100TU	\$113.85	2"	Threaded	YS00200TU	\$238.50
	Socket	YS00100SU	\$113.85		Socket	YS00200SU	\$238.50

\* To replace the standard 1/32" thermoplastic screen with another perf size thermoplastic screen OR a stainless steel screen, refer to the tables on [page 102](#). SSSL screens are made to order and are not returnable. Consult factory for 200 & 325 mesh pricing.

\*\* 1-1/2" unit takes a 2" screen.

# YS SERIES Y-STRAINER SCREENS

Each Y-Strainer purchased comes standard with a 1/32" perf thermoplastic screen. When ordering the Y-Strainer, if you wish to change the standard perf to another thermoplastic perf size, there will be NO ADDITIONAL CHARGE. If you wish to change the standard thermoplastic screen to a SSSL perf or mesh size screen, there will be an additional charge. The table below shows the list price to be added to your order for changing to a SSSL screen.

For Hastelloy, Monel, or 200 & 325 SSSL Mesh options, consult factory for pricing and part number information. ALL SSSL screens are made to order and are not returnable.

## SUBSTITUTE STAINLESS STEEL \* SCREENS

To change the standard thermoplastic screen to a SSSL screen, ADD the list price below to your Y-Strainer order.

SIZE	SUBSTITUTE SCREEN LIST PRICE	SIZE	SUBSTITUTE SCREEN LIST PRICE
1/2"	\$98.00	2"	\$205.25
3/4"	\$119.45	2-1/2"	\$225.75
1"	\$139.95	3"	\$225.75
1-1/4"	\$182.80	4"	\$283.60
1-1/2"*	\$182.80		

\* Specify SSSL MESH or SSSL Perf size when ordering. For 200 & 325 SSSL mesh, consult factory.

\*\* 1-1/2" true union y-strainers require a 2" screen.

## THERMOPLASTIC SCREENS

To replace or to order an extra thermoplastic screen, use table below. All thermoplastic screens are 1/32" perforation.

PVC			CPVC	
SIZE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	YSX1005022	\$31.50	YSX2005022	\$44.65
3/4"	YSX1007522	\$35.55	YSX2007522	\$54.50
1"	YSX1010022	\$40.95	YSX2010022	\$67.20
1-1/4"	YSX1015022	\$47.45	N/A	-
1-1/2"	YSX1015022	\$47.45	YSX2015022	\$84.95
2"	YSX1020022	\$78.80	YSX2020022	\$110.35
2-1/2"	YSX1030022	\$111.95	N/A	-
3"	YSX1030022	\$111.95	YSX2030022	\$171.75
4"	YSX1040022	\$139.20	YSX2040022	\$211.30

## STAINLESS STEEL PERF SCREENS

To replace or to order an extra SSSL perf screen, use table below.

316 STAINLESS STEEL			316 STAINLESS STEEL		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS70050XXX	\$125.05	2"	YS70200XXX	\$268.75
3/4"	YS70075XXX	\$149.30	2-1/2"	YS70300XXX	\$313.45
1"	YS70100XXX	\$182.80	3"	YS70300XXX	\$313.45
1-1/4"	YS70150XXX	\$231.30	4"	YS70400XXX	\$397.40
1-1/2"	YS70150XXX	\$231.30			

SSSL screens are available in perms of 1/32", 1/16", 1/8", 3/16", and 1/2". The 1/2" perf is offered ONLY on 1-1/2" & larger Y-Strainers. Substitute the perf size for the XXX in the part # table. (e.g., To choose 1/8" perf for a 1/2" y-strainer, the part # would be YS700501/8).

## STAINLESS STEEL MESH SCREENS

To replace or to order an extra SSSL Mesh screen, use table below.

PVC W/ SSSL MESH			PVC W/ SSSL MESH			PVC W/ SSSL MESH		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS17050XXX	\$153.05	1-1/4"	YS17150XXX	\$272.45	3"	YS17300XXX	\$412.30
3/4"	YS17075XXX	\$181.00	1-1/2"	YS17150XXX	\$272.45	4"	YS17400XXX	\$520.60
1"	YS17100XXX	\$218.25	2"	YS17200XXX	\$337.65			
CPVC W/ SSSL MESH			CPVC W/ SSSL MESH			CPVC W/ SSSL MESH		
SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE	SIZE	PART NO.	LIST PRICE
1/2"	YS27050XXX	\$164.20	1-1/4"	YS27150XXX	\$302.20	3"	YS27300XXX	\$460.80
3/4"	YS27075XXX	\$195.95	1-1/2"	YS27150XXX	\$302.20	4"	YS27400XXX	\$578.30
1"	YS27100XXX	\$240.75	2"	YS27200XXX	\$363.70			

SSSL Mesh screens are available in 20, 40, 60, 80 & 100. For other sizes, 200 & 325, consult factory. Substitute the mesh size for the XXX in the part # table. (e.g., To choose 20 mesh screen for a 1/2" y-strainer, the part # would be YS1705020).

# SB OR DB SERIES BASKET STRAINER PARTS

## PVC

SIZE	COVER ASSEMBLY PVC FPM		COVER ASSEMBLY PVC EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX1111ASSY	\$68.00	BSX1111ASSYE	\$60.35	SB1KIT	\$16.55	SB1KITE	\$13.90	PVC—FPM	
1-1/4"-2"	BSX1211ASSY	\$101.15	BSX1211ASSYE	\$93.35	SB2KIT	\$27.20	SB2KITE	\$20.55	BSX1PLUG2	\$29.15
2-1/2"-4"	BSX1411ASSY	\$163.20	BSX1411ASSYE	\$145.70	SB4KIT	\$66.15	SB4KITE	\$48.65	PVC—EPDM	
6"-8"	BSX1611ASSY	\$357.35	BSX1611ASSYE	\$335.95	SB6KIT	\$87.45	SB6KITE	\$62.15	BSX1PLUG2E	\$23.35

PARTS

## CPVC

SIZE	COVER ASSEMBLY CPVC FPM		COVER ASSEMBLY CPVC EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX9111ASSY	\$87.45	BSX9111ASSYE	\$75.85	SB1KIT	\$16.55	SB1KITE	\$13.90	CPVC—FPM	
1-1/4"-2"	BSX9211ASSY	\$116.60	BSX9211ASSYE	\$109.95	SB2KIT	\$27.20	SB2KITE	\$20.55	BSX9PLUG2	\$40.85
2-1/2"-4"	BSX9411ASSY	\$209.80	BSX9411ASSYE	\$193.40	SB4KIT	\$66.15	SB4KITE	\$48.65	CPVC—EPDM	
6"-8"	BSX9611ASSY	\$407.75	BSX9611ASSYE	\$384.60	SB6KIT	\$87.45	SB6KITE	\$62.15	BSX9PLUG2E	\$33.15

## GFPP

SIZE	COVER ASSEMBLY GFPP FPM		COVER ASSEMBLY GFPP EPDM		O-RING FPM		O-RING EPDM		PLUG*	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"-1"	BSX4111ASSY	\$96.20	BSX4111ASSYE	\$83.40	SB1KIT	\$16.55	SB1KITE	\$13.90	CPVC—FPM	
1-1/4"-2"	BSX4211ASSY	\$128.30	BSX4211ASSYE	\$120.90	SB2KIT	\$27.20	SB2KITE	\$20.55	BSX4PLUG2	\$45.00
2-1/2"-4"	BSX4411ASSY	\$230.85	BSX4411ASSYE	\$212.65	SB4KIT	\$66.15	SB4KITE	\$48.65	CPVC—EPDM	
6"-8"	BSX4611ASSY	\$448.55	BSX4611ASSYE	\$423.00	SB6KIT	\$87.45	SB6KITE	\$62.15	BSX4PLUG2E	\$36.45

\* Plugs fit all sizes; use FPM or EPDM part number.

WARNING - If cover ever fails due to overpressurization or water-hammer failure, entire unit needs to be replaced. Failure to replace unit after water-hammer failure, or failure due to overpressurization could result in property damage, personal injury or even death.

## PVC\*\*

SIZE	NUT		SOCKET END CONN.		THREADED END CONN.		PORT CAPS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX11002	\$14.35	SBX1EC5S	\$12.00	SBX1EC5T	\$12.00	BSX1CAP1	\$23.00
3/4"	TBX11002	\$14.35	SBX1EC7S	\$13.40	SBX1EC7T	\$13.40		
1"	TBX11002	\$14.35	ECX11S	\$15.95	ECX11T	\$15.95		
1-1/4"	TBX122	\$25.70	SBX1EC12S	\$37.05	SBX1EC12T	\$37.05	BSX1CAP2	\$29.70
1-1/2"	TBX122	\$25.70	SBX1EC15S	\$30.85	SBX1EC15T	\$30.85		
2"	TBX122	\$25.70	ECX12S	\$33.50	ECX12T	\$33.50		
2-1/2"	BSX132	\$75.10	SBX1EC25S	\$75.10	SBX1EC25T	\$75.10	BSX1CAP3	\$37.75
3"	BSX132	\$75.10	SBX1EC3S	\$109.80	SBX1EC3T	\$109.80		
4"	BSX142	\$75.85	ECX14SBS	\$117.80	ECX14TBS	\$117.80		

\*\* For Eastar® Spare Parts, refer to PVC.

## CPVC

SIZE	NUT		SOCKET END CONN.		THREADED END CONN.		PORT CAPS	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	TBX91002	\$15.10	SBX2EC5S	\$18.55	SBX2EC5T	\$18.55	BSX2CAP1	\$28.10
3/4"	TBX91002	\$15.10	SBX2EC7S	\$20.35	SBX2EC7T	\$20.35		
1"	TBX91002	\$15.10	ECX91S	\$23.75	ECX91T	\$23.75		
1-1/4"	TBX922	\$38.10	SBX2EC12S	\$40.35	SBX2EC12T	\$40.35	BSX2CAP2	\$36.75
1-1/2"	TBX922	\$38.10	SBX2EC15S	\$50.95	SBX2EC15T	\$50.95		
2"	TBX922	\$38.10	ECX92S	\$49.80	ECX92T	\$49.80		
2-1/2"	BSX932	\$72.30	SBX2EC25S	\$78.80	SBX2EC25T	\$78.80	BSX2CAP3	\$36.75
3"	BSX932	\$72.30	SBX2EC3S	\$97.70	SBX2EC3T	\$97.70		
4"	BSX942	\$97.35	ECX94SBS	\$129.35	ECX94TBS	\$129.35		

# DB SERIES BASKET STRAINERS SPARE PARTS SPOOLS & VALVES

## PVC FPM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX1100DP2	\$503.15	LAX1100DP1	\$419.40
3/4"				
1"				
1-1/4"	LAX1200DP2	\$853.30	LAX1200DP1	\$619.25
2"				
2-1/2"	LAX1300DP2	\$1,772.20	LAX1300DP1	\$1,274.95
3"				
4'	LAX1400DP2	\$1,471.55	LAX1400DP1	\$1,326.60

## PVC EPDM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX1100DP2E	\$479.50	LAX1100DP1E	\$395.70
3/4"				
1"				
1-1/4"	LAX1200DP2E	\$682.90	LAX1200DP1E	\$461.70
2"				
2-1/2"	LAX1300DP2E	\$1,730.70	LAX1300DP1E	\$1,249.60
3"				
4'	LAX1400DP2E	\$1,430.10	LAX1400DP1E	\$1,287.95

## PVC FPM AND EPDM

SIZE	STEM SLEEVE		SPOOL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	DSX11SLEEVE	\$57.70	DBX112	\$48.65
3/4"				
1"				
1-1/4"	DSX12SLEEVE	\$65.70	DBX122	\$66.45
2"				
2-1/2"	DSX13SLEEVE	\$72.85	DBX132	\$206.75
3"				
4'	DSX14SLEEVE	\$119.10	--	--

## CPVC FPM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX2100DP2	\$559.95	LAX2100DP1	\$463.15
3/4"				
1"				
1-1/4"	LAX2200DP2	\$1,054.85	LAX2200DP1	\$773.70
2"				
2-1/2"	LAX2300DP2	\$1,885.00	LAX2300DP1	\$1,582.10
3"				
4'	LAX2400DP2	\$1,885.00	LAX2400DP1	\$1,582.10

# DB SERIES BASKET STRAINERS SPARE PARTS SPOOLS & VALVES (cont.)

## CPVC EPDM

SIZE	DOUBLE STEM LATERAL		SINGLE STEM LATERAL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	LAX2100DP2E	\$534.15	LAX2100DP1E	\$440.20
3/4"				
1"				
1-1/4"	LAX2200DP2E	\$1,090.50	LAX2200DP1E	\$831.45
2"				
2-1/2"	LAX2300DP2E	\$1,885.00	LAX2300DP1E	\$1,582.10
3"				
4"	LAX2400DP2E	\$1,885.00	LAX2400DP1E	\$1,582.10

## CPVC FPM AND EPDM

SIZE	STEM SLEEVE		SPOOL	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	DSX91SLEEVE	\$59.75	DBX212	\$81.05
3/4"				
1"				
1-1/4"	DSX92SLEEVE	\$64.00	DBX222	\$92.25
2"				
2-1/2"	--	--	DBX232	\$308.10
3"				

### Old Style

## BASKET STRAINER PARTS

SIZE	PVC COVER ONLY		CPVC COVER ONLY		PP COVER ONLY		FPM COVER O-RING		EPDM COVER O-RING	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	BSX1010011	\$104.60	BSX9010011	\$157.05	-	-	ORX237V70	\$17.45	ORX237E70	\$12.65
3/4"	BSX1010011	\$104.60	BSX9010011	\$157.05	-	-	ORX237V70	\$17.45	ORX237E70	\$12.65
1"	BSX1010011	\$104.60	BSX9010011	\$157.05	BSX4010011	\$136.10	ORX237V70	\$17.45	ORX237E70	\$12.65
1-1/2"	BSX1020011	\$174.00	BSX9020011	\$262.00	BSX4020011	\$226.75	ORX353V70	\$48.30	ORX353E70	\$35.20
2"	BSX1020011	\$174.00	BSX9020011	\$262.00	BSX4020011	\$226.75	ORX353V70	\$48.30	ORX353E70	\$35.20
3"	BSX1040011	\$226.75	BSX9040011	\$343.15	-	-	ORX362V70	\$60.50	ORX362E70	\$44.00
4"	BSX1040011	\$226.75	BSX9040011	\$343.15	-	-	ORX362V70	\$60.50	ORX362E70	\$44.00
6"	BSX1611	\$261.95	-	-	-	-	ORX362V70	\$60.50	ORX362E70	\$44.00
8"	BSX1611	\$261.95	-	-	-	-	ORX362V70	\$60.50	ORX362E70	\$44.00

## YS SERIES STRAINER PARTS

### PVC AND CPVC

SIZE	CAP ONLY PVC		CAP ONLY CPVC	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	YCX1005013	\$21.65	YCX9005013	\$30.65
3/4"	YCX1007513	\$26.85	YCX9007513	\$38.15
1"	YCX1010013	\$34.60	YCX9010013	\$50.90
1-1/4"	YCX1015013	\$43.30	YCX9015013	\$61.55
1-1/2"	YCX1015013	\$43.30	YCX9015013	\$61.55
2"	YCX1020013	\$58.35	YCX9020013	\$83.20
3"	YCX1030013	\$111.55	YCX9030013	\$158.95
4"	YCX1040013	\$151.40	YCX9040013	\$215.85

SIZE	CAP FPM O-RING		CAP EPDM O-RING	
	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1/2"	ORX121V70	\$11.20	ORX121E70	\$9.05
3/4"	ORX128V70	\$11.75	ORX128E70	\$9.45
1"	ORX223V70	\$12.60	ORX223E70	\$10.10
1-1/4"	ORX229V70	\$13.80	ORX229E70	\$11.10
1-1/2"	ORX229V70	\$13.80	ORX229E70	\$11.10
2"	ORX234V70	\$14.95	ORX234E70	\$11.90
3"	ORX349V70	\$30.15	ORX349E70	\$24.15
4"	ORX357V70	\$30.15	ORX357E70	\$24.15



# FLV SERIES BAG FILTERS

All FLV bag filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.  
Filter Bags sold separately. EPDM Seals available as an option.

## GFPP DOUBLE LENGTH SIMPLEX BAG FILTERS

Double length simplex bag filters use double length 7" x 32" No. 2 bags.

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Threaded	GFPP	FLV4P2S12T4VS	\$1,884.30
1-1/2" Threaded	GFPP	FLV4P2S15T4VS	\$1,884.30
2" Threaded	GFPP	FLV4P2S20T4VS	\$1,884.30
2-1/2" Threaded*	GFPP	FLV4P2S25T4VS	\$2,543.80
3" Threaded*	GFPP	FLV4P2S30T4VS	\$2,543.80
4" Threaded*	GFPP	FLV4P2S40T4VS	\$2,826.45

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Flanged	GFPP	FLV4P2S12F4VS	\$2,543.80
1-1/2" Flanged	GFPP	FLV4P2S15F4VS	\$2,543.80
2" Flanged	GFPP	FLV4P2S20F4VS	\$2,543.80
3" Flanged*	GFPP	FLV4P2S30F4VS	\$3,203.30
4" Flanged*	GFPP	FLV4P2S40F4VS	\$3,862.70

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	CPVC	FLV4P2S12S2VS	\$2,110.50
1-1/2" Socket	CPVC	FLV4P2S15S2VS	\$2,110.50
2" Socket	CPVC	FLV4P2S20S2VS	\$2,110.50
2-1/2" Socket*	CPVC	FLV4P2S25S2VS	\$2,849.10
3" Socket*	CPVC	FLV4P2S30S2VS	\$2,849.10
4" Socket*	CPVC	FLV4P2S40S2VS	\$3,165.65

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	PVC	FLV4P2S12S1VS	\$1,978.60
1-1/2" Socket	PVC	FLV4P2S15S1VS	\$1,978.60
2" Socket	PVC	FLV4P2S20S1VS	\$1,978.60
2-1/2" Socket*	PVC	FLV4P2S25S1VS	\$2,670.95
3" Socket*	PVC	FLV4P2S30S1VS	\$2,670.95
4" Socket*	PVC	FLV4P2S40S1VS	\$2,967.70

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket Fusion	PP	FLV4P2S12S3VS	\$1,884.30
DN32 Socket Fusion	PP	FLV4P2S3MS3VS	\$1,884.30
1-1/2" Socket Fusion	PP	FLV4P2S15S3VS	\$1,884.30
DN40 Socket Fusion	PP	FLV4P2S4MS3VS	\$1,884.30
2" Socket Fusion	PP	FLV4P2S20S3VS	\$1,884.30
DN50 Socket Fusion	PP	FLV4P2S5MS3VS	\$1,884.30
2-1/2" Socket fusion*	PP	FLV4P2S25S3VS	\$2,543.80
DN65 Socket Fusion*	PP	FLV4P2S6MS3VS	\$2,543.80
3" Socket Fusion*	PP	FLV4P2S30S3VS	\$2,543.80
DN80 Socket Fusion*	PP	FLV4P2S8MS3VS	\$2,543.80
4" Socket Fusion*	PP	FLV4P2S40S3VS	\$2,826.45
DN100 Socket Fusion*	PP	FLV4P2S1MS3VS	\$2,826.45

## GFPP DOUBLE LENGTH SIMPLEX BAG FILTERS

For replacement of PP FLT series

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
2"	Female Threaded on Body/GFPP	FLV4P2S20D4VS	\$1,967.90
2"	Female Threaded on Body/GFPP Flange	FLV4P2S20DF4VS	\$2,547.45

\* Sizes 2-1/2" - 4"/DN65 - DN100 are available ONLY in double length vessels.

