

Chemical Feed System Guide



1 define
design

deliver

HAYWARD® FLOW CONTROL –

REVOLUTIONIZING THE FLOW...

For more than 50 years, Hayward Flow Control's thermoplastic fluid handling products and solutions have proven to excel in the harshest environments.

Thousands of customers worldwide have installed our products into aggressive and corrosive systems where the strictest chemical balance is required. We understand the precise demands and are committed to offering advantageous products for your application that will keep your systems working.

Hayward has solutions ready for the demanding needs of chemical feed systems. Our industry leading products are suited for the vast range of requirements of such applications where corrosion and chemical resistance are critical, including, but not restricted to:

- Chemical Dosing
- Transfer and Processing
- Chlorination Systems

Hayward Flow Control products carry an industry-leading, full two-year warranty. As an ISO 9001:2008 certified company, we strive for the highest quality product possible for use in a wide range of demanding applications.

Back Pressure and Pressure Relief Valves

Complete range of thermoplastic diaphragm back pressure and pressure relief valve is field adjustable and operates when the valve exceeds the preset pressure setting.

- 10 - 150 psi Spring
- PTFE/EPDM Diaphragm
- PVC, CPVC, PP or PVDF Machined Body and Noryl Molded Dome
- FNPT Threaded (ANSI or DIN/EN), Socket, True Union Socket or Flanged End Connections



Calibration Cylinders and Columns

PVC and Borosilicate Glass Calibration Cylinders/Columns for Chemical Feed system applications. Calibration cylinders are installed in the chemical metering pump suction line to verify actual delivery against system pressure.

- NPT, Flanged or with True Unions Connections
- High Contrast Graduation Markings
- Direct GPH and mL Readout



Injection Valves and Quills

All thermoplastic Injection Valve and Injection Quill (Economic Solution) for Chemical Feed system. The injection valve is threaded into a process pipe or tank to deliver chemical to a desired application point. The integrated quill keeps the chemical off the wall of the tank or pipe and will ensure better mixing of the chemical with the process fluid.

- Threaded MNPT
- FPM O-Ring Seals (Injection Valve)
- 45° Bevel on Tip



Corporation Stops

All thermoplastic Corporation Stop ideal for Chemical Feed systems.

The corporation stop is threaded into a process pipe or tank to deliver chemicals to a desired application point. The ball valve allows for the removal of the injection Quill while under line pressure for cleaning.

- PVC, CPVC and PP
- 316 SS Chain
- 45° Bevel on Tip
- MNPT and Threaded True Union End Connections



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 for all sizes. Front facing controls, tubing and wiring connections allow for easy and flexible installation.