\*\* GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket. For Flanged, consult factory.

\*\*\* If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.





## FLV SERIES BAG FILTERS (cont.)

All FLV bag filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals.  
Filter Bags sold separately. EPDM Seals available as an option.

### GFPP SINGLE LENGTH SIMPLEX BAG FILTERS

Single length simplex bag filters use single length 7" x 16" No.1 bags.

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Threaded	GFPP	FLV4P1S12T4VS	\$1,592.00
1-1/2" Threaded	GFPP	FLV4P1S15T4VS	\$1,592.00
2" Threaded	GFPP	FLV4P1S20T4VS	\$1,592.00

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Flanged	GFPP	FLV4P1S12F4VS	\$2,149.15
1-1/2" Flanged	GFPP	FLV4P1S15F4VS	\$2,149.15
2" Flanged	GFPP	FLV4P1S20F4VS	\$2,149.15

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	CPVC	FLV4P1S12S2VS	\$1,783.00
1-1/2" Socket	CPVC	FLV4P1S15S2VS	\$1,783.00
2" Socket	CPVC	FLV4P1S20S2VS	\$1,783.00

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket	PVC	FLV4P1S12S1VS	\$1,671.55
1-1/2" Socket	PVC	FLV4P1S15S1VS	\$1,671.55
2" Socket	PVC	FLV4P1S20S1VS	\$1,671.55

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
1-1/4" Socket Fusion	PP	FLV4P1S12S3VS	\$1,592.00
DN 32 Socket Fusion	PP	FLV4P1S3MS3VS	\$1,592.00
1-1/2" Socket Fusion	PP	FLV4P1S15S3VS	\$1,592.00
DN40 Socket Fusion	PP	FLV4P1S4MS3VS	\$1,592.00
2" Socket Fusion	PP	FLV4P1S20S3VS	\$1,592.00
DN50 Socket Fusion	PP	FLV4P1S5MS3VS	\$1,592.00

### GFPP SINGLE LENGTH SIMPLEX BAG FILTERS

For replacement of PP FLT series

END CONN.	END CONN. MAT.**	PART NO.***	LIST PRICE
2"	Female Threaded on Body/GFPP	FLV4P1S20D4VS	\$1,672.30
2"	Female Threaded on Body/GFPP Flange	FLV4P1S20DF4VS	\$2,229.60

\* Sizes 2-1/2" to 4" are available ONLY in double length vessels.

\*\* GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket. For Flanged, consult factory.

\*\*\* If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.

# FLV SERIES BAG FILTERS (cont.)



## GFPP DOUBLE LENGTH DUPLEX BAG FILTERS

Each double length simplex bag filter uses double length 7" x 32" No.2 bags.

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Socket & Threaded	CPVC	FLV4P2D20ST2VS	POA
3" Socket*	CPVC	FLV4P2D30S2VS	POA
4" Socket*	CPVC	FLV4P2D40S2VS	POA

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Flanged	CPVC	FLV4P2D20F2VS	POA
3" Flanged*	CPVC	FLV4P2D30F2VS	POA
4" Flanged*	CPVC	FLV4P2D40F2VS	POA

\* Sizes 2-1/2" to 4" are available ONLY in double length vessels.

\*\* GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket and Flanged. For Flanged, consult factory.

\*\*\* If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.

## GFPP SINGLE LENGTH DUPLEX BAG FILTERS

Each single length simplex bag filter uses single length 7" x 16" No.1 bags.



END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Socket & Threaded	CPVC	FLV4P1D20ST2VS	POA

END CONN.	END CONN. MAT.**	PART NO.	LIST PRICE
2" Flanged	CPVC	FLV4P1D20F2VS	POA

\*\* GFPP end connectors are available only in threaded or flanged. PVC & CPVC end connections are available in Socket and Flanged. For Flanged, consult factory.

\*\*\* If hinged basket is required, exchange the ending suffix S with an L. The hinged basket is only recommended if regular monitoring of the process is a standard procedure, and differential pressure gauges or other means are being utilized, with a maximum differential pressure rating as stated in our FLV operating manual.



## PVC & CPVC FLV SERIES BAG FILTERS

The New FLV bag filters feature all thermoplastic PVC or CPVC construction with true union connections and FPM Seals. EPDM Seals optional, consult factory for pricing. Solid 1-pc. bag carrier. Vent valve included.

### PVC / CPVC DOUBLE LENGTH SIMPLEX BAG FILTERS

Double length simplex bag filters use single length 7" x 32" No. 2 bags.



END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	PVC	FLV12S12STV	\$1,954.90
1-1/2" True Union Socket/Threaded	PVC	FLV12S15STV	\$1,954.90
2" True Union Socket/Threaded	PVC	FLV12S20STV	\$1,954.90
2-1/2" True Union Socket	PVC	FLV12S25SV	\$2,639.10
3" True Union Socket	PVC	FLV12S30SV	\$2,639.10
4" True Union Socket	PVC	FLV12S40SV	\$2,932.30
2-1/2" True Union Threaded	PVC	FLV12S25TV	\$2,639.10
3" True Union Threaded	PVC	FLV12S30TV	\$2,639.10
4" True Union Threaded	PVC	FLV12S40TV	\$2,932.30

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	PVC	FLV12S12FV	\$2,571.05
1-1/2" True Union Flanged	PVC	FLV12S15FV	\$2,571.05
2" True Union Flanged	PVC	FLV12S20FV	\$2,571.05
2-1/2" True Union Flanged	PVC	FLV12S25FV	\$3,237.60
3" True Union Flanged	PVC	FLV12S30FV	\$3,237.60
4" True Union Flanged	PVC	FLV12S40FV	\$3,904.10

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	CPVC	FLV22S12STV	\$2,224.90
1-1/2" True Union Socket/Threaded	CPVC	FLV22S15STV	\$2,224.90
2" True Union Socket/Threaded	CPVC	FLV22S20STV	\$2,224.90
2-1/2" True Union Socket	CPVC	FLV22S25SV	\$3,003.50
3" True Union Socket	CPVC	FLV22S30SV	\$3,003.50
4" True Union Socket	CPVC	FLV22S40SV	\$3,337.20
2-1/2" True Union Threaded	CPVC	FLV22S25TV	\$3,003.50
3" True Union Threaded	CPVC	FLV22S30TV	\$3,003.50
4" True Union Threaded	CPVC	FLV22S40TV	\$3,337.20

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	CPVC	FLV22S12FV	\$2,681.70
1-1/2" True Union Flanged	CPVC	FLV22S15FV	\$2,681.70
2" True Union Flanged	CPVC	FLV22S20FV	\$2,681.70
2-1/2" True Union Flanged	CPVC	FLV22S25FV	\$3,376.90
3" True Union Flanged	CPVC	FLV22S30FV	\$3,376.90
4" True Union Flanged	CPVC	FLV22S40FV	\$4,072.00



## PVC & CPVC FLV SERIES BAG FILTERS (cont.)

### PVC / CPVC SINGLE LENGTH SIMPLEX BAG FILTERS

Single length simplex bag filters use single length 7" x 16" No. 1 bags.



END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	PVC	FLV11S12STV	\$1,820.90
1-1/2" True Union Socket/Threaded	PVC	FLV11S15STV	\$1,820.90
2" True Union Socket/Threaded	PVC	FLV11S20STV	\$1,820.90

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	PVC	FLV11S12FV	\$2,217.90
1-1/2" True Union Flanged	PVC	FLV11S15FV	\$2,217.90
2" True Union Flanged	PVC	FLV11S20FV	\$2,217.90

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Socket/Threaded	CPVC	FLV21S12STV	\$1,942.30
1-1/2" True Union Socket/Threaded	CPVC	FLV21S15STV	\$1,942.30
2" True Union Socket/Threaded	CPVC	FLV21S20STV	\$1,942.30

END CONN.	MATERIAL	PART NO.	LIST PRICE
1-1/4" True Union Flanged	CPVC	FLV21S12FV	\$2,265.60
1-1/2" True Union Flanged	CPVC	FLV21S15FV	\$2,265.60
2" True Union Flanged	CPVC	FLV21S20FV	\$2,265.60

### PVC / CPVC DUPLEX BAG FILTERS

Each double length simplex bag filter uses double length 7" x 32" No. 2 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	PVC	FLV12D20STV	\$8,756.50
3" True Union Socket	PVC	FLV12D30SV	POA
4" True Union Socket	PVC	FLV12D40SV	POA

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Flanged	PVC	FLV12D20FV	\$11,821.10
3" True Union Flanged	PVC	FLV12D30FV	POA
4" True Union Flanged	PVC	FLV12D40FV	POA

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	CPVC	FLV22D20STV	\$9,729.50
3" True Union Socket	CPVC	FLV22D30SV	POA
4" True Union Socket	CPVC	FLV22D40SV	POA

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Flanged	CPVC	FLV22D20FV	\$13,134.50
3" True Union Flanged	CPVC	FLV22D30FV	POA
4" True Union Flanged	CPVC	FLV22D40FV	POA

### PVC / CPVC DUPLEX BAG FILTERS

Each single length simplex bag filter uses single length 7" x 16" No. 1 bags.

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	PVC	FLV11D20STV	\$7,397.80
2" True Union Flanged	PVC	FLV11D20FV	\$9,987.10

END CONN.	MATERIAL	PART NO.	LIST PRICE
2" True Union Socket/Threaded	CPVC	FLV21D20STV	\$8,219.80
2" True Union Flanged	CPVC	FLV21D20FV	\$11,096.80



## FILTER BAGS

### PP, POLYESTER AND NYLON FILTER BAGS

*Sewn and Welded Construction*

**Sold by CARTON QUANTITY ONLY - 50 bags each carton\*\***

*Polypropylene needle felt bags are glazed finish and Polyester needle felt bags are singed finish.*

### PP NEEDLE FELT GLAZED FILTER BAGS – SEWN CONSTRUCTION & PP RING

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
1 micron	PO001G1PRSH	50	\$6.20	PO001G2PRSH	50	\$8.50
5 micron	PO005G1PRSH	50	\$5.25	PO005G2PRSH	50	\$6.70
10 micron	PO010G1PRSH	50	\$5.25	PO010G2PRSH	50	\$6.70
25 micron	PO025G1PRSH	50	\$5.25	PO025G2PRSH	50	\$6.70
50 micron	PO050G1PRSH	50	\$5.25	PO050G2PRSH	50	\$6.70
100 micron	PO100G1PRSH	50	\$5.25	PO100G2PRSH	50	\$6.70
200 micron	PO200G1PRSH	50	\$5.25	PO200G2PRSH	50	\$6.70

### PP NEEDLE FELT GLAZED FILTER BAGS – WELDED & PP FLANGE & PP HANDLES

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
1 micron	PO001G1PFWF	50	\$5.25	PO001G2PFWF	50	\$7.80
5 micron	PO005G1PFWF	50	\$4.40	PO005G2PFWF	50	\$6.00
10 micron	PO010G1PFWF	50	\$4.40	PO010G2PFWF	50	\$6.00
25 micron	PO025G1PFWF	50	\$4.40	PO025G2PFWF	50	\$6.00
50 micron	PO050G1PFWF	50	\$4.40	PO050G2PFWF	50	\$6.00
100 micron	PO100G1PFWF	50	\$4.40	PO100G2PFWF	50	\$6.00
200 micron	PO200G1PFWF	50	\$4.40	PO200G2PFWF	50	\$6.00

### POLYESTER NEEDLE FELT SINGED FILTER BAGS – SEWN CONSTRUCTION & PP RING

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
1 micron	PE001S1PRSH	50	\$5.90	PE001S2PRSH	50	\$8.20
5 micron	PE005S1PRSH	50	\$5.00	PE005S2PRSH	50	\$6.50
10 micron	PE010S1PRSH	50	\$5.00	PE010S2PRSH	50	\$6.50
25 micron	PE025S1PRSH	50	\$5.00	PE025S2PRSH	50	\$6.50
50 micron	PE050S1PRSH	50	\$5.00	PE050S2PRSH	50	\$6.50
100 micron	PE100S1PRSH	50	\$5.00	PE100S2PRSH	50	\$6.50
200 micron	PE200S1PRSH	50	\$5.00	PE200S2PRSH	50	\$6.50

\* FLV bag filters use single length 7" x 16" No. 1 bags or double length 7" x 32" No. 2 bags.

\*\* Surcharge of \$30 per sku to be applied on orders less than carton quantities



## FILTER BAGS (cont.)

### PP, POLYESTER AND NYLON FILTER BAGS

*Sewn and Welded Construction*

**Sold by CARTON QUANTITY ONLY - 50 bags each carton\*\***

*Polypropylene needle felt bags are of glazed finish and Polyester needle felt bags are of singed finish.*

### POLYESTER NEEDLE FELT SINGED FILTER BAGS – WELDED & PP FLANGE & PP HANDLES

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
1 micron	PE001S1PFWF	50	\$5.00	PE001S2PFWF	50	\$7.55
5 micron	PE005S1PFWF	50	\$4.20	PE005S2PFWF	50	\$5.75
10 micron	PE010S1PFWF	50	\$4.20	PE010S2PFWF	50	\$5.75
25 micron	PE025S1PFWF	50	\$4.20	PE025S2PFWF	50	\$5.75
50 micron	PE050S1PFWF	50	\$4.20	PE050S2PFWF	50	\$5.75
100 micron	PE100S1PFWF	50	\$4.20	PE100S2PFWF	50	\$5.75
200 micron	PE200S1PFWF	50	\$4.20	PE200S2PFWF	50	\$5.75

### PP MONOFILAMENT MESH FILTER BAGS – SEWN & PP RING

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
150 micron	PMO150M1PRSH	50	\$9.00	PMO150M2PRSH	50	\$12.50
400 micron	PMO400M1PRSH	50	\$9.00	PMO400M2PRSH	50	\$12.50
600 micron	PMO600M1PRSH	50	\$7.30	PMO600M2PRSH	50	\$11.80
800 micron	PMO800M1PRSH	50	\$7.30	PMO800M2PRSH	50	\$11.80

### NYLON MONOFILAMENT MESH FILTER BAGS – SEWN & PP RING

MICRON	Single Length*			Double Length*		
	PART NO.	CARTON QTY.	LIST PRICE PER BAG	PART NO.	CARTON QTY.	LIST PRICE PER BAG
150 micron	NMO150M1PRSH	50	\$8.85	NMO150M2PRSH	50	\$12.35
400 micron	NMO400M1PRSH	50	\$8.85	NMO400M2PRSH	50	\$12.35
600 micron	NMO600M1PRSH	50	\$7.20	NMO600M2PRSH	50	\$11.70
800 micron	NMO800M1PRSH	50	\$7.20	NMO800M2PRSH	50	\$11.70

\* FLV bag filters use single length 7" x 16" No. 1 bags or double length 7" x 32" No. 2 bags.

\*\* Surcharge of \$30 per sku to be applied on orders less than carton quantities





## CFLV SERIES CARTRIDGE FILTERS - SIMPLEX & DUPLEX

*FLV Cartridge Filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals. Cartridges and Cartridge Adapter Kits sold separately.*

### SIMPLEX DOUBLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONN. MAT.	PART NO.	LIST PRICE
2" Threaded	GFPP	CFLV4P2S20T4V	<b>\$1,512.30</b>
2" Flanged	GFPP	CFLV4P2S20F4V	<b>\$1,967.30</b>
3" Threaded	GFPP	CFLV4P2S30T4V	<b>\$2,172.35</b>
4" Threaded	GFPP	CFLV4P2S40T4V	<b>\$2,455.25</b>

2" Socket	CPVC	CFLV4P2S20S2V	<b>\$1,703.30</b>
3" Socket	CPVC	CFLV4P2S30S2V	<b>\$1,737.15</b>
4" Socket	CPVC	CFLV4P2S40S2V	<b>\$2,792.25</b>

2" Socket	PVC	CFLV4P2S20S1V	<b>\$1,605.25</b>
3" Socket	PVC	CFLV4P2S30S1V	<b>\$2,297.55</b>
4" Socket	PVC	CFLV4P2S40S1V	<b>\$2,594.35</b>

2" Socket Fusion	PP	CFLV4P2S20S3V	<b>\$1,512.30</b>
DN50 Socket Fusion	PP	CFLV4P2S5MS3V	<b>\$1,512.30</b>
3" Socket Fusion*	PP	CFLV4P2S30S3V	<b>\$2,172.35</b>
DN80 Socket Fusion	PP	CFLV4P2S8MS3V	<b>\$2,172.35</b>
4" Socket Fusion*	PP	CFLV4P2S40S3V	<b>\$2,455.25</b>
DN100 Socket Fusion	PP	CFLV4P2S1MS3V	<b>\$2,455.25</b>

### SIMPLEX DOUBLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	Double Length Filter Vessel With Female NPT Ports	CFLV4P2S20D4V	<b>\$1,563.55</b>
2"	Double Length Filter Vessel With GFPP Flanges	CFLV4P2S20DF4V	<b>\$2,131.95</b>



## CFLV SERIES CARTRIDGE FILTERS - SIMPLEX & DUPLEX (cont.)

*FLV Cartridge Filters feature a one piece, injection molded thermoplastic Platinum Glass Filled Polypropylene body with FPM Seals. Cartridges and Cartridge Adapter Kits sold separately.*

### SIMPLEX SINGLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONN. MAT.	PART NO.	LIST PRICE
2" Threaded	GFPP	CFLV4P1S20T4V	<b>\$1,361.55</b>
2" Socket	CPVC	CFLV4P1S20S2V	<b>\$1,552.55</b>
2" Socket	PVC	CFLV4P1S20S1V	<b>\$1,441.20</b>
2" Flanged	GFPP	CFLV4P1S20F4V	<b>\$1,817.85</b>
2" Socket Fusion	PP	CFLV4P1S20S3V	<b>\$1,361.55</b>
DN50 Socket Fusion	PP	CFLV4P1S5MS3V	<b>\$1,361.55</b>

### SIMPLEX SINGLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	Single Length Filter Vessel With Female NPT Ports	CFLV4P1S20D4V	<b>\$1,441.95</b>
2"	Single Length Filter Vessel with GFPP Flanges	CFLV4P1S20DF4V	<b>\$1,999.15</b>

### DUPLEX DOUBLE LENGTH CARTRIDGE FILTERS

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	GFPP Double Length Filter Vessel w/CPVC Socket & Threaded End Connections	CFLV4P2D20ST2V	<b>POA</b>
3"	GFPP Double Length Filter Vessel w/CPVC Socket End Connections	CFLV4P2D30S2V	<b>POA</b>
4"	GFPP Double Length Filter Vessel w/CPVC Socket End Connections	CFLV4P2D40S2V	<b>POA</b>
2"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D20F2V	<b>POA</b>
3"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D30F2V	<b>POA</b>
4"	GFPP Double Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P2D40F2V	<b>POA</b>

### DUPLEX SINGLE LENGTH CARTRIDGE FILTERS *For replacement of PP FLT series*

END CONN.	END CONNECTION/MATERIAL	PART NO.	LIST PRICE
2"	GFPP Single Length Filter Vessel w/CPVC Socket & Threaded End Connections	CFLV4P1D20ST2V	<b>POA</b>
2"	GFPP Single Length Filter Vessel w/CPVC Flanged End Connections	CFLV4P1D20F2V	<b>POA</b>



# CFLV SERIES CARTRIDGE FILTER ADAPTER KITS

The CFLV Series cartridge filter is designed to accommodate various cartridge elements. Our cartridge adapter kits are manufactured in polypropylene, and cover Hayward cartridges as well as cartridges from other manufacturers. Installation is easy and fast. For detailed installation, please follow the instruction manual included with each kit.

Cartridges are sold separately.



## CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF SINGLE (1) CARTRIDGES/HAYWARD

DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 7" x 16" (DOE)	CFLVKIT716	\$384.45
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7" x 16" (DOE) Double Stacked	CFLVKIT732	\$401.65
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7" x 30" (DOE)	CFLVKIT730	\$384.45



## CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF SINGLE (1) CARTRIDGES/OTHER MANUFACTURERS\*\*\*\*

DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 4-1/2" x 10"*** (DOE or 222 CAP)*	CFLVKIT410	\$384.45
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 4-1/2" x 30"*** (DOE or 222 CAP)*	CFLVKIT430	\$384.45
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 7-3/4" x 10"**** (DOE)	CFLVKIT810	\$384.45
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 7-3/4" x 30"**** (DOE)	CFLVKIT830	\$384.45



## CFLV SERIES CARTRIDGE FILTER ADAPTER KIT FOR INSTALLATION OF MULTIPLE (5) CARTRIDGES/HAYWARD AND OTHER MANUFACTURERS\*\*\*\*

DESCRIPTION	PART NO.	LIST PRICE
Cartridge Adapter, For Single Length Series Cartridge Filter, Cartridge 2-1/2"-2-3/4" x 10"*** (DOE or 222 CAP)*	MFLVKIT210	\$682.75
Cartridge Adapter, For Double Length Series Cartridge Filter, Cartridge 2-1/2"-2-3/4" x 30"*** (DOE or 222 CAP)*	MFLVKIT230	\$682.75

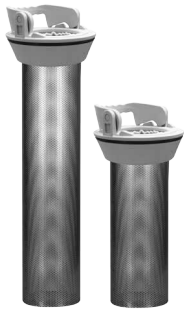
- Consult factory for other cartridge kit sizes.
- Some kits contain dual purpose components.

\* Designated adapters are designed to work with DOE and 222 End Connectors. When using 222 FIN cartridges, please contact factory for options before ordering adapters.

\*\* ID minimum of 1".

\*\*\* ID minimum of 2-5/8".

\*\*\*\* When using non-Hayward manufactured cartridges, it is suggested to check cartridge dimensions and/or consult factory for proper fit.



## FLV SERIES STAINLESS STEEL BASKETS

Available in both single and double lengths, the 316 Stainless Steel basket provides a highly efficient option for increased differential pressure conditions. The basket itself provides the structural strength required when processing highly viscous materials or when experiencing high solids loading.

The construction of this basket prevents by-pass of unprocessed fluids. With enhanced strength, it allows for a wide application range for the FLV Series bag filters. The large open area ratio, robust construction and easy installation makes this design an optimal choice for demanding chemical and corrosive applications. Features 316 SS baskets with basket ring assembly\* and FPM seals. For EPDM, add suffix "E" to Part No. List prices same as FPM. **Use with filter bag.**

If a filter vessel is needed, choose CFLV Series Filters from page [113-114](#).

### SINGLE LENGTH FLV - FPM WITH BASKET RING ASSEMBLY\*

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB701532	<b>\$1,661.50</b>

### DOUBLE LENGTH FLV - FPM WITH BASKET RING ASSEMBLY\*

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB702532	<b>\$1,786.15</b>

### SINGLE LENGTH FLV - BASKETS ONLY

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB701532BSK	<b>\$1,401.25</b>

### DOUBLE LENGTH FLV - BASKETS ONLY

PERFORATION	PART NO.	LIST PRICE
5/32"	FLVB702532BSK	<b>\$1,525.85</b>

\* Basket ring assembly will only work with SS baskets and not with GFPP baskets due to a different bag ring. Order bag ring for SS basket from [page 120](#) if using an existing GFPP basket ring assembly.



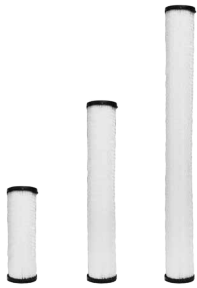
## SINGLE CARTRIDGE FILTERS FOR 2-1/2" CARTRIDGES

Used to filter fine particles from process fluid. Available in 10", 20" and 30" heights in PVC and CPVC. The single, double open-ended cartridge is not supplied with the unit and must be purchased separately. Cartridges are NOT stackable. The maximum flow rate per 10" length is 5 GPM. FPM seal is standard. Optional mounting base is available for mounting unit to floor or work surface.

Select 2-1/2" PP pleated cartridges from [page 117](#).

MATERIAL	PART NO.	INLET (FNPT)	OUTLET (MNPT)	PLEATED CARTRIDGE FILTER AREA	APPROX. SHIPPING WEIGHT	LIST PRICE
PVC - 10"	FLT110	3/4"	3/4"	4.5 sq ft	7 lbs	<b>\$452.45</b>
CPVC - 10"	FLT210	3/4"	3/4"	4.5 sq ft	7 lbs	<b>\$603.20</b>
PVC - 20"	FLT120	3/4"	3/4"	9.0 sq ft	12 lbs	<b>\$543.40</b>
CPVC - 20"	FLT220	3/4"	3/4"	9.0 sq ft	12 lbs	<b>\$754.00</b>
PVC - 30"	FLT130	3/4"	3/4"	13.5 sq ft	17 lbs	<b>\$703.80</b>
CPVC - 30"	FLT230	3/4"	3/4"	13.5 sq ft	17 lbs	<b>\$904.75</b>

Optional Base: Add suffix "B" to filter part number, List adder **\$36.95**.



# FILTER CARTRIDGES

Sold by **CARTON QUANTITY ONLY**.

Surcharge of \$30 per sku to be applied on orders less than carton quantities.

Micron ratings are nominal.

## 2-1/2" PP PLEATED CARTRIDGES - PVC DOE

10" LENGTH				30" LENGTH			
MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE	MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE
1 micron	PO001P210	25	<b>\$44.50</b>	1 micron	PO001P230	25	<b>\$89.65</b>
5 micron	PO005P210	25	<b>\$43.25</b>	5 micron	PO005P230	25	<b>\$85.00</b>
10 micron	PO010P210	25	<b>\$39.50</b>	10 micron	PO010P230	25	<b>\$80.35</b>
30 micron	PO030P210	25	<b>\$37.60</b>	30 micron	PO030P230	25	<b>\$69.95</b>

20" LENGTH			
MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE
1 micron	PO001P220	25	<b>\$64.35</b>
5 micron	PO005P220	25	<b>\$60.75</b>
10 micron	PO010P220	25	<b>\$57.50</b>
30 micron	PO030P220	25	<b>\$50.65</b>

## 7" PP PLEATED CARTRIDGES - PVC DOE

16" LENGTH				30" LENGTH			
MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE	MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE
1 micron	PO001P716	4	<b>\$257.05</b>	1 micron	PO001P730	4	<b>\$378.80</b>
5 micron	PO005P716	4	<b>\$244.90</b>	5 micron	PO005P730	4	<b>\$361.25</b>
10 micron	PO010P716	4	<b>\$209.75</b>	10 micron	PO010P730	4	<b>\$316.60</b>
30 micron	PO030P716	4	<b>\$146.15</b>	30 micron	PO030P730	4	<b>\$211.05</b>

## 7" PE CELLULOSE PLEATED CARTRIDGES - PVC DOE

16" LENGTH			
MICRON	PART NO.	CTN. QTY.	LIST PRICE PER CARTRIDGE
5 micron	PE005P716	4	<b>\$135.50</b>



# FLV, FLT & CFLV SERIES OPTIONS

## PRESSURE DIFFERENTIAL GAUGE ASSEMBLIES

Pressure Differential gauges show the difference between the inlet and outlet pressures and indicate when to change out the bag. The assemblies have tubing and a metal body that contacts the process fluid.



DESCRIPTION	PART NO.	LIST PRICE
Aluminum body with nylon polytube and quick disconnect brass nylon fittings	FLTDPAL	\$1,121.30
SS body with braided SS reinforced PTFE tubing and SS reinforced	FLTDPSS	\$1,413.50
Nema 4 rated with one SPDT switch rated at .25 amp at 120 VAC. DIN type electrical connector for use with SJ type rubber cord wire	FLTDPSW	\$281.30

**NOTE:** For drill and tap for differential gauge, add Suffix "P" to filter vessel part number. List Price Adder: **\$121.30**.

## PRESSURE DIFFERENTIAL SWITCH

Pressure differential switches are used to control a remote electrical device when a set differential pressure is reached. They must be ordered with one of the differential Pressure Gauge Assemblies shown above and are not available separately.





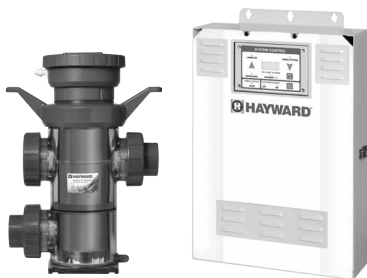
## LS SERIES AQUATIC SAND FILTER

The LS Series Aquatic Sand Filter comes in 31" and 36" spherical design. It's ideal for sensitive aquatic environments or salt water systems due to its corrosion resistant housing and base.

The LS Series features all hardware in 316 Stainless Steel, including the pressure gauge. The sand filter comes without the multiport valve, which must be ordered separately.

DESCRIPTION	FILTRATION RATE	FLOW RATE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
LS Aquatic Sand Filter 31"	4.95 ft <sup>2</sup>	99 GPM	75 / 34.09	LS311SX	\$854.05
LS Aquatic Sand Filter 36"	6.5 ft <sup>2</sup>	130 GPM	124 / 56.36	LS360SX	\$1,151.10

DESCRIPTION	POSITIONS	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
LS Aquatic Multiport Valve	6	8 / 3.64	LS0715X62	\$233.40



## UVH SERIES AQUATIC UV SYSTEM

The UVH Series Aquatic UV System consists of a clear polycarbonate thermoplastic housing with PVC true union socket end connections and an accompanying controller. The System uses multiple 254nm wavelength lamps to treat the water with UV-C light.

SIZE	DESCRIPTION	OPERATING CONFIGURATION	MAX GPM	PART NUMBER	LIST PRICE
2"	True Union Socket Inlet/Outlet	3 Lamps	75 GPM	UVHPC3S200S	\$4,500.00

**NOTE:** Consult factory for optional socket and flanged end connections.

# FLV SERIES BAG FILTER HOUSING PARTS

## GFPP FLV

DESCRIPTION	PART NO.	LIST PRICE
COVER KIT**	FLXV4P020202	\$547.55
HINGED BASKET 16" ASSY*	FLXV4P010203VL	\$1,012.70
SOLID BASKET 16" ASSY*	FLXV4P010203VS	\$1,012.70
SOLID BASKET 16" ONLY	FLXV4P1SBSK	\$636.45
HINGED BASKET 32" ASSY*	FLXV4P020203VL	\$1,073.75
SOLID BASKET 32" ASSY*	FLXV4P020203VS	\$1,073.75
SOLID BASKET 32" ONLY	FLXV4P2SBSK	\$716.60
BASKET RING ASSY	FLXV4PBASKRING	\$403.20
BAG RING FOR GFPP BASKET	FLXV4PBAGRING	\$97.20
BAG RING FOR SS BASKET	FLXV4PBAGRINGM	\$97.20
COVER O-RING	ORX449V70	\$97.00

DESCRIPTION	PART NO.	LIST PRICE
FPM SEAL KIT	FLXVKITV	\$208.60
2" GFPP PLTNM ASSY NUT	FLX4P22	\$28.50
3" GFPP PLTNM ASSY NUT	BSXP32	\$70.55
4" GFPP PLTNM ASSY NUT	BSXP42	\$85.25
1-1/4" GFPP PLTNM THD END CONNECTOR	SBXPEC12T	\$34.15
1-1/2" GFPP PLTNM THD END CONNECTOR	SBXPEC15T	\$34.15
2" GFPP PLTNM THD END CONNECTOR	ECXP20T	\$34.85
3" GFPP PLTNM THD END CONNECTOR	SBXPEC3T	\$96.70
4" GFPP PLTNM THD END CONNECTOR	ECXP4TBS	\$110.10

\* Includes basket, handle, and o-ring.

\*\* WARNING - If cover ever fails due to overpressurization or water-hammer failure, entire unit needs to be replaced. Failure to replace unit after water-hammer failure, or failure due to overpressurization could result in property damage, personal injury or even death.

# PVC & CPVC FLV SERIES BAG FILTER HOUSING PARTS

## PVC

DESCRIPTION	PART NO.	LIST PRICE
COVER ASSY	FLX1211ASSY	\$357.35
BAG RETAINER	FLX1BAGRET	\$149.35
VENT VALVE ASSY	FL1VENTASSY	\$105.60
BASKET 16"	FLX12BSKL	\$860.60
BASKET 32"	FLX12BSK	\$906.40
1-1/4" - 2" PVC ASSY NUT	TBX122	\$25.70
2-1/2" - 3" PVC ASSY NUT	BSX132	\$76.55
4" PVC ASSY NUT	BSX142	\$77.30
1-1/4" PVC SOCKET END CONNECTOR	SBX1EC12S	\$37.75
1-1/2" PVC SOCKET END CONNECTOR	SBX1EC15S	\$30.85
2" PVC SOCKET END CONNECTOR	ECX12S	\$33.50
2-1/2" PVC SOCKET END CONNECTOR	SBX1EC25S	\$75.10
3" PVC SOCKET END CONNECTOR	SBX1EC3S	\$109.80
4" PVC SOCKET END CONNECTOR	ECX14SBS	\$117.80

## CPVC

DESCRIPTION	PART NO.	LIST PRICE
COVER ASSY	FLX9211ASSY	\$407.75
BAG RETAINER	FLX2BAGRET	\$438.80
VENT VALVE ASSY	FL2VENTASSY	\$114.85
BASKET 16"	FLX22BSKL	\$1,025.60
BASKET 32"	FLX22BSK	\$1,357.80
1-1/4" - 2" CPVC ASSY NUT	TBX922	\$38.10
2-1/2" - 3" CPVC ASSY NUT	BSX932	\$72.30
4" CPVC ASSY NUT	BSX942	\$97.35
1-1/4" CPVC SOCKET END CONNECTOR	SBX2EC12S	\$40.35
1-1/2" CPVC SOCKET END CONNECTOR	SBX2EC15S	\$50.95
2" CPVC SOCKET END CONNECTOR	ECX92S	\$49.80
2-1/2" CPVC SOCKET END CONNECTOR	SBX2EC25S	\$78.80
3" CPVC SOCKET END CONNECTOR	SBX2EC3S	\$97.70
4" CPVC SOCKET END CONNECTOR	ECX94SBS	\$129.35

## PVC & CPVC

DESCRIPTION	PART NO.	LIST PRICE	DESCRIPTION	PART NO.	LIST PRICE
1-1/4" - 2" FPM SEAL KIT	FLXTKITV1	\$208.60	1-1/4" - 2" EPDM SEAL KIT	FLXTKITE1	\$199.50
2-1/2" - 4" FPM SEAL KIT	FLXTKITV2	\$213.75	2-1/2" - 4" EPDM SEAL KIT	FLXTKITE2	\$201.55

# FLT SERIES BAG FILTER HOUSING PARTS

## PVC

DESCRIPTION	PART NO.	LIST PRICE
COVER	BSX1611V	\$234.65
BAG RETAINER	FLXT125	\$342.50
FPM SEAL KIT	FLXTKITV	\$257.95
EPDM SEAL KIT	FLXTKITE	\$213.05
VENT VALVE	AV10025T	\$73.55
BASKET 16"	FLXT12BSKL	\$1,017.70
BASKET 32"	FLXT12BSK	\$1,017.70
FLANGE KIT	TUX102004F	\$155.60

## CPVC

DESCRIPTION	PART NO.	LIST PRICE
COVER	BSX9611V	\$372.05
BAG RETAINER	FLXT925	\$518.55
FPM SEAL KIT	FLXTKITV	\$257.95
EPDM SEAL KIT	FLXTKITE	\$213.05
VENT VALVE	AV20025T	\$163.70
BASKET 16"	FLXT22BSKL	\$1,213.25
BASKET 32"	FLXT22BSK	\$1,526.40
FLANGE KIT	TUX902004F	POA

## PP FLT

DESCRIPTION	PART NO.	LIST PRICE
COVER	CRXV422	\$670.55
BAG RETAINER	CRXV428	\$119.00
FPM SEAL KIT	FLXTPAKV	\$255.45
EPDM SEAL KIT	FLXTPAKE	\$210.95
VENT VALVE	FLTVENT2	\$94.85
BASKET 16"	CRXV427	\$1,118.90
BASKET 32"	CRXV425	\$1,191.00
FLANGE KIT	FLXT42FLG	\$206.60
BASKET 16" ASSY*	CRXV427A	\$1,240.20
BASKET 32" ASSY*	CRXV425A	\$1,314.90

\* Includes basket, handle and o-ring.



# TF SERIES TRUE UNION PADDLEWHEEL FLOW METER

The TF Series consists of a rugged true union industrial design that is suitable for corrosive applications. Butt-weld Ends Available Upon Request, Consult Factory for Price and Delivery.

## PVC SOCKET

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFS - Pulse + Relay	TFS1050S00	\$408.40
3/4"	TFS - Pulse + Relay	TFS1750S00	\$463.20
1"	TFS - Pulse + Relay	TFS1100S00	\$518.10
1-1/2"	TFS - Pulse + Relay	TFS1150S00	\$572.90
2"	TFS - Pulse + Relay	TFS1200S00	\$682.50

## PP THREADED

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFS - Pulse + Relay	TFS3050T00	\$463.20
3/4"	TFS - Pulse + Relay	TFS3750T00	\$518.10
1"	TFS - Pulse + Relay	TFS3100T00	\$572.90
1-1/2"	TFS - Pulse + Relay	TFS3150T00	\$627.70
2"	TFS - Pulse + Relay	TFS3200T00	\$737.30

## PVC FLANGED

SIZE	TYPE	PART NO.	LIST PRICE
3"	TFS - Pulse + Relay	TFS1300F00	\$1,504.50
4"	TFS - Pulse + Relay	TFS1400F00	\$2,409.10

## PP FLANGED

SIZE	TYPE	PART NO.	LIST PRICE
3"	TFS - Pulse + Relay	TFS3300F00	\$1,915.50
4"	TFS - Pulse + Relay	TFS3400F00	\$2,874.90

## PVC SOCKET

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFP - Pulse + Totalizer	TFP1050S00	\$660.30
3/4"	TFP - Pulse + Totalizer	TFP1750S00	\$720.60
1"	TFP - Pulse + Totalizer	TFP1100S00	\$780.90
1-1/2"	TFP - Pulse + Totalizer	TFP1150S00	\$841.20
2"	TFP - Pulse + Totalizer	TFP1200S00	\$931.70

## PP THREADED

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFP - Pulse + Totalizer	TFP3050T00	\$764.30
3/4"	TFP - Pulse + Totalizer	TFP3750T00	\$828.20
1"	TFP - Pulse + Totalizer	TFP3100T00	\$892.20
1-1/2"	TFP - Pulse + Totalizer	TFP3150T00	\$956.20
2"	TFP - Pulse + Totalizer	TFP3200T00	\$988.10

## PVC SOCKET

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFM - Pulse + Totalizer + 4-20mA	TFM1050S00	\$750.80
3/4"	TFM - Pulse + Totalizer + 4-20mA	TFM1750S00	\$811.10
1"	TFM - Pulse + Totalizer + 4-20mA	TFM1100S00	\$871.40
1-1/2"	TFM - Pulse + Totalizer + 4-20mA	TFM1150S00	\$931.70
2"	TFM - Pulse + Totalizer + 4-20mA	TFM1200S00	\$1,052.30

## PP THREADED

SIZE	TYPE	PART NO.	LIST PRICE
1/2"	TFM - Pulse + Totalizer + 4-20mA	TFM3050T00	\$892.20
3/4"	TFM - Pulse + Totalizer + 4-20mA	TFM3750T00	\$956.20
1"	TFM - Pulse + Totalizer + 4-20mA	TFM3100T00	\$1,020.10
1-1/2"	TFM - Pulse + Totalizer + 4-20mA	TFM3150T00	\$1,084.10
2"	TFM - Pulse + Totalizer + 4-20mA	TFM3200T00	\$1,180.00

Note: Butt fusion end connection available upon request.



## TFD SERIES PADDLEWHEEL FLOW METER, TOTALIZER AND TRANSMITTER WITH ALERT ALARM

Corrosion resistant all thermoplastic wetted parts - PVDF body, zirconium dioxide ceramic shaft and PFA paddle. Large digital display changes from green to red when in alarm state. Dual output relays - 4-20 mA output standard.

PIPE SIZE	PART NO.	LIST PRICE
1/2" - 4"	TFD5023NNF8	\$931.90
6" - 24"	TFD5123NNF8	\$931.90



## TFT SERIES INSERTION PADDLEWHEEL FLOW METER

Features either a Direct Cable connection or a DIN connector.

### PP DIN CONNECTOR

PIPE SIZE	PART NO.	LIST PRICE
1/2" - 4"	TFT30DF	\$522.25
6" - 24"	TFT31DF	\$543.15

### PP 26'/8M ELECTRICAL CABLE

PIPE SIZE	PART NO.	LIST PRICE
1/2" - 4"	TFT30EF	\$491.50
6" - 24"	TFT31EF	\$511.20

### PVDF DIN CONNECTOR

PIPE SIZE	PART NO.	LIST PRICE
1/2" - 4"	TFT50DF	\$614.40
6" - 24"	TFT51DF	\$639.00

## PLASTIC INSERTION TEES AND CLAMP ON SADDLES FOR TFD AND TFT FLOW METERS

### TEE - PVC

PIPE SIZE	PART NO.	LIST PRICE
1"	TFT110	\$164.50
1-1/2"	TFT115	\$171.30
2"	TFT120	\$180.50
3"	TFT130	\$203.30
4"	TFT140	\$249.00

### TEE - CPVC

PIPE SIZE	PART NO.	LIST PRICE
1"	TFT210	\$180.50
1-1/2"	TFT215	\$194.20
2"	TFT220	\$203.30
3"	TFT230	\$340.30
4"	TFT240	\$386.00

### SADDLES PPG WITH 316SS BOLTS

PIPE SIZE	PART NO.	LIST PRICE	PIPE SIZE	PART NO.	LIST PRICE
2"	TFTS320	\$111.90	10"	TFTS310	\$431.70
3"	TFTS330	\$157.60	12"	TFTS312	\$500.20
4"	TFTS340	\$180.50	14"	TFTS314	\$637.30
6"	TFTS360	\$203.30	16"	TFTS316	\$728.70
8"	TFTS380	\$340.30			



## HLS SERIES ADVANCED PRESSURE LEVEL TRANSMITTER



Employs advanced design features to ensure highly accurate and repeatable measurements in a wide range of liquid applications. CPVC housing material.

ELASTOMER MATERIAL	MAX LEVEL FT/H <sub>2</sub> O	CABLE LENGTH	PART NO.	LIST PRICE
EPDM	15'	30'	HLS211E000	\$761.55
FPM	15'	30'	HLS211F000	\$761.55
EPDM	33'	50'	HLS222E000	\$859.00
FPM	33'	50'	HLS222F000	\$859.00



## TLU SERIES INDUSTRIAL LEVEL PRESSURE SENSOR

Designed for continuous level measurement for aggressive liquid media.

HOUSING MATERIAL	MAX LEVEL FT/H <sub>2</sub> O	CABLE LENGTH	PART NO.	LIST PRICE
PVC	34'	49'	TLU1251A2115115	\$793.10
PP	34'	49'	TLU3251A2115115	\$1,091.20
PVDF	34'	49'	TLU5251A2115115	\$1,454.70

Note: Cable length above 15M/49' available upon request.



## TLF SERIES PRESSURE LEVEL JUNCTION BOX

Glass reinforced polypropylene housing for high impact resistance suitable for use with all TL Series sensors. NEMA 4X. Mounts on top of tank - supports level sensor and provides terminal block.

CONNECTION SIZE	PART NO.	LIST PRICE
2"	TLF100	\$304.00



## VSA SERIES INDUSTRIAL VISUAL/AUDIBLE SENTRY ALARM SYSTEM

High Intensity Red Light and Audible Alarm. Rugged NEMA 4X Industrial Enclosure. Works off relay from remote device. 120 VAC Powered.

PART NO.	LIST PRICE
VSA-1000	\$539.70



## HLST SERIES LEVEL PROCESS DISPLAY



OUTPUT	PART NO.	LIST PRICE
Dual 4-20 mA	HLST200	\$710.10



## TLC SERIES LEVEL PROCESS DISPLAY

*NEMA 4X Level Indicating Transmitter with relay(s) and analog output (-29 models). Features bright adjustable display and 120 VAC power.*

OUTPUT	PART NO.	LIST PRICE
2 Relay	TLC550-21	\$662.60
4-20 + 1 Relay	TLC550-29	\$713.80
2 Relay/6 Digit Display	TLC650-21	\$736.20
4-20 + 1 Relay/6 Digit Display	TLC650-29	\$793.10



## TLM SERIES INDUSTRIAL LEVEL CONTROLLER

*Panel-mount Level Indicating Transmitter, bright, adjustable display with relays and analog output. 120 VAC power.*

OUTPUT	PART NO.	LIST PRICE
2 Relay/4-20mA	TLM450-33	\$655.10
4 Relay/4-20mA	TLM450-41	\$600.30
Enclosure NEMA 4X Option for 450	TNC100	\$238.20



## TLV SERIES FLOW DISPLAY, BATCHER & TOTALIZER

*NEMA 4X Indicating Flow Batching Transmitter, with bright, adjustable display, relay(s) and analog output. 120 VAC power.*

INPUT	OUTPUT	PART NO.	LIST PRICE
Pulse	2 Relay	TLV450	\$764.70
Pulse	4-20 mA + 1 Relay	TLV475	\$764.70
4-20 mA	2 Relay	TLV500	\$764.70



## OPTIONAL INFRARED REMOTE CONTROLLER FOR TLC/TLV SERIES

PART NO.	LIST PRICE
TRS15	\$120.60



# GG SERIES GAUGES AND GAUGE GUARDS

## GAUGE GUARD ONLY - NO GAUGE INSTALLED

All Gauge Guards have an FPM diaphragm and are rated to 150 PSI at 70 °F.



SIZE	MATERIAL	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	GG125X25	<b>\$85.00</b>
1/4" X 1/2"	PVC	GG125X50	<b>\$85.00</b>
1/4" X 1/4'	CPVC	GG225X25	<b>\$101.35</b>
1/4" x 1/2"	CPVC	GG225X50	<b>\$101.35</b>
1/4" x 1/4"	PP	GG3025X25	<b>\$119.70</b>
1/4" x 1/2"	PVDF	GG5025X50	<b>\$133.70</b>

## GAUGE GUARD WITH STANDARD GAUGE\* INSTALLED



SIZE	MATERIAL	GAUGE	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	0 to 30 PSI	GG125X25030	<b>\$135.30</b>
1/4" X 1/4"	PVC	0 to 60 PSI	GG125X25060	<b>\$135.30</b>
1/4" X 1/4'	PVC	0 to 160 PSI	GG125X25160	<b>\$135.30</b>
1/4" x 1/2"	PVC	0 to 30 PSI	GG125X50030	<b>\$135.30</b>
1/4" x 1/2"	PVC	0 to 60 PSI	GG125X50060	<b>\$135.30</b>
1/4" x 1/2"	PVC	0 to 160 PSI	GG125X50160	<b>\$135.30</b>
1/4" X 1/4"	CPVC	0 to 30 PSI	GG225X25030	<b>\$151.40</b>
1/4" X 1/4"	CPVC	0 to 60 PSI	GG225X25060	<b>\$151.40</b>
1/4" X 1/4'	CPVC	0 to 160 PSI	GG225X25160	<b>\$151.40</b>
1/4" x 1/2"	CPVC	0 to 30 PSI	GG225X50030	<b>\$152.85</b>
1/4" x 1/2"	CPVC	0 to 60 PSI	GG225X50060	<b>\$152.85</b>
1/4" x 1/2"	CPVC	0 to 160 PSI	GG225X50160	<b>\$152.85</b>
1/4" X 1/4"	PP	0 to 30 PSI	GG303025	<b>\$156.75</b>
1/4" X 1/4"	PP	0 to 60 PSI	GG306025	<b>\$156.75</b>
1/4" X 1/4'	PP	0 to 160 PSI	GG316025	<b>\$156.75</b>
1/4" X 1/2"	PVDF	0 to 160 PSI	GG516050	<b>\$172.85</b>

\* Shipped assembled: Gauge (not liquid-filled) is attached to Guard which is filled with hydraulic fluid.

## STANDARD GAUGES ONLY

Gauges are dual faced (PSI & kg/cm<sup>2</sup>) and are available in three different PSI ratings.



SIZE	GAUGE	PART NO.	LIST PRICE
2"	0 to 30 PSI	GG030DUAL	<b>\$41.75</b>
2"	0 to 60 PSI	GG060DUAL	<b>\$41.75</b>
2'	0 to 160 PSI	GG160DUAL	<b>\$48.40</b>

## GAUGE GUARD W/STAINLESS STEEL LIQUID FILLED GAUGE\* INSTALLED



SIZE	MATERIAL	GAUGE	PART NO.	LIST PRICE
1/4" X 1/4"	PVC	0 to 160 PSI	GG125X25160SL	<b>\$170.30</b>
1/4" X 1/2"	PVC	0 to 160 PSI	GG125X50160SL	<b>\$170.30</b>
1/4" X 1/4'	CPVC	0 to 160 PSI	GG225X25160SL	<b>\$187.55</b>
1/4" x 1/2"	CPVC	0 to 160 PSI	GG225X50160SL	<b>\$187.55</b>
1/4" x 1/4"	PP	0 to 160 PSI	GG316025SL	<b>\$190.75</b>
1/4" x 1/2"	PVDF	0 to 160 PSI	GG516050SL	<b>\$212.95</b>

\* Shipped assembled: Gauge (Glycerin-filled) is attached to Guard (filled with hydraulic fluid).

## STAINLESS STEEL LIQUID FILLED GAUGES ONLY

Gauge has stainless steel housing and is liquid-filled. Gauge face shows dual rating of PSI and kg/cm<sup>2</sup>. Available in 160 PSI only.



SIZE	GAUGE	PART NO.	LIST PRICE
2-1/2"	0 to 160 PSI	GG160DUALFILL	<b>\$87.20</b>



## GA SERIES PRESSURE GAUGE

One-piece molded body (no assembly). Heavy duty design; simple to install.

MATERIAL	PSI	PART NO.	LIST PRICE
PP	60	GA305060	\$42.80
PP	100	GA3050100	\$42.80
PP	160	GA3050160	\$42.80
PVDF	60	GA505060	\$176.80
PVDF	100	GA5050100	\$176.80
PVDF	160	GA5050160	\$176.80



## GD SERIES DIGITAL LED PRESSURE ALARM

Indicating Pressure Transmitter, bright LED display that changes colors to indicate alarm condition. Two 3A relays and one analog output. NEMA 4X, 24 VDC powered.

CABLE	OUTPUT	PART NO.	LIST PRICE
2M	4-20mA	GD132N22	\$483.80
2M	RS-485	GD132Y22	\$483.80
2M*	4-20mA	GD132N52	\$483.80
2M*	RS-485	GD132Y52	\$483.80

\* Includes Isolator



## GDS SERIES DOUBLE SIDED PRESSURE GAUGE

Allows for easy monitoring in tight spots.

MATERIAL	PSI	PART NO.	LIST PRICE
PP	60	GDS305060	\$96.80
PP	100	GDS3050100	\$96.80
PP	160	GDS3050160	\$96.80
PVDF	60	GDS505060	\$232.80
PVDF	100	GDS5050100	\$232.80
PVDF	160	GDS5050160	\$472.50



## GLD SERIES LED PRESSURE GAUGE

All Thermoplastic Construction (Gauge + Isolator). Heavy Duty One-Piece Molded Design (No Assembly Required).

LED DISPLAY, 24 VDC POWERED, 2 X OC + 4-20 MA

MATERIAL	PART NO.	LIST PRICE
PP	GLD3050LE	\$232.80
PVDF	GLD5050LE	POA
PP*	GLD30250LEP	\$519.80

\* Panel mount display.



## ANALOG INTERFACE

# Z SERIES SOLENOID DIAPHRAGM METERING PUMPS

The Z Series Solenoid Diaphragm Metering Pumps brings simplicity to your metering pump needs in all aspects of design, function and performance. The Z Series features only one design configuration, with front facing controls and tube connections, allowing for easy and flexible installation. Complete Kit includes PVDF foot valve, PVDF injection valve and tubing, floor stand and wall bracket.

ZMA - CONSTANT DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	Part No.	List Price
100	160	ZMA1000V-000	\$620.30	ZMA1000E-000	\$620.30
200	300	ZMA2000V-000	\$686.10	ZMA2000E-000	\$686.10
500	300	ZMA5000V-000	\$955.50	ZMA5000E-000	\$955.50

ZPA - PROPORTIONAL DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZPA1000V-000	\$822.10	ZPA1000E-000	\$822.10
200	300	ZPA2000V-000	\$948.60	ZPA2000E-000	\$948.60
500	300	ZPA5000V-000	\$1,230.90	ZPA5000E-000	\$1,230.90

ZTA - TIMED DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZTA1000V-000	\$723.70	ZTA1000E-000	\$723.70
200	300	ZTA2000V-000	\$774.70	ZTA2000E-000	\$774.70
500	300	ZTA5000V-000	\$1,078.80	ZTA5000E-000	\$1,078.80



## DIGITAL INTERFACE

The Z Series intuitive digital programming menus are self explanatory and reduce programming time. With its Intelligent Display feature, once a function is selected the pump will only display the parameters to set. Complete Kit includes PVDF foot valve, PVDF injection valve and tubing, floor stand and wall bracket.

ZPD - CONSTANT DOSAGE		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZPD1000V-000	\$789.00	ZPD1000E-000	\$789.00
200	300	ZPD2000V-000	\$835.90	ZPD2000E-000	\$835.90
500	300	ZPD5000V-000	\$1,112.90	ZPD5000E-000	\$1,112.90

ZRD - PH/REDOX CONTROL		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZRD1000V-000	\$902.10	ZRD1000E-000	\$902.10
200	300	ZRD2000V-000	\$984.90	ZRD2000E-000	\$984.90
500	300	ZRD5000V-000	\$1,231.20	ZRD5000E-000	\$1,231.20

ZKD - CONSTANT FLOW & TIMER		FPM SEALS		EPDM SEALS	
SIZE	FREQUENCY MAX (STROKE/MIN)	PART NO.	LIST PRICE	PART NO.	LIST PRICE
100	160	ZKD1000V-000	\$992.20	ZKD1000E-000	\$992.20
500	300	ZKD5000V-000	\$1,414.40	ZKD5000E-000	\$1,414.40



## Z SERIES MULTIFUNCTION VALVE

PVDF Wetting components and a PTFE diaphragm. With a set pressure of 22 PSI, this valve can be utilized as either a back pressure, anti-siphoning, over pressure, priming or delivery drain valve. The Multifunction valve is mounted on the pump discharge port and allows access to the pump controls.

PART NO.	DESCRIPTION	LIST PRICE
ZMFV500P	For 100/200 Series	<b>\$163.80</b>
ZMFV510P	For 500 Series	<b>\$163.80</b>

## Z SERIES PARTS ACCESSORIES & PARTS

DESCRIPTION	PART NUMBER	LIST PRICE
Pump Head Assy PVDF FPM w/ Cer Ball Valve Sz 100 200	ZXXPH5100200	<b>\$397.00</b>
Pump Head Assy PVDF FPM w/ Cer Ball Valve Sz 500	ZXXPH5500	<b>\$472.00</b>
Valve Assy PVDF FPM FPM w/ Cer Ball Valve Sz 100 200	ZXXVA5100200	<b>\$273.00</b>
Valve Assy PVDF FPM FPM w/ Cer Ball Valve Sz 500	ZXXVA5500	<b>\$323.00</b>
Diaphragm PTFE Sz 100 200	ZXXDP100200	<b>\$50.00</b>
Diaphragm PTFE Sz 500	ZXXDP500	<b>\$99.00</b>
Front Panel Lid Sz 100 200 500	ZXXFP100200500	<b>\$25.00</b>
Wiring Terminal Block ZMA Sz 100 200 500	ZMXAWT100200500	<b>\$49.00</b>
Wiring Terminal Block ZPD ZPA Sz 100 200 500	ZPXXWT100200500	<b>\$55.00</b>
Wiring Terminal Block ZRD Sz 100 200 500	ZRXDWT100200500	<b>\$55.00</b>
Mounting Bracket	ZXXMT100200500	<b>\$62.00</b>
Complete Solenoid Sz 100	ZXXCS100	<b>\$236.00</b>
Complete Solenoid Sz 200	ZXXCS200	<b>\$360.00</b>
Complete Solenoid Sz 500	ZXXCS500	<b>\$372.00</b>
Analog Circuit 100-240VAC ZMA Sz 100	ZMXAAC100	<b>\$273.00</b>
Analog Circuit 100-240VAC ZMA Sz 200	ZMXAAC200	<b>\$286.00</b>
Analog Circuit 100-240VAC ZMA Sz 500	ZMXAAC500	<b>\$298.00</b>
Digital Circuit 100-240VAC ZPD Sz 100	ZPXDDC100	<b>\$646.00</b>
Digital Circuit 100-240VAC ZPD Sz 200	ZPXDDC200	<b>\$671.00</b>
Digital Circuit 100-240VAC ZPD Sz 500	ZPXDDC500	<b>\$696.00</b>
Digital Circuit 100-240VAC ZPA Sz 100	ZPXADC100	<b>\$388.00</b>
Digital Circuit 100-240VAC ZPA Sz200	ZPXADC200	<b>\$403.00</b>
Digital Circuit 100-240VAC ZPA Sz 500	ZPXADC500	<b>\$433.00</b>
Digital Circuit 100-240VAC ZRP Sz 100	ZRXPDC100	<b>\$736.00</b>
Digital Circuit 100-240VAC ZRP Sz 200	ZRXPDC200	<b>\$756.00</b>
Digital Circuit 100-240VAC ZRP Sz 500	ZRXPDC500	<b>\$795.00</b>
Foot Filter Kit PVDF FPM 100 200 1 Pc	ZXX5FFK100200	<b>\$124.00</b>
Foot Filter Kit PVDF FPM 500 1 Pc	ZXX5FFK500	<b>\$124.00</b>
Injection Valve Kit PVDF FPM 100 200 1 Pc	ZXX5IVK100200	<b>\$174.00</b>
Injection Valve Kit PVDF FPM 500 1 Pc	ZXX5IVK500	<b>\$174.00</b>
Kit Fittings PVDF 100 200 10 Pc	ZXX5KF100200	<b>\$174.00</b>
Kit Fittings PVDF 500 10 Pc	ZXX5KF500	<b>\$248.00</b>
Flow Swich	ZFS500	<b>\$258.50</b>
Level Switch	ZLS500	<b>\$40.00</b>
pH Electrode, 10' Cable	PRO15-10	<b>\$444.30</b>
ORP Electrode, 10' Cable	PRO25-10	<b>\$444.30</b>

# A-SERIES LIFESTAR® AQUATIC PUMP



The A-Series LifeStar® pump is designed for operation in aquatic and animal life support systems. Its specialized construction, makes it safe for even the most sensitive aquatic habitats. The LifeStar pump features a corrosion resistant Glass Filled Polypropylene housing, a silicon carbide shaft seal and all wetted hardware manufactured from 316 Stainless Steel for superior performance in aquatic applications.



**A-SERIES LIFESTAR® AQUATIC PUMP**  
OPEN DRIP PROOF (ODP) MOTOR - SINGLE PHASE / THREE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
1/2 HP Aquatic Pump ODP	1/2	115/208-230	1	42 / 19	1A3SES12	\$762.60
3/4 HP Aquatic Pump ODP	3/4	115/208-230	1	44 / 20	1A3SES13	\$795.70
1 HP Aquatic Pump ODP	1	115/208-230	1	47 / 21	1A3SES14	\$884.25
1-1/2 HP Aquatic Pump ODP	1-1/2	115/208-230	1	51 / 23	1A3SES15	\$950.50
2 HP Aquatic Pump ODP	2	208-230	1	51 / 23	1A3SES16	\$1,160.40
3 HP Aquatic Pump ODP	3	208-230	1	66 / 30	1A3SES17	\$1,414.65
5 HP Aquatic Pump ODP	5	208-230	1	66 / 30	1A3SES18	\$2,177.15
5 HP Aquatic Pump ODP	5	230/460	3	66 / 30	1A3SES28	\$2,312.35

PUMPS



**A-SERIES LIFESTAR® AQUATIC PUMP**  
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR - THREE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
1/2 HP Aquatic Pump TEFC	1/2	208-230/460	3	42 / 19	1A3SES32	\$899.05
3/4 HP Aquatic Pump TEFC	3/4	208-230/460	3	44 / 20	1A3SES33	\$932.25
1 HP Aquatic Pump TEFC	1	208-230/460	3	47 / 21	1A3SES34	\$1,020.65
1-1/2 HP Aquatic Pump TEFC	1-1/2	230/460	3	51 / 23	1A3SES35	\$1,087.00
2 HP Aquatic Pump TEFC	2	230/460	3	51 / 23	1A3SES36	\$1,296.90
3 HP Aquatic Pump TEFC	3	230/460	3	66 / 30	1A3SES37	\$1,551.10



**A-SERIES LIFESTAR®VS VARIABLE SPEED\* AQUATIC PUMP**  
TOTALLY ENCLOSED FAN COOLED (TEFC) MOTOR - SINGLE PHASE

DESCRIPTION	RATED HP	VOLTAGE SUPPLY	PHASE	APPROXIMATE SHIPPING WEIGHT lbs / kg	PART NUMBER	LIST PRICE
2 HP Variable Speed* Aquatic Pump TEFC	2	230	1	55 / 24	1A3SES46VS	\$1,950.00

\* 600 - 3450 RPM





## R SERIES MAGNETIC DRIVE PUMPS

Magnetic drive seal-less thermoplastic pumps designed for the most demanding applications. They handle a wide range of corrosive and ultra-pure liquids. All R Series Pumps come with a two-year warranty.

### FIBERGLASS REINFORCED POLYPROPYLENE

H.P.	VOLTS	PHASE	SUCTION VS. DISCHARGE	APPROX. SHIPPING WEIGHT	MODEL NO.	ITEM NO.*	LIST PRICE
1/3	115	1	1" X 1"	18 lbs	RC03	1M033TVT11	<b>\$1,310.30</b>
1/2	115/230	1	1-1/2" X 1-1/2"	36 lbs	RX05	1M043TVT12	<b>\$1,713.80</b>
3/4	115/230	1	1-1/2" X 1-1/2"	36 lbs	RX07	1M053TVT13	<b>\$1,827.15</b>
1	115/230	1	1-1/2" X 1-1/2"	43 lbs	RX10	1M083TVT14	<b>\$2,055.40</b>
1-1/2	230/460	3	2" X 1-1/2"	56 lbs	RX15	1M103TVT35	<b>\$3,026.95</b>
2	230/460	3	2" X 1-1/2"	56 lbs	RX20	1M103TVT36	<b>\$3,370.25</b>
3	230/460	3	2" X 1-1/2"	61 lbs	RX30	1M123TVT37	<b>\$3,711.60</b>
5	230/460	3	2" X 1-1/2"	129 lbs	RX50	1M143TVT38	<b>\$4,910.40</b>

### CARBON REINFORCED ETFE

H.P.	VOLTS	PHASE	SUCTION VS. DISCHARGE	APPROX. SHIPPING WEIGHT	MODEL NO.	ITEM NO.*	LIST PRICE
1/3	115	1	1" X 1"	20 lbs	RC03	1M035TVT11	<b>\$3,030.55</b>
1/2	115/230	1	1-1/2" X 1-1/2"	38 lbs	RX05	1M045TVT12	<b>\$4,427.85</b>
3/4	115/230	1	1-1/2" X 1-1/2"	38 lbs	RX07	1M055TVT13	<b>\$4,535.60</b>
1	115/230	1	1-1/2" X 1-1/2"	45 lbs	RX10	1M085TVT14	<b>\$4,726.85</b>
1-1/2	230/460	3	2" X 1-1/2"	58 lbs	RX15	1M105TVT35	<b>\$7,395.25</b>
2	230/460	3	2" X 1-1/2"	58 lbs	RX20	1M105TVT36	<b>\$7,714.60</b>
3	230/460	3	2" X 1-1/2"	64 lbs	RX30	1M125TVT37	<b>\$8,078.20</b>
5	230/460	3	2" X 1-1/2"	132 lbs	RX50	1M145TVT38	<b>\$10,084.35</b>

\*\* All ETFE pumps are equipped with threaded connections.

#### NOTES & OPTIONS:

Explosion-Proof Motor List Adders: 1/2 - 1 HP add **\$644.90**; 1.5 - 3 HP add **\$1,077.85**; 5 HP add **\$1,396.00**

Wash-down Motor List Adders: 1/2 - 1 HP add **\$461.25**; 1.5 - 3 HP add **\$692.05**; 5 HP add **\$1,153.35**. Please contact Hayward for voltage availability.

575 Volt Motor List Adders: 1/2 - 3/4 HP add **\$43.30**; 1 - 1-1/2 HP add **\$86.40**; 2 - 3 HP add **\$183.85**; 5 HP add **\$270.05**.

For Impeller Trims: Add **\$54.25** to list price.

Assembled GFPP Flanged Connections: 1/2 - 1 HP add **\$347.15** to list; 1-1/2 - 5 HP add **\$416.10** to list price.

Optional Bushing Materials: 1/2 - 5 HP add **\$347.15** to list for carbon or **\$301.85** to list for ceramic.

Elastomer - FPM is Standard: 1/2 - 5 HP add **\$79.60** to list for EPDM.

## R SERIES PUMP HEAD ASSEMBLIES & MOTORS

### R SERIES - PART NUMBER MATRIX

DIGIT 1	DIGIT 2	FLOW (AA)	WET MAT'L (B)	BEARING	O-RING	CONNECT	MOTOR	HP/CONSTR
1	M	GPM/10	3 = GFPP	C = Carbon	E = EPDM	F = FLANGED	X = NONE	1 = 1/3 TEFC
			5 = ETFE	T = PTFE	V = FPM (VITON)	T = THREADED	1 = 115/230 VAC 50/60	2 = 1/2 TEFC
				Z = Ceramic			3 = 240/460 VAC 50/60 3ph	3 = 3/4 TEFC
							4 = 575 VAC 3ph	4 = 1 TEFC
							6 = 380 VAC 3ph	5 = 1.5 TEFC
								6 = 2 TEFC
								7 = 3 TEFC
								8 = 5 TEFC
								A = 1/3 EP

GFPP = Glass Filled Polypropylene, ETFE = Ethylene Tetrafluorethylene, TEFC = Totally Enclosed Fan-Cooled, EP = Explosion Proof



# R SERIES PUMP HEAD ASSEMBLIES & MOTORS (cont.)

## GLASS FILLED PP

### PUMP HEAD ONLY

### MOTOR ONLY - NO BASE

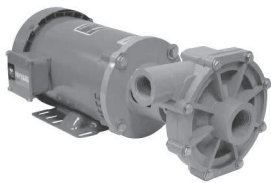
COMPLETE PUMP NO.	H.P.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1M043TVT12	1/2	1M053TVTX315	\$1,304.15	16FA15-203NBX	\$842.35
1M053TVT13	3/4	1M053TVTX	\$1,420.45	16FA15-204NBX	\$1,028.75
1M083TVT14	1	1M083TVTX	\$1,545.85	16FA15-62NBX	\$1,118.60
1M103TVT35	1-1/2	1M103TVTX437	\$2,342.95	16FA15-174NBX	\$1,118.60
1M103TVT36	2	1M103TVTX	\$2,628.75	16FA15-300NBX	\$1,246.10
1M123TVT37	3	1M123TVTX	\$2,825.45	16FA15-145NBX	\$1,454.90
1M143TVT38	5	1M143TVTX	\$3,850.30	16FA15-189NBX	\$2,663.45

## CARBON REINFORCED ETFE

### PUMP HEAD ONLY

### MOTOR ONLY - NO BASE

COMPLETE PUMP NO.	H.P.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1M045TVT12	1/2	1M055TVTX315	\$3,577.65	16FA15-203NBX	\$842.35
1M055TVT13	3/4	1M055TVTX315	\$3,577.65	16FA15-204NBX	\$1,028.75
1M085TVT14	1	1M085TVTX	\$3,812.90	16FA15-62NBX	\$1,118.60
1M105TVT35	1-1/2	1M105TVTX437	\$5,978.80	16FA15-174NBX	\$1,118.60
1M105TVT36	2	1M105TVTX	\$6,226.00	16FA15-300NBX	\$1,246.10
1M125TVT37	3	1M125TVTX	\$6,527.75	16FA15-145NBX	\$1,454.90
1M145TVT38	5	1M145TVTX	\$8,144.60	16FA15-189NBX	\$2,663.45



## C SERIES HORIZONTAL END SUCTION PUMPS

Horizontal end suction plastic pumps designed specifically for continuous duty applications. They handle a wide range of corrosive and ultra-pure liquids. All C Series Pumps come with a two-year warranty.

## CPVC

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	3/4"	1/2"	31 lbs	1C5GX0200	\$1,547.05
1/3	208-230/460	3	3/4"	1/2"	25 lbs	1C5HX0200	\$1,547.05
1	115/230	1	1"	3/4"	36 lbs	1C7GX0400	\$1,780.05
1	208-230/460	3	1"	3/4"	33 lbs	1C7HX0400	\$1,780.05
1-1/2	115/230	1	1-1/4"	1"	42 lbs	1C8GX0600	\$1,888.15
1-1/2	208-230/460	3	1-1/4"	1"	47 lbs	1C8HX0600	\$1,888.15

## FIBERGLASS REINFORCED POLYPROPYLENE

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	3/4"	1/2"	30 lbs	1C5GX0203	\$1,654.20
1/3	208-230/460	3	3/4"	1/2"	24 lbs	1C5HX0203	\$1,654.20
1	115/230	1	1"	3/4"	35 lbs	1C7GX0403	\$1,888.15
1	208-230/460	3	1"	3/4"	32 lbs	1C7HX0403	\$1,888.15
1-1/2	115/230	1	1-1/4"	1"	41 lbs	1C8GX0603	\$2,011.50
1-1/2	208-230/460	3	1-1/4"	1"	46 lbs	1C8HX0603	\$2,011.50

# C SERIES HORIZONTAL END SUCTION PUMPS (cont.)

## PVDF

H.P.	VOLTS*	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	3/4"	1/2"	32 lbs	1C5GX0209	\$2,299.25
1/3	208-230/460	3	3/4"	1/2"	26 lbs	1C5HX0209	\$2,299.25
1	115/230	1	1"	3/4"	37 lbs	1C7GX0409	\$2,563.60
1	208-230/460	3	1"	3/4"	34 lbs	1C7HX0409	\$2,563.60
1-1/2	115/230	1	1-1/4"	1"	42 lbs	1C8GX0609	\$2,987.30
1-1/2	208-230/460	3	1-1/4"	1"	48 lbs	1C8HX0609	\$2,987.30

\* 575 Volt motors available. See list adders on [page 134](#).

### NOTES & OPTIONS:

- Standard impeller diameters are C5(2.7"), C7(3.7"), C8(4.2").
- For variations on impellers, add **\$54.25** to list price.
- Carbon/ceramic seals are standard. Special seals are available to order.
- PTFE/ceramic add suffix **S6** to catalog number and add **\$162.50** to list price.
- PTFE/pink ceramic add suffix **S7** to catalog number and add **\$538.05** to list price.
- PTFE/carpenter 20 add suffix **S8** to catalog number and add **\$322.95** to list price.
- Water flushed seals available. to order, specify water wash assembly and add **\$162.50** to list price.
- FPM is standard elastomer. To order EPDM add **\$65.80** to list price.

**NOTE 1:** The suffix "SV" in complete unit and pump head assembly catalog number stands for sleeved, FPM fitted. The suffix "V" stands for non-sleeved, FPM fitted.

**PUMP HEAD ASSEMBLIES ARE CONSIDERED AS WHOLE GOODS FOR DISCOUNT AND FREIGHT ALLOWED ORDER QUANTITY QUALIFICATION.**

# C SERIES PUMP HEAD ASSEMBLIES & MOTORS

## CPVC

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1C5GX0200	1C5ZX0200	\$1,023.65	16FA15-61	\$764.35
1C5HX0200			16FA15-142	\$807.25
1C7GX0400	1C7ZX0400	\$1,115.60	16FA15-62	\$1,001.95
1C7HX0400			16FA15-74	\$961.30
1C8GX0600	1C8ZX0600	\$1,157.95	16FA15-173	\$1,023.65
1C8HX0600			16FA15-174	\$982.95

## PP

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1C5GX0203	1C5ZX0203	\$1,137.25	16FA15-61	\$764.35
1C5HX0203			16FA15-142	\$807.25
1C7GX0403	1C7ZX0403	\$1,281.60	16FA15-62	\$1,001.95
1C7HX0403			16FA15-74	\$961.30
1C8GX0603	1C8ZX0603	\$1,364.55	16FA15-173	\$1,023.65
1C8HX0603			16FA15-174	\$982.95

**PUMP HEAD ASSEMBLIES ARE CONSIDERED AS WHOLE GOODS FOR DISCOUNT AND FREIGHT ALLOWED ORDER QUANTITY QUALIFICATION.**

## PVDF

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1C5GX0209	1C5ZX0209	\$1,809.15	16FA15-61	\$764.35
1C5HX0209			16FA15-142	\$807.25
1C7GX0409	1C7ZX0409	\$2,016.50	16FA15-62	\$1,001.95
1C7HX0409			16FA15-74	\$961.30
1C8GX0609	1C8ZX0609	\$2,077.80	16FA15-173	\$1,023.65
1C8HX0609			16FA15-174	\$982.95

**PUMP HEAD ASSEMBLIES ARE CONSIDERED AS WHOLE GOODS FOR DISCOUNT AND FREIGHT ALLOWED ORDER QUANTITY QUALIFICATION.**



# T SERIES VERTICAL IMMERSIBLE PUMPS

Vertical seal-less, immersible, thermoplastic pumps designed for rugged chemical duty applications. They handle a wide range of corrosive and ultra-pure liquids. The pumps feature a single, non-coupled motor/impeller stainless steel shaft with a proprietary, patent-pending shaft seal. Designed with a PTFE seal for more chemical compatibility and less wear/degradation over time. The shaft sleeve is extended to move the seal point up and away from the weep hole protecting the metal shaft and centralizing the sleeve.

## CPVC

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0008	\$1,176.25
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0008	\$1,176.25
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0008	\$1,316.95
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0008	\$1,316.95
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0008	\$1,447.40
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0008	\$1,447.40
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0008	\$1,749.50
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0008	\$1,749.50
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0008	\$1,829.00
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0008	\$1,829.00
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0008	\$1,884.40
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0008	\$1,884.40

## GFPP

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0003	\$1,183.65
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0003	\$1,183.65
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0003	\$1,399.05
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0003	\$1,399.05
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0003	\$1,576.10
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0003	\$1,576.10
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0003	\$1,661.15
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0003	\$1,661.15
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0003	\$1,859.40
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0003	\$1,859.40
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0003	\$1,970.80
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0003	\$1,970.80

## PVDF

H.P.	VOLTS	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	24 lbs	1T2GX0009	\$1,719.10
1/3	208-230/460	3	1"	3/4"	24 lbs	1T2HX0009	\$1,719.10
1/2	115/230	1	1-1/4"	1"	26 lbs	1T4GX0009	\$1,857.05
1/2	208-230/460	3	1-1/4"	1"	26 lbs	1T4HX0009	\$1,857.05
3/4	115/230	1	1-1/4"	1"	28 lbs	1T5GX0009	\$2,086.10
3/4	208-230/460	3	1-1/4"	1"	28 lbs	1T5HX0009	\$2,086.10
1	115/230	1	1-1/2"	1-1/4"	30 lbs	1T6GX0009	\$2,186.05
1	208-230/460	3	1-1/2"	1-1/4"	30 lbs	1T6HX0009	\$2,186.05
1	115/230	1	1-1/2"	1-1/4"	32 lbs	1T7GX0009	\$2,251.70
1	208-230/460	3	1-1/2"	1-1/4"	32 lbs	1T7HX0009	\$2,251.70
1-1/2	115/230	1	1-1/2"	1-1/4"	34 lbs	1T8GX0009	\$2,526.80
1-1/2	208-230/460	3	1-1/2"	1-1/4"	34 lbs	1T8HX0009	\$2,526.80

## CPVC WITH WASH-DOWN MOTORS

PART DESCRIPTION	PART NO.	LIST PRICE
T2 Series with Wash-Down Motor	1T2GX0008WD	\$1,457.65
T2 Series with Wash-Down Motor	1T2HX0008WD	\$1,457.65
T4 Series with Wash-Down Motor	1T4GX0008WD	\$1,598.80
T4 Series with Wash-Down Motor	1T4HX0008WD	\$1,598.80
T5 Series with Wash-Down Motor	1T5GX0008WD	\$1,728.80
T5 Series with Wash-Down Motor	1T5HX0008WD	\$1,728.80
T6 Series with Wash-Down Motor	1T6GX0008WD	\$2,030.90
T6 Series with Wash-Down Motor	1T6HX0008WD	\$2,030.90
T7 Series with Wash-Down Motor	1T7GX0008WD	\$2,110.35

PART DESCRIPTION	PART NO.	LIST PRICE
T7 Series with Wash-Down Motor	1T7HX0008WD	\$2,110.35
T8 Series with Wash-Down Motor	1T8GX0008WD	\$2,165.80
T8 Series with Wash-Down Motor	1T8HX0008WD	\$2,165.80

## OPTIONS

PART DESCRIPTION	LIST PRICE ADDER
Explosion-Proof Motor	Consult Factory
575 Volt Motor	Consult Factory
Non-Standard Impeller Trims	Consult Factory

# D & S SERIES VERTICAL IMMERSIBLE PUMPS

Vertical seal-less, immersible, plastic pumps designed for rugged chemical duty applications. They handle a wide range of corrosive and ultra-pure liquids.



## CPVC

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	12 lbs	1D1GX0008	\$759.35
1/8	115/230	1	1"	1/2"	12 lbs	1DD1GX0008	\$909.25
1/15	115	1	3/4"	1/2"	7 lbs	1S1GX0008	\$611.70
1/3	115/230	1	1"	3/4"	26 lbs	1S2GX0008	\$1,259.10
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0008	\$1,259.10
1/2	115/230	1	1 1/4"	1"	31 lbs	1S4GX0008	\$1,410.10
3/4	208-230/460	3	1 1/4"	1"	31 lbs	1S4HX0008	\$1,410.10
3/4	115/230	1	1 1/4"	1"	35 lbs	1S5GX0008	\$1,549.30
1	208-230/460	3	1 1/4"	1"	35 lbs	1S5HX0008	\$1,549.30
3/4	115/230	1	1 1/2"	1 1/4"	39 lbs	1SS6GX008	\$1,872.75
3/4	208-230/460	3	1 1/2"	1 1/4"	39 lbs	1SS6HX008	\$1,872.75
1	115/230	1	1 1/2"	1 1/4"	42 lbs	1SS7GX008	\$1,957.75
1	208-230/460	3	1 1/2"	1 1/4"	42 lbs	1SS7HX008	\$1,957.75
1 1/2	115/230	1	1 1/2"	1 1/4"	45 lbs	1S8GX0008	\$2,017.00
1 1/2	208-230/460	3	1 1/2"	1 1/4"	45 lbs	1S8HX0008	\$2,017.00
3	208-230/460	3	3" MALE SLIP	1 1/2"	75 lbs	1S0HX0008	\$2,759.85
3	208-230/460	3	3" MALE SLIP	1 1/2"	75 lbs	1S0HX0100*	\$2,809.70
5	208-230/460	3	3" MALE SLIP	2"	135 lbs	1S9HX0008	\$4,336.80

\* Has 4.5 inch trimmed impeller.

## NATURAL PP

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	11 lbs	1D1GX0006	\$808.85
1/8	115/230	1	1"	1/2"	11 lbs	1DD1GX0006	\$938.30
1/15	115	1	3/4"	1/2"	6 lbs	1S1GX0006	\$611.70



## FIBERGLASS REINFORCED PP

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/3	115/230	1	1"	3/4"	25 lbs	1S2GX0003	\$1,244.00
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0003	\$1,244.00
1/2	115/230	1	1 1/4"	1"	30 lbs	1S4GX0003	\$1,470.35
3/4	208-230/460	3	1 1/4"	1"	30 lbs	1S4HX0003	\$1,470.35
3/4	115/230	1	1 1/4"	1"	34 lbs	1S5GX0003	\$1,656.30
1	208-230/460	3	1 1/4"	1"	34 lbs	1S5HX0003	\$1,656.30
3/4	115/230	1	1 1/2"	1 1/4"	38 lbs	1SS6GX003	\$1,745.75
3/4	208-230/460	3	1 1/2"	1 1/4"	38 lbs	1SS6HX003	\$1,745.75
1	115/230	1	1 1/2"	1 1/4"	41 lbs	1SS7GX003	\$1,954.15
1	208-230/460	3	1 1/2"	1 1/4"	41 lbs	1SS7HX003	\$1,954.15
1 1/2	115/230	1	1 1/2"	1 1/4"	44 lbs	1S8GX0003	\$2,071.20
1 1/2	208-230/460	3	1 1/2"	1 1/4"	44 lbs	1S8HX0003	\$2,071.20

## PVDF

H.P.	VOLTS**	PHASE	SUCTION	DISCHARGE	APPROX. SHIPPING WEIGHT	PART NO.	LIST PRICE
1/8	115/230	1	1"	1/2"	12 lbs	1D1GX0009	\$917.65
1/8	115/230	1	1"	1/2"	12 lbs	1DD1GX009	\$1,144.15
1/15	115	1	3/4"	1/2"	7 lbs	1S1GX0009	\$829.00
1/3	115/230	1	1"	3/4"	26 lbs	1S2GX0009	\$1,806.05
1/3	208-230/460	3	1"	3/4"	30 lbs	1S2HX0009	\$1,806.05
1/2	115/230	1	1 1/4"	1"	31 lbs	1S4GX0009	\$1,954.15
3/4	208-230/460	3	1 1/4"	1"	31 lbs	1S4HX0009	\$1,954.15
3/4	115/230	1	1 1/4"	1"	35 lbs	1S5GX0009	\$2,200.35
1	208-230/460	3	1 1/4"	1"	35 lbs	1S5HX0009	\$2,200.35
3/4	115/230	1	1 1/2"	1 1/4"	39 lbs	1SS6GX009	\$2,307.00
3/4	208-230/460	3	1 1/2"	1 1/4"	39 lbs	1SS6HX009	\$2,307.00
1	115/230	1	1 1/2"	1 1/4"	42 lbs	1SS7GX009	\$2,377.55
1 1/2	208-230/460	3	1 1/2"	1 1/4"	42 lbs	1SS7HX009	\$2,544.65
1 1/2	115/230	1	1 1/2"	1 1/4"	45 lbs	1S8GX0009	\$2,671.95
1 1/2	208-230/460	3	1 1/2"	1 1/4"	45 lbs	1S8HX0009	\$2,671.95

\*\* 575 Volt motors available. See list adders on [page 134](#).

### NOTES & OPTIONS:

- D1 thru S8 CPVC, PP, and PVDF models have male (external) pipe thread suction port connection.
- CPVC, PP, and PVDF models have female (internal) pipe thread discharge connections.
- For non-standard, trimmed impellers - add \$54.35 to list price.

- Explosion proof motor adders to list price: 1/3 - 1 HP add \$644.00; 1 1/2 - 3 HP add \$1,073.10; 5 HP add \$1,396.00; Wash-down motor adders to list price: 1/3 - 1 HP add \$429.40; 1 1/2 - 3 HP add \$644.00; 5 HP add \$1,073.10.
- FPM is standard elastomer. For EPDM add \$66.30 to list price.
- D&S Series, S-J Type electrical cord w/push button switch, add \$217.95. (WED extension).

# D & S SERIES VERTICAL IMMERSIBLE PUMPS (cont.)

## INLET EXTENSION PIPES EQUIPPED WITH FOOT VALVES



Inlet extension pipes are assembled onto the inlet port of vertical pumps so that suction can be moved down to the bottom of the tank. This creates better bath agitation and increased bath level range. Inlet extension pipe units boast ruggedness and high performance with all true union connections. These connections allow for quick and easy assembly and disassembly for periodic cleaning. A standard Hayward CPVC true union ball check valve with FPM seals is used as the foot valve along with a newly designed, oversized inlet screen, providing a 6:1 open straining area versus the inlet size. The oversized screen not only decreases performance loss due to premature clogging, it also provides longer time intervals between screen cleaning. The inlet screen is fabricated from perforated CPVC that is 3/16" perf. The screen catches large solids that could damage the impeller during operation or prevent the ball check from seating and consequently losing prime. At a minimal cost versus extended-shaft vertical pumps, inlet extension pipes provide a practical alternative for reaching the bottom of the tank.

EXTENSION LENGTH*	D1/DD1/S2 (1" FOOT VALVE)	S4/S5 (1-1/4" FOOT VALVE)	SS6/SS7/S8 (1-1/2" FOOT VALVE)
24"	EXT24FVD1S2 List Price: <b>\$384.85</b>	EXT24FVS45 List Price: <b>\$470.25</b>	EXT24FVS678 List Price: <b>\$555.75</b>
36"	EXT36FVD1S2 List Price: <b>\$427.60</b>	EXT36FVS45 List Price: <b>\$513.05</b>	EXT36FVS678 List Price: <b>\$598.60</b>
48"	N/A	EXT48FVS45 List Price: <b>\$555.75</b>	EXT48FVS678 List Price: <b>\$641.35</b>
60"	N/A	N/A	EXT60FVS678 List Price: <b>\$684.00</b>

\* Extension pipes with foot valve are sold independent of pumps.

For loss calculation, assume 10-15% decrease from published performance curve due to pipe, foot valve and union fitting.

## EXTENDED-SHAFT VERTICAL PUMPS

Used to eliminate extension pipes so that a prime is not needed. Through extending the shaft and locating the impeller closer to the bottom of the tank, more agitation is created for better filtration of the process fluid. Wash-down and Explosion-Proof motors available upon request.



EXTENSION LENGTH	H.P.	1 PHASE PART NO.	3 PHASE PART NO.	LIST PRICE
18"	1/3	1S2GX8X18	1S2HX8X18	<b>\$2,033.40</b>
24"	1/3	1S2GX8X24	1S2HX8X24	<b>\$2,136.60</b>
18"	1/2(1 ph) - 3/4(3 ph)	1S4GX8X18	1S4HX8X18	<b>\$2,239.80</b>
24"	1/2(1 ph) - 3/4(3 ph)	1S4GX8X24	1S4HX8X24	<b>\$2,343.20</b>
18"	3/4(1 ph) - 1(3 ph)	1S5GX8X18	1S5HX8X18	<b>\$2,388.00</b>
24"	3/4(1 ph) - 1(3 ph)	1S5GX8X24	1S5HX8X24	<b>\$2,491.25</b>
18"	3/4	1SS6GX8X18	1SS6HX8X18	<b>\$2,505.00</b>
24"	3/4	1SS6GX8X24	1SS6HX8X24	<b>\$2,608.35</b>
18"	1	1SS7GX8X18	1SS7HX8X18	<b>\$2,654.75</b>
24"	1	1SS7GX8X24	1SS7HX8X24	<b>\$2,758.05</b>
18"	1-1/2	1S8GX8X18	1S8HX8X18	<b>\$2,832.10</b>
24"	1-1/2	1S8GX8X24	1S8HX8X24	<b>\$2,935.50</b>



## INLET SCREENS FOR VERTICAL PUMPS

Features 3/16" perforated screen to strain harmful solids that may damage the impeller during operation. Inlet screens are available in CPVC only.

PUMP SERIES	CPVC SUFFIX NO.	ADDER LIST PRICE
D1/DD1/S2	SC2	<b>\$75.10</b>
S4/S5	SC4	<b>\$84.45</b>
SS6/SS7/S8	SC6	<b>\$93.75</b>



## IN-TANK FILTRATION SYSTEMS FOR VERTICAL PUMPS

Used to filter particles from process fluid within a tank. This eliminates the need to plumb outside the tank. Price includes the vertical pump and attached filtration system. Available in 10" and 20" lengths in single or double cartridge configuration. Available in CPVC only. FPM seals are standard.

Filters/Length	H.P.	GPH	Cycle (Hz)	Volts*	Phase	Motor Type	Ship Weight	Part No.	List Price
1 - 10"	1/8	600	50/60	115/230	1	TEFC	15	WPI-DDH-1-10	<b>POA</b>
2 - 10"	1/8	600	50/60	115/230	1	TEFC	16	WPI-DDH-2-10	<b>POA</b>
1 - 20"	1/8	600	50/60	115/230	1	TEFC	16	WPI-DDH-1-20	<b>POA</b>
1 - 20"	1/3	1100	50/60	115/230	1	TEFC	28.5	WPI-S2H-1-20	<b>POA</b>
2 - 20"	1/3	1100	50/60	115/230	1	TEFC	30.5	WPI-S2H-2-20	<b>POA</b>
1 - 20"	1/2	2200	50/60	115/230	1	TEFC	33.5	WPI-S4H-1-20	<b>POA</b>
2 - 20"	1/2	2200	50/60	115/230	1	TEFC	35.5	WPI-S4H-2-20	<b>POA</b>



# D & S SERIES PUMP HEAD ASSEMBLIES & MOTORS

## CPVC

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1D1GX0008	1D1ZX0008	\$496.05	16FA15-220	\$610.20
1DD1GX0008	1DD1ZX0008	\$610.20	16FA15-220	\$610.20
1S1GX0008	1S1ZX0008	\$477.10	16FA15-178	\$393.85
1S2GX0008	1S2ZX0008	\$816.55	16FA15-61	\$764.35
1S2HX0008			16FA15-142	\$807.25
1S4GX0008	1S4ZX0008	\$1,023.65	16FA15-203	\$837.90
1S4HX0008			16FA15-288	\$920.75
1S5GX0008	1S5ZX0008	\$1,044.40	16FA15-204	\$920.75
1S5HX0008			16FA15-74	\$961.30
1SS6GX0008	1SS6ZX0008	\$1,208.50	16FA15-204	\$920.75
1SS6HX0008			16FA15-288	\$920.75
1SS7GX0008	1SS7ZX0008	\$1,230.15	16FA15-62	\$1,001.95
1SS7HX0008			16FA15-74	\$961.30
1S8GX0008	1S8ZX0008	\$1,260.80	16FA15-173	\$1,023.65
1S8HX0008			16FA15-174	\$982.95
1S0HX0008	1S0ZX0008*	\$2,097.65	16FA15-145	\$1,374.40
1S0HX0100	1S0ZX0100**	\$2,130.20	16FA15-145	\$1,374.40
1S9HX0008	1S9ZXCZ08	\$2,364.60	16FA15-189	\$2,604.45

\* 5" Impeller

\*\* 4.5" Impeller

## PP

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1D1GX0006	1D1ZX0006	\$548.45	16FA15-220	\$610.20
1DD1GX0006	1DD1ZX0006	\$702.55	16FA15-220	\$610.20
1S1GX0006	1S1ZX0006	\$517.70	16FA15-178	\$393.85
1S2GX0003	1S2ZX0003	\$837.80	16FA15-61	\$764.35
1S2HX0003			16FA15-142	\$807.25
1S4GX0003	1S4ZX0003	\$1,044.40	16FA15-203	\$837.90
1S4HX0003			16FA15-288	\$920.75
1S5GX0003	1S5ZX0003	\$1,066.05	16FA15-204	\$920.75
1S5HX0003			16FA15-74	\$961.30
1SS6GX0003	1SS6ZX0003	\$1,291.45	16FA15-204	\$920.75
1SS6HX0003			16FA15-288	\$920.75
1SS7GX0003	1SS7ZX0003	\$1,291.45	16FA15-62	\$1,001.95
1SS7HX0003			16FA15-74	\$961.30
1S8GX0003	1S8ZX0003	\$1,353.70	16FA15-173	\$1,023.65
1S8HX0003			16FA15-174	\$982.95

## PVDF

## PUMP HEAD ONLY

## MOTOR ONLY

COMPLETE PUMP NO.	PART NO.	LIST PRICE	PART NO.	LIST PRICE
1D1GX0009	1D1ZX0009	\$899.60	16FA15-220	\$610.20
1DD1GX0009	1DD1ZX0009	\$1,096.65	16FA15-220	\$610.20
1S1GX0009	1S1ZX0009	\$868.45	16FA15-178	\$393.85
1S2GX0009	1S2ZX0009	\$1,580.90	16FA15-61	\$764.35
1S2HX0009			16FA15-142	\$807.25
1S4GX0009	1S4ZX0009	\$1,787.40	16FA15-203	\$837.90
1S4HX0009			16FA15-288	\$920.75
1S5GX0009	1S5ZX0009	\$1,901.05	16FA15-204	\$920.75
1S5HX0009			16FA15-74	\$961.30
1SS6GX0009	1SS6ZX0009	\$1,922.80	16FA15-204	\$920.75
1SS6HX0009			16FA15-288	\$920.75
1SS7GX0009	1SS7ZX0009	\$1,953.40	16FA15-62	\$1,001.95
1SS7HX0009			16FA15-74	\$961.30
1S8GX0009	1S8ZX0009	\$2,016.50	16FA15-173	\$1,023.65
1S8HX0009			16FA15-174	\$982.95

### NOTES:

1. D1 thru S8 CPVC, PP, and PVDF models have male (external) pipe thread suction port connection.
2. S12 and S16 CPVC models have slip-on suction port connection of standard pipe diameter, for use of tubing or solvent welding of CPVC plumbing.
3. CPVC, PP, and PVDF models have female (internal) pipe thread discharge connections.
4. D1/DD1 and S1 are natural PP. S2 - S8 are glass-filled PP.

**PUMP HEAD ASSEMBLIES ARE CONSIDERED AS WHOLE GOODS FOR DISCOUNT AND FREIGHT ALLOWED ORDER QUANTITY QUALIFICATION.**



# LIFESTAR® AQUATIC PUMP SPARE PARTS

PARTS

DESCRIPTION	PART NUMBER	LIST PRICE
True Union Connector Kit	1AX3SESUNKIT	<b>\$29.10</b>
True Union EPDM Gasket 2 PCS	1AX3SESUG	<b>\$7.80</b>
Strainer Cover Kit	1AX3SESDLS	<b>\$49.95</b>
O-Ring Strainer Cover	1AX3SESS	<b>\$8.70</b>
Strainer Basket	1AX3SESM	<b>\$21.25</b>
Diffuser Screw	1AX3SESZ8	<b>\$2.35</b>
Diffuser	1AX3SESB3	<b>\$25.25</b>
Impeller Screw	1AX3SESZ1	<b>\$9.10</b>
1/2 HP Impeller with screw	1AX3SES05C	<b>\$121.95</b>
3/4 HP Impeller with screw	1AX3SES07C	<b>\$121.95</b>
1 HP Impeller with screw	1AX3SES10C	<b>\$121.95</b>
1-1/2 HP Impeller with screw	1AX3SES15C	<b>\$121.95</b>

DESCRIPTION	PART NUMBER	LIST PRICE
2 HP Impeller with screw	1AX3SES20C	<b>\$121.95</b>
3 HP Impeller with screw	1AX3SES30C	<b>\$121.95</b>
5 HP Impeller with screw	1AX3SES50C	<b>\$121.95</b>
Shaft Seal Assembly Silicon Carbide/Silicon Carbide	1AX3SESSA	<b>\$131.30</b>
Housing O-Ring	1AX3SEST	<b>\$6.60</b>
Seal Plate	1AX3SESE	<b>\$32.05</b>
Housing Insert and Seal Plate Kit	1AX3SESZ211	<b>\$14.70</b>
Housing Bolt	1AX3SESZ3	<b>\$2.70</b>
Motor Bolt	1AX3SESZ5	<b>\$2.70</b>
Motor Support Bracket	1AX3SESGA	<b>\$25.35</b>
Short Riser Base	1AX3SESWF	<b>\$24.20</b>
Tall Riser Base	1AX3SESSR	<b>\$23.10</b>

## R SERIES PARTS

DESCRIPTION	QUANTITY	FOR MODEL NO.	PART NO.	LIST PRICE
<b>PUMPS</b>				
Bracket, NEMA	1	RX05 - RX50	1MXBR	<b>\$376.65</b>
Bushing (Carbon) - option	1	RX05 - RX50	1MXBCAR	<b>\$295.70</b>
Bushing (Ceramic) - option	1	RX05 - RX50	1MXBCER	<b>\$335.10</b>
Bushing (PTFE) - standard	1	RX05 - RX50	1MXBTEF	<b>\$170.70</b>
Cap Screw Set for Pump Base	4	RX05 - RX30	SCR83KIT	<b>\$35.40</b>
Cap Screw Set for Pump Base	4	RX50	SCR135KIT	<b>\$45.90</b>
Cap Screw Set for Rear Casing Support	6	RX05 - RX50	SCR111KIT	<b>\$35.40</b>
Casing- Front (CFR PVDF)	1	RC03	1MX7FC03	<b>\$335.10</b>
Casing- Front (CFR PVDF)	1	RX05,RX07	1MX7FC07	<b>\$424.60</b>
Casing- Front (CFR PVDF)	1	RX10	1MX7FC10	<b>\$464.00</b>
Casing- Front (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7FC25	<b>\$703.45</b>
Casing- Front (GFPP)	1	RC03	1MX3FC03	<b>\$212.35</b>
Casing- Front (GFPP)	1	RX05,RX07	1MX3FC07	<b>\$253.85</b>
Casing- Front (GFPP)	1	RX10	1MX3FC10	<b>\$276.85</b>
Casing- Front (GFPP)	1	RX15,RX20,RX30,RX50	1MX3FC25	<b>\$424.60</b>
Casing-Rear with shaft (CFR PVDF)	1	RC03	1MX7RC03	<b>\$335.10</b>
Casing-Rear (CFR PVDF)	1	RX05,RX07	1MX7RC07	<b>\$295.70</b>
Casing-Rear (CFR PVDF)	1	RX10	1MX7RC10	<b>\$335.10</b>
Casing-Rear (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7RC25	<b>\$576.55</b>
Casing-Rear with shaft (GFPP)	1	RC03	1MX3RC03	<b>\$253.85</b>
Casing-Rear (GFPP)	1	RX05,RX07	1MX3RC07	<b>\$122.90</b>
Casing-Rear (GFPP)	1	RX10	1MX3RC10	<b>\$135.40</b>
Casing-Rear (GFPP)	1	RX15,RX20,RX30,RX50	1MX3RC25	<b>\$464.00</b>
Casing Support -Rear	1	RX05,RX07	1MXCS07	<b>\$152.10</b>
Casing Support -Rear	1	RX10	1MXCS10	<b>\$152.10</b>

CONSULT HAYWARD FOR ETFE PARTS AND PRICING

## R SERIES PARTS (cont.)

DESCRIPTION	QUANTITY	FOR MODEL NO.	PART NO.	LIST PRICE
Casing Support -Rear	1	RX15,RX20,RX30,RX50	1MXCS25	\$253.85
Flange Kit (GFPP)	1	RX05,RX07,RX10	1MX3FK1.5	\$278.95
Flange Kit (GFPP)	1	RX15,RX20,RX30,RX50	1MX3FK2.0	\$345.50
Flange Kit (CFR PVDF)	1	RX05,RX07,RX10	1MX7FK1.5	\$532.80
Flange Kit (CFR PVDF)	1	RX15,RX20,RX30,RX50	1MX7FK2.0	\$620.35
Hex Bolt Set for Casing	6	RC03	SCR130KIT	\$35.40
Hex Bolt Set for Casing	6	RX05,RX07	SCR13126KIT	\$35.40
Hex Bolt Set for Casing	8	RX10	SCR13128KIT	\$45.90
Hex Bolt Set for Casing	8	RX15,RX20,RX30,RX50	SCR1334KIT	\$56.35
<b>IMPELLERS</b>				
Impeller with integral bushing (GFPP)	1	RC03	1MX303	\$212.35
Impeller (GFPP)	1	RX05	1MX305	\$301.65
Impeller (GFPP)	1	RX07	1MX307	\$316.40
Impeller (GFPP)	1	RX10	1MX310	\$335.10
Impeller (GFPP)	1	RX15	1MX315	\$1,149.25
Impeller (GFPP)	1	RX20,RX30	1MX320	\$1,202.60
Impeller (GFPP)	1	RX50	1MX350	\$1,897.70
Impeller with integral bushing (PVDF)	1	RC03	1MX703	\$376.65
Impeller (PVDF)	1	RX05	1MX705	\$472.35
Impeller (PVDF)	1	RX07	1MX707	\$487.15
Impeller (PVDF)	1	RX10	1MX710	\$507.95
Impeller (PVDF)	1	RX15	1MX715	\$1,381.50
Impeller (PVDF)	1	RX20,RX30	1MX723	\$1,437.90
Impeller (PVDF)	1	RX50	1MX750	\$2,193.30
<b>MOTORS</b>				
Motor (1 Phase) - standard	1	RC03	1MXMT03-1	\$803.55
Motor (3 Phase)	1	RC03	1MXMT03-3	\$674.25
Motor Mounting Plate	1	RX50	1MXMP50	\$335.10
<b>SEALS</b>				
Mouth Ring (PTFE)	1	RX05,RX07	1MXMR07	\$56.35
Mouth Ring (PTFE)	1	RX10	1MXMR10	\$56.35
Mouth Ring (PTFE)	1	RX15,RX20,RX30,RX50	1MXMR25	\$56.35
O-ring for 1-1/2" Flange (EPDM) - option	1	RX05 - RX50	ORX129E70	\$19.30
O-ring for 1-1/2" Flange (FPM) - standard	1	RX05 - RX50	ORX129V70	\$23.45
O-ring for 2" Flange (EPDM) - option	1	RX15,RX20,RX30,RX50	ORX136E70	\$23.45
O-ring for 2" Flange (FPM) - standard	1	RX15,RX20,RX30,RX50	ORX136V70	\$27.60
O-ring for Casing (EPDM) - option	1	RC03	ORX156E70	\$27.60
O-ring for Casing (EPDM) - option	1	RX05,RX07	ORX357E70	\$24.60
O-ring for Casing (EPDM) - option	1	RX10	ORX362E70	\$44.85
O-ring for Casing (EPDM) - option	1	RX15,RX20,RX30,RX50	ORX365E70	\$42.60
O-ring for Casing (FPM) - standard	1	RC03	ORX156V70	\$36.10
O-ring for Casing (FPM) - standard	1	RX05,RX07	ORX357V70	\$30.75
O-ring for Casing (FPM) - standard	1	RX10	ORX362V70	\$61.65
O-ring for Casing (FPM) - standard	1	RX15,RX20,RX30,RX50	ORX365V70	\$127.35
<b>PUMPS</b>				
Outer Magnet	1	RC03	1MXMG03	\$335.10
Outer Magnet	1	RX05,RX07,RX10	1MXMG071	\$591.25
Outer Magnet	1	RX15,RX20,RX30	1MXMG23	\$1,467.10
Outer Magnet	1	RX50	1MXMG50	\$1,893.90
Pump Base	1	RX05,RX07	1MXPB07	\$56.35
Pump Base	1	RX10	1MXPB10	\$85.35
Pump Base	1	RX15,RX20,RX30	1MXPB23	\$135.40
Pump Base	1	RX50	1MXPB50	\$391.25
Shaft Support	1	RX10	1MXSS10	\$135.40
Shaft Support	1	RX15,RX20,RX30,RX50	1MXSS25	\$168.55

## T SERIES PARTS

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
<b>IMPELLER KITS</b>			
IMPELLER KIT (CPVC) MODEL T2 FOR 1 & 3 PHASE	T2	1T2IMPKIT	\$369.25
IMPELLER KIT (CPVC) MODEL T4 FOR 1 & 3 PHASE	T4	1T4IMPKIT	\$669.75
IMPELLER KIT (CPVC) MODEL T5 FOR 1 & 3 PHASE	T5	1T5IMPKIT	\$669.75
IMPELLER KIT (CPVC) MODEL T6 FOR 1 & 3 PHASE	T6	1T6IMPKIT	\$669.75
IMPELLER KIT (CPVC) MODEL T7 FOR 1 & 3 PHASE	T7	1T7IMPKIT	\$669.75
IMPELLER KIT (CPVC) MODEL T8 FOR 1 & 3 PHASE	T8	1T8IMPKIT	\$682.75
<b>PUMP HEAD KITS</b>			
PUMP HEAD KIT (CPVC) MODEL T2 FOR 1 & 3 PHASE	T2	1T2PHKIT	\$1,007.45
PUMP HEAD KIT (CPVC) MODEL T4 FOR 1 & 3 PHASE	T4	1T4PHKIT	\$1,116.50
PUMP HEAD KIT (CPVC) MODEL T5 FOR 1 & 3 PHASE	T5	1T5PHKIT	\$1,116.50
PUMP HEAD KIT (CPVC) MODEL T6 FOR 1 & 3 PHASE	T6	1T6PHKIT	\$1,116.50
PUMP HEAD KIT (CPVC) MODEL T7 FOR 1 & 3 PHASE	T7	1T7PHKIT	\$1,116.50
PUMP HEAD KIT (CPVC) MODEL T8 FOR 1 & 3 PHASE	T8	1T8PHKIT	\$1,116.50

\* GFPP and PVDF spare parts available upon request.

## D, S & C SERIES PARTS

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
<b>IMPELLERS</b>			
IMPELLER (CPVC)	S4	PK912	\$438.05
IMPELLER (PVDF)	S4	PK912-2	\$563.95
IMPELLER (PP)	S4	PK912-3	\$410.55
IMPELLER (CPVC)	SS1	16FA00916	\$146.45
IMPELLER (PVDF)	SS1	16FA2-916	\$222.40
IMPELLER (PP)	SS1	16FA3-916	\$144.40
IMPELLER	SS1	16FA6-916	\$160.40
IMPELLER (CPVC)	DD1	16FA00925	\$146.45
IMPELLER (PVDF)	DD1	16FA2-0925	\$222.40
IMPELLER	DD1	16FA6-0925	\$160.40
IMPELLER (CPVC)	D1	16FA01025	\$146.45
IMPELLER (PVDF)	D1	16FA2-1025	\$222.40
IMPELLER	D1	16FA6-1025	\$160.40
IMPELLER (CPVC)	S1	16FA01070	\$130.40
IMPELLER (PVDF)	S1	16F2-1070	\$208.40
IMPELLER (PP)	S1	16F3-1070	\$130.40
IMPELLER	S1	16F6-1070	\$144.40
IMPELLER (CPVC)	S2	16FA01072	\$180.45
IMPELLER (PVDF)	S2	16F2-1072	\$250.40
IMPELLER (PP)	S2	16F3-1072	\$204.40
IMPELLER KIT (CPVC)	S8	PK1078	\$444.85
IMPELLER KIT (PVDF)	S8	PK1078-2	\$549.00
IMPELLER KIT (PP)	S8	PK1078-3	\$609.40
IMPELLER KIT (CPVC)	SS6	PK1078F	\$456.80
IMPELLER KIT (CPVC)	SS6	PK1078F-2	\$561.10
IMPELLER KIT (PP)	SS6	PK1078F-3	\$509.15
IMPELLER KIT (CPVC)	SS7	PK1078G	\$456.80
IMPELLER KIT (PVDF)	SS7	PK1078G-2	\$561.10
IMPELLER KIT (PP)	SS7	PK1078G-3	\$509.15
IMPELLER KIT (CPVC)	S5	PK1089	\$364.50
IMPELLER KIT (PVDF)	S5	PK1089-2	\$575.00
IMPELLER KIT (PP)	S5	PK1089-3	\$392.75
IMPELLER KIT (CPVC)	S16	PK1091	\$757.20
IMPELLER KIT (CPVC)	S12	PK1092	\$679.00
IMPELLER KIT (CPVC)	S12	PK1092-45	\$691.25
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-25S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-27S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-30S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-32S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-35S	\$376.65

## D, S & C SERIES PARTS (cont.)

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
<b>IMPELLERS</b>			
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-37S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-40S	\$376.65
IMPELLER KIT (CPVC)	C5, C7, C8	PK1095-42S	\$376.65
IMPELLER KIT (PVDF)	C5, C7, C8	PK1095-2-25S	\$416.70
IMPELLER KIT (PVDF)	C5, C7, C8	PK1095-2-27S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-30S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-32S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-35S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-37S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-40S	\$416.70
IMPELLER KIT (PVDF)	C5,C7,C8	PK1095-2-42S	\$416.70
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-25S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-27S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-30S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-32S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-35S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-37S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-40S	\$380.50
IMPELLER KIT (PP)	C5,C7,C8	PK1095-3-42S	\$380.50
MOUNTING PLATE	S2,S4,S5,S8	16FA02173	\$236.50
CPVC SEAL SLEEVE	C5,C7,C8	16FA82435	\$24.20
IMPELLER SCREW (CPVC)	C5,C7,C8	16FA02458	\$28.10
IMPELLER SCREW (PVDF)	C5,C7,C8	16F2-2458	\$44.20
IMPELLER SCREW (PP)	C5,C7,C8	16F3-2458	\$28.10
IMPELLER SCREW (CPVC)	S4,S5	16FA02539	\$22.10
IMPELLER SCREW (PVDF)	S4,S5	16F2-2539	\$44.20
IMPELLER SCREW (PP)	S4,S5	16F3-2539	\$28.10
IMPELLER SCREW (CPVC)	S8,SS6,SS7	16FA02546	\$28.10
IMPELLER SCREW (PVDF)	S8,SS7,SS6	16F2-2546	\$44.20
IMPELLER SCREW (PP)	S8,SS7,SS6	16F3-2546	\$28.10
IMPELLER SCREW (CPVC)	S12,S16	16FA02548	\$44.20
<b>PUMP BODIES</b>			
BODY (CPVC)	S1	16FA04604	\$186.40
BODY (PVDF)	S1	16F2-4604	\$364.50
BODY	S1	16F6-4604	\$208.35
END COVER (CPVC)	S1	16FA04605	\$70.15
END COVER (PVDF)	S1	16F2-4605	\$80.15
END COVER	S1	16F6-4605	\$70.15
RETAINER (CPVC)	S2,SS1,DD1	16FA04613	\$24.20
RETAINER (PVDF)	S2,SS1,DD1	16F2-4613	\$48.20
RETAINER (PP)	S2,SS1	16F3-4613	\$28.10
RETAINER	SS1,DD1	16F6-4613	\$28.10
END COVER (CPVC)	S2,SS1,DD1	16FA04615	\$78.25
END COVER (PVDF)	S2,SS1,DD1	16F2-4615	\$104.25
END COVER (PP)	S2,SS1	16F3-4615	\$78.25
END COVER	SS1,DD1	16F6-4615	\$78.25
RETAINER (CPVC)	S6,SS7,S8	16FA04623	\$26.15
RETAINER (PVDF)	S8,SS6, SS7	16F2-4623	\$48.20
RETAINER (PP)	S8,SS6,SS7	16F3-4623	\$34.05
END COVER (CPVC)	S8,SS6,SS7	16FA04625	\$132.30
END COVER (PVDF)	S8,SS6,SS7	16F2-4625	\$222.40
END COVER (PP)	S8,SS6,SS7	16F3-4625	\$156.45
RETAINER (CPVC)	S12	16FA04633	\$34.05
RETAINER (CPVC)	S4,S5	16FA04643	\$22.10
RETAINER (PVDF)	S4, S5	16F2-4643	\$34.05
RETAINER (PP)	S4, S5	16F3-4643	\$26.15
END COVER (CPVC)	S4, S5	16FA04645	\$104.25
END COVER (PVDF)	S4, S5	16F2-4645	\$236.50
END COVER (PP)	S4, S5	16F3-4645	\$138.30

## D, S & C SERIES PARTS (cont.)

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
<b>PUMP BODIES</b>			
BODY (CPVC)	S2	16FA84654	\$250.40
BODY (PVDF)	S2	16FA24654	\$364.50
BODY (PP)	S2	16FA34654	\$260.45
SHAFT ASSEMBLY	S4,S5,S8	4657	\$310.55
BODY (CPVC)	S8,SS6,SS7	16FA84664	\$523.20
BODY (PVDF)	S8,SS6,SS7	16FA24664	\$711.25
BODY (PP)	S8,SS6,SS7	16FA34664	\$549.00
SHAFT ASSEMBLY	S2	4677	\$236.50
PUMP BODY (CPVC)	S4,S5	16FA85084	\$498.80
BODY (PVDF)	S4,S5	16FA25084	\$679.00
BODY (PP)	S4,S5	16FA35084	\$523.20
END COVER (CPVC)	S12	5095	\$396.65
SUPPORT BRACKET	S12	16FA05098	\$208.35
BODY (CPVC)	S16	13RP05103	\$1,199.80
BODY ASSEMBLY (CPVC)	S16	16FA05104	\$2,276.00
END COVER (CPVC)	S16	16FA05105	\$939.80
SHAFT ASSEMBLY	S16	5107	\$454.65
SUPPORT BRACKET	S16	16FA05108	\$236.50
RETAINING RING (CPVC)	S16	16FA05109	\$96.25
BODY ASSEMBLY (CPVC)	S12	16FA05134	\$1,633.05
FLANGE ASSEMBLY (CPVC)	S12	16FA05135	\$951.70
BODY LESS FLANGE (CPVC)	S12	16FA05136	\$731.45
SHAFT	S12	5137	\$416.70
FLANGE ASSEMBLY (CPVC)	S16	13RP05145	\$1,220.40
BODY (CPVC)	C5	16FA05274	\$260.45
BODY (CPVC)	C5	16FA5274W	\$282.55
BODY (PVDF)	C5	16F2-5274	\$468.95
BODY (PP)	C5	16F3-5274	\$364.50
END COVER (CPVC)	C5	16FA05276	\$82.15
END COVER (PVDF)	C5	16F2-5276	\$236.50
END COVER (PP)	C5	16F3-5276	\$136.30
SHAFT	C5,C7,C8	16FA5277S	\$250.40
SEAL RETAINER (CPVC)	C5,C7,C8	16FA05278	\$40.25
BODY (CPVC)	C7	16FA05284	\$260.45
BODY (CPVC)	C7	165FA5284W	\$314.55
BODY (PVDF)	C7	16F2-5284	\$549.00
BODY (PVDF)	C7	162-5284W	\$597.15
BODY (PP)	C7	16F3-5284	\$364.50
BODY (PP)	C7	163-5284W	\$468.95
END COVER (CPVC)	C7	16FA05286	\$94.25
END COVER (PVDF)	C7	16F2-5286	\$288.55
END COVER (PP)	C7	16F3-5286	\$134.35
BODY (CPVC)	C8	16FA05294	\$260.45
BODY (CPVC)	C8	16FA5294W	\$342.60
BODY (PVDF)	C8	16F2-5294	\$575.00
BODY (PVDF)	C8	162-5294W	\$639.35
BODY (PP)	C8	16F3-5294	\$364.50
BODY (PP)	C8	163-5294W	\$450.65
END COVER (CPVC)	C8	16FA05296	\$96.25
END COVER (PVDF)	C8	16F2-5296	\$248.45
END COVER (PP)	C8	16F6-5296	\$120.25
FLANGE ASSEMBLY (CPVC)	S16	13RP05565	\$1,227.95
MOUNTING BRACKET	S16	16FA05568	\$288.55
BODY (CPVC)	SS1	16FA06014	\$260.45
BODY (PVDF)	SS1	16F2-6014	\$364.50
BODY	SS1	16F6-6014	\$300.60
BODY (CPVC)	DD1	16FA06025	\$260.45
BODY (PVDF)	DD1	16F2-6025	\$364.50
BODY	DD1	16F6-6025	\$300.50



## D, S & C SERIES PARTS (cont.)

DESCRIPTION	FOR MODEL NO.	PART NO.	LIST PRICE
<b>SEALS &amp; HARDWARE</b>			
NUT	C5,C7,C8	16FA005-6	\$6.15
O-RING	S2	16FV6-112	\$16.10
O-RING LOCKING NOSE PIECE	C8,S4-S16	16FV6-113	\$16.10
SHAFT O-RING	S4-S8	16FV6-314	\$26.15
O-RING	S12	16FV6-317	\$44.20
O-RING	S16	16FV6-322	\$48.20
O-RING	S1	16FV6-326	\$36.15
O-RING	S2	16FV6-330	\$44.20
O-RING	S4,S5	16FV6-335	\$44.20
O-RING	S8,SS6,SS7	16FV6-341	\$60.25
O-RING	S12	16FV6-432	\$138.30
O-RING (EPDM)	C5,C7,C8	16FE6-435	\$214.45
O-RING	C5,C7,C8	16FV6-435	\$114.35
O-RING	S16	16FV6-438	\$180.45
SHAFT SEAL	C5,C7,C8	PKV20-23	\$132.30
PTFE/CERAMIC SEAL	C5,C7,C8	PKV20-23S6	\$262.55
PTFE/PINK CERAMIC SEAL	C5,C7,C8	PKV20-23S7	\$805.40
PTFE/CARPENTER 20 SEAL	C5,C7,C8	PKV20-23S8	\$533.10
SHAFT SEAL	C5,C7,C8 W/W	PKE20-24	\$257.50
SHAFT SEAL	C5,C7,C8 W/W	PKV20-24	\$262.55
PTFE/CERAMIC SEAL	C5,C7,C8 W/W	PKV20-24S6	\$366.65
PTFE/PINK CERAMIC SEAL	C5,C7,C8 W/W	PKV20-24S7	\$603.25
PTFE/CARPENTER 20 SEAL	C5,C7,C8 W/W	PKV20-24S8	\$603.25
SHAFT SEAL	C5,C7,C8	16FA029-6	\$30.10
FUME SEAL (PTFE) (WAS F29-8)	S12	U29-138	\$96.25
FUME SEAL (PTFE) (WAS F29-9)	S16	U29-188	\$96.25
FUME SEAL (PTFE) (WAS F29-29)	SS1,S1	U29-038	\$10.10
FUME SEAL (PTFE)	DD1,D1	U29-050	\$12.15
FUME SEAL (PTFE) (WAS F29-11)	S2-S8,SS6,SS7	U29-112	\$24.20
RETAINER	C5,C7,C8	U9-15	\$6.15
O-RING (REPLACES 6-222)	C5,C7,C8	U9-297	\$6.15
SCREW (REPLACES 4-65)	C5,C7,C8	U30-74SS	\$4.10
BOLT (REPLACES 4-162)	DD1	U30-489SS	\$2.20
SCREW (REPLACES 4-64)	C5,C7,C8	U30-821SS	\$4.10
SCREW (REPLACES 4-112)	C5,C7,C8	U30-883SS	\$2.20
SCREW (REPLACES 1-28)	S16	U30-886SS	\$8.20
SCREW (REPLACES 4-31)	S1	U30-889SS	\$4.10
SCREW (REPLACES 4.56)	C5,C7,C8	U30-890SS	\$2.20
SCREW (REPLACES 4.43)	S1-S8	U30-893SS	\$6.15
SCREW (REPLACES 4-103)	S5	U30-896ZP1	\$8.20
SCREW (REPLACES 4-104)	S16,S12	U30-897ZP1	\$8.20
SCREW (REPLACES 4-107)	S1	U30-898ZP1	\$6.15
SCREW (REPLACES 4-111)	C5,C7,C8	U30-900SS	\$2.20
SCREW (REPLACES 4-109)		U30-901SS	\$12.15
SCREW (REPLACES 4-110)	S12,S16	U30-902SS	\$12.15
WASHER	D1,DD1	U43-16SS	\$6.15
WASHER	D1,DD4	U43-43SS	\$6.15
WASHER (REPLACES 1-21)	S2-S16	U43-62SS	\$2.20
WASHER (REPLACES 1-11)	C5,C7,C8	U43-108SS	\$4.10
WASHER (REPLACES 1-31)	C5,C7,C8	U43-121BN	\$12.15
WASHER (REPLACES 1-14)	C5,C7,C8	U43-122SS	\$2.20
WASHER	S1,SS1	U43-123SS	\$6.15



# FLOW METER APPLICATION QUESTIONNAIRE

CO. NAME: \_\_\_\_\_ CONTACT: \_\_\_\_\_

End User       Contractor       Distributor       Consultant       Municipal       OEM

ADDRESS: \_\_\_\_\_ TEL: \_\_\_\_\_

EMAIL: \_\_\_\_\_ FAX: \_\_\_\_\_

NAME OF PROJECT (if any): \_\_\_\_\_

DESCRIPTION OF APPLICATION: (Be sure to mention for best Accuracy piping layout 10 diameters before and 5 diameters after the meter)

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Objective: \_\_\_\_\_

Piping Material: \_\_\_\_\_ Size: \_\_\_\_\_ Schedule: \_\_\_\_\_ Ends Skt, Thd, Flg

Temp: \_\_\_\_\_

Line Press: \_\_\_\_\_

Concentration %: \_\_\_\_\_

% Solids: \_\_\_\_\_

Flow Rate: \_\_\_\_\_

Available PWR. 110VAC: \_\_\_\_\_ 24VDC: \_\_\_\_\_

## Output Requirements:



**Remember 24VDC Only. (Requires 24VDC-  
We offer 120VAC - 24VDC Power Supplies)**

Analog 4-20 mA Output: \_\_\_\_\_

One Relay Alarm: \_\_\_\_\_ Two Relay Alarm: \_\_\_\_\_ Pulse Output: \_\_\_\_\_

Batch Control: \_\_\_\_\_

Other: \_\_\_\_\_

Additional Notes: \_\_\_\_\_

Are there any     Filters     Pumps     Controls     Valves     Gauges     Level

% Solids: \_\_\_\_\_ If Solids are Present a Filter or Strainer is Recommended.

# LEVEL SENSOR APPLICATION QUESTIONNAIRE

CO. NAME: \_\_\_\_\_ CONTACT: \_\_\_\_\_

End User       Contractor       Distributor       Consultant       Municipal       OEM

ADDRESS: \_\_\_\_\_ TEL: \_\_\_\_\_

EMAIL: \_\_\_\_\_ FAX: \_\_\_\_\_

NAME OF PROJECT (if any): \_\_\_\_\_

What is the Process Fluid?: \_\_\_\_\_

Concentration? %: \_\_\_\_\_

Max Fluid Temperature?: \_\_\_\_\_ Low Temp: \_\_\_\_\_

What is the Specific Gravity of Liquid?: \_\_\_\_\_

What is the Tank Height?: \_\_\_\_\_

What is the Process Connection? (2" PVC Recommend Bulkhead? + Junction Box?): \_\_\_\_\_

Where is Process Connection located (Top/Side/Bottom?) Other: \_\_\_\_\_

Is the Process Agitated? (Mixers, Sump Pumps?):       Yes       No  
If yes, then a Stand pipe is Recommended.

Is a LED Display and 24VDC Power Supply required to power both the Sensor and Power the 4-20mA signal coming from the Level Transmitter?

Remember 24VDC Power Supply is included with the Display TLV → 120VAC → 24VDC → Sensor → Display

If yes, does the display require...

- |                                    |                              |                             |
|------------------------------------|------------------------------|-----------------------------|
| a) 2 Relay Outputs-(Point Level)   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| b) 4-20mA Output (Signal Repeater) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| c) 4 Relay Outputs Work Like?      | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

If this is a retrofit (Precision Digital or Flowline) - then the TLM Series Controller is recommended \_\_\_\_\_

# Z SERIES METERING PUMP SELECTION WORKSHEET

We want to help you select the proper metering pump for your application. Please take a few moments to tell us about your requirements. All information is used exclusively by us to provide you with an accurate pump recommendation and is never shared or sold:

CO. NAME: \_\_\_\_\_ CONTACT: \_\_\_\_\_

End User       Contractor       Distributor       Engineer       Municipal       OEM

ADDRESS: \_\_\_\_\_ TEL: \_\_\_\_\_

EMAIL: \_\_\_\_\_ FAX: \_\_\_\_\_

NAME OF PROJECT (if any): \_\_\_\_\_

## APPLICATION SPECIFICS:

Chemical To Be Used: \_\_\_\_\_

Concentration: \_\_\_\_\_ %    Viscosity: \_\_\_\_\_ CPS    Specific Gravity: \_\_\_\_\_

Liquid Temperature: \_\_\_\_\_ °F    Pressure at Injection Point: \_\_\_\_\_  PSI  FT    Pump Capacity: \_\_\_\_\_ GPH

Are there Solids in the Liquid?:  YES  NO    If YES, Concentration of Solids: \_\_\_\_\_  %  PPM

Is Pump Suction Flooded?:  YES  NO    If NO, Distance to Self Prime: \_\_\_\_\_ FT

## CONTROL REQUIREMENTS:

Manually Adjustable Flow Output Only     Automatic ON/OFF Control

Automatic Proportional Flow Control via Pulse     Automatic Proportional Flow Control via 4-20 mA

If Automatic via Pulse or 4-20 mA, What is the Input Signal from?:

Actuator     Flow Meter     pH/ORP Controller     Chlorine Residual Analyzer

Process Controller     Other: \_\_\_\_\_

## ELECTRICAL & ENVIRONMENTAL REQUIREMENTS:

Power Input:     115VAC/230VAC Single Phase     12VDC/24VDC

Other: \_\_\_\_\_

Installation Location:     Indoors     Outdoors

Other Requirements or Questions: \_\_\_\_\_

Accessory Equipment Required:     Back Pressure Valve     Pulsation Dampener     Multifunction Valve

Pressure Relief Valve     Calibration Cylinder     Corp Stop/Nozzle Assy.

Tanks     Tank Level Alarms/Control

# HAYWARD INDUSTRIAL PUMP SELECTION WORKSHEET

NOTE: All pumps require flooded suction for optimum performance.

MAXIMUM FLOW REQUIRED: \_\_\_\_\_ GPM

HEAD PRESSURE REQUIRED: \_\_\_\_\_ PSI or \_\_\_\_\_ FEET OF HEAD

LIQUID TYPE & CONCENTRATION: \_\_\_\_\_

LIQUID TEMPERATURE: \_\_\_\_\_ F or C

LIQUID SPECIFIC GRAVITY: \_\_\_\_\_ SG

LIQUID VISCOSITY: \_\_\_\_\_ cST or \_\_\_\_\_ SSU

MOTOR VOLTAGE AND PHASE: \_\_\_\_\_ VOLTS, \_\_\_\_\_ PHASE

SPECIALTY MOTOR REQUIRED? Wash-down or Explosion-Proof

ELASTOMER (SEAL) REQUIRED: FPM or EPDM

ADDITIONAL INFORMATION: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

DRAWING OR SCHEMATIC (IF APPLICABLE):









# NOTES

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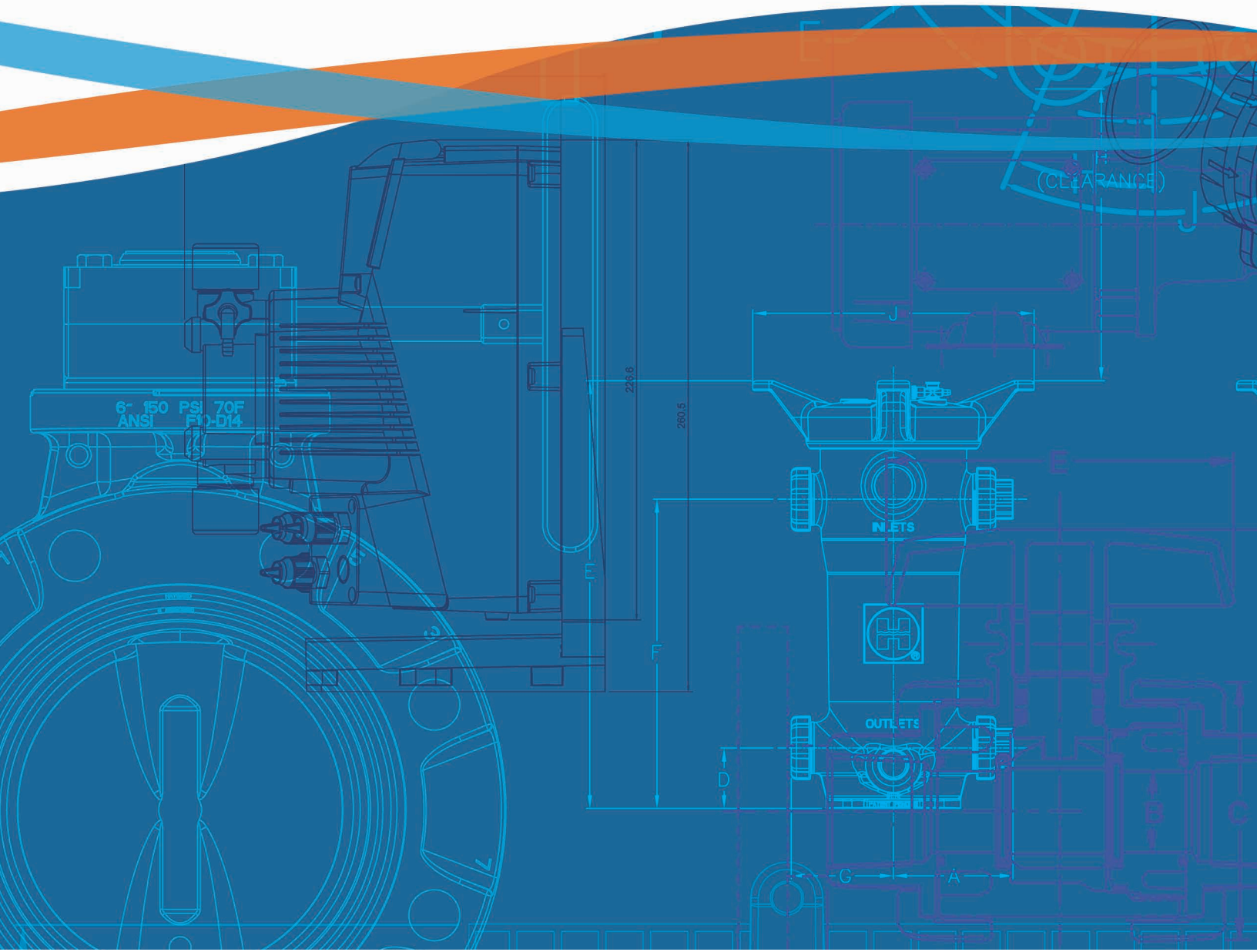
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## TERMS AND CONDITIONS OF SALE

1. **SHIPMENTS:** All shipments are F.O.B. Shipping Point. Unless specified, Hayward will use a carrier we believe best able to serve you. Hayward shall not be liable for failure to deliver or delays in delivering occasioned by acts of God, war, labor difficulties, inability to obtain materials or any other causes whatsoever beyond our control.
2. **CLAIMS:** All claims must be made in writing and received by Hayward within 10 days after receipt of merchandise. If a shipment is received in a damaged condition, a claim must be filed with the delivering carrier and noted on the freight bill before you accept the merchandise.
3. **TWO YEAR WARRANTY:** All products manufactured by Hayward are warranted against defects in material or workmanship for a period of two years from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product or any part or parts thereof found to be defective. **HAYWARD MAKES NO OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** The warranty set forth above is the only warranty applicable to Hayward products and in no event shall Hayward be liable for any delay, work stoppage, cartage, shipping, loss of use of equipment, loss of time, inconvenience, loss of profits of any direct or indirect incidental resulting from or attributable to a breach of warranty. **The remedies under this warranty shall be the only remedies available. OUR MAXIMUM LIABILITY SHALL NOT IN ANY EVENT EXCEED THE CONTRACT PRICE FOR THE PRODUCT.**
4. **RETURNS OF GOODS FOR NON-WARRANTY CLAIM:** Hayward Flow Control will authorize the return of products purchased within the last twelve (12) months in original "like new" packaging of current design, and listed in the current Complete Price Book. All returns must be accompanied by a "Return Goods Authorization" number, which must be obtained from Hayward Flow Control prior to shipment. All returns are subject to inspection upon receipt. No credit will be issued until the returned material has been inspected, accepted and processed. Customers will be contacted if quantity differences and/or non-acceptable material are found during inspection. Credit will reflect only quantities actually received and accepted. Disposition of product(s) not accepted by Hayward Flow Control must be provided by Distributor within 10 business days; otherwise, it will be subject to disposal. Minimum restock charge is \$50.00. All material returns must be received within thirty (30) days of the RGA issuance and shipped freight prepaid. No collect shipments will be accepted. Prepaid freight does not apply to returns due to Hayward Flow Control order entry or shipping errors. Hayward Flow Control will authorize the return of product considered a stock item with a minimum restock charge of 25%. Hayward Flow Control will authorize the return of standard Pump or Actuated product with a minimum restock charge of 40%. Specialty products such as Strainer or Filtration assemblies and Engineered Products are non-cancelable/non-returnable. Restock charges do not apply to returns due to Hayward Flow Control order entry or shipping errors.
5. **RETURNS OF GOODS FOR WARRANTY CLAIM:** When requesting an RGA for product evaluation, the Customer must first complete and submit an In Service Form obtained from Hayward Flow Control Technical Services. Additionally, a Safety Data Sheet (SDS) must be submitted along with the In Service Form to Technical Services prior to receiving a Return Goods Authorization number. All Warranty Claim returns must be accompanied by the SDS, In Service Form and RGA number. Product must be washed and free of service media prior to returning for evaluation. Failure to do so may result in denial of claim and product returned back freight collect. Customers will be contacted if quantity differences and/or non-acceptable material are found during inspection. The Customer will be notified of the evaluation results. If the Warranty Claim is accepted, credit will be issued or replacement product sent. Freight will be credited upon approval of claim. If the Warranty Claim is declined, disposition of product(s) must be provided to Technical Services within 30 business days; otherwise, it will be subject to disposal. Rejected product returned to the Customer will ship freight collect. All warranty claim returns must be received within thirty (30) days of the RGA issuance and shipped freight prepaid. No collect shipments will be accepted.
6. **CANCELLATIONS:** Cancelled orders will be subject to a charge of 30%.
7. **TERMS:** Net 30 days. A 1-1/2% per month service charge, subject to applicable law, will be applied to all past due invoices. You shall be liable for reasonable attorneys' fees incurred by us in collecting any past due invoices.
8. **TAX:** Any Federal or State Excise or Sales Tax for which we may be liable on any sale will be charged to and paid by the buyer. Buyer is responsible for furnishing tax exempt or resale certificate.
9. **FREIGHT ALLOWANCE:** Freight cost will be allowed on orders with a net billing of \$2,000.00 (US Dollars) or more, with our choice of carrier, in the continental United States with the exception of Alaska.
10. **MINIMUM BILLING CHARGE:** \$100.00 net.
11. **PRICING:** Pricing and specifications of products are subject to change without notice. All orders are subject to prior sale and credit approval.
12. **GENERAL:** Any sale shall be governed by the laws of the State of New Jersey (without regard to its conflict of laws rules). Any representation, promise, modification or amendment of these Terms and Conditions of Sale shall not be binding upon us unless in writing and signed on our behalf by a duly authorized representative. The foregoing terms and conditions shall prevail notwithstanding any variance with the terms and conditions of any order submitted by you, unless Hayward expressly consents in writing to such a variance. The terms and conditions are non-transferrable to other parties.



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