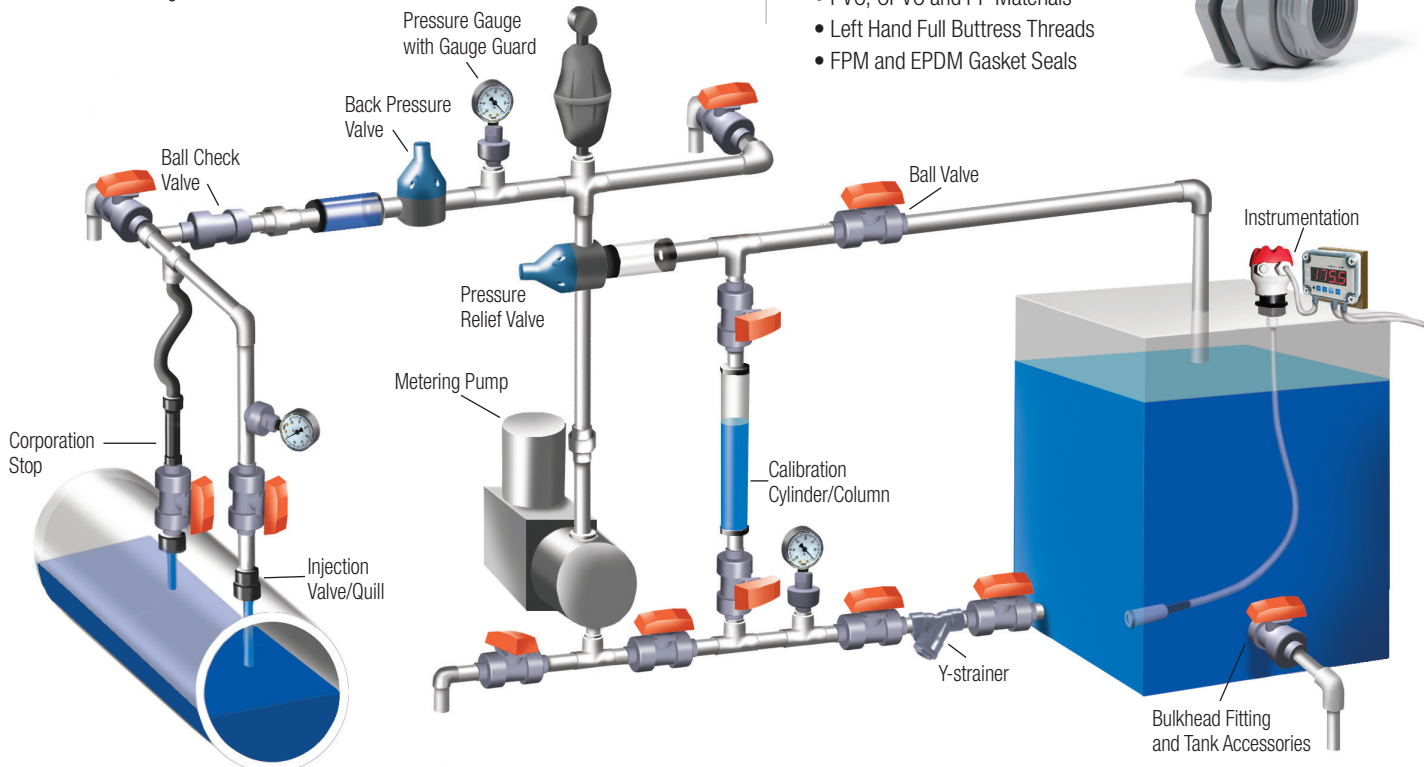
- Analog and Digital Interface
- Three Pump Sizes Cover 1 To 14 GPH
- Standard One Piece Molded PVDF Pump Head
- Injection Molded PTFE Diaphragm Standard
- NEMA 4X Design / IP65 Rated

Instrumentation

Hayward's "Plug & Play" Instrumentation Products feature easy to install designs, thermoplastic construction, high accuracy and simple solutions for challenging processes. All products are made with high performance thermoplastic and corrosion-resistant materials to measure and control processes in the most demanding corrosive environments and chemical systems.



- True Union and Insertion Flow Meters
- Pressure Gauges in All Thermoplastic Construction, with Digital and Analog Displays, as well as Alarm and Continuous Reading Capability.
- Thermoplastic Housed Pressure-level Sensors with Ceramic Diaphragms, providing 4-20mA Outputs, and can be Combined with Wall-mountable Indicating Transmitters



Ball Valves and Ball Check Valves

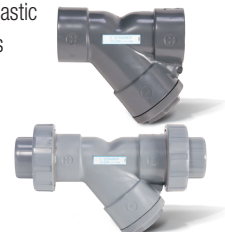
Full range of thermoplastic ball valves in PVC, CPVC and GFPP materials from sizes 1/2" – 6". Features True-Union design with Socket, Threaded, Fusion or Flanged end connectors. Also available are ball check valves in PVC, CPVC and PP materials.



- Full Port Design
- Reversible PTFE Seats
- Double O-ring Stem Seals
- FPM or EPDM O-ring Seals

Y-Strainers

Haywards industry leading Y-Strainers are available in PVC, CPVC and clear PVC materials up to 4 inch diameter, with socket, threaded or flanged end connections. True Union connections are also available with the YS Series. Each Hayward Y-Strainer includes one 1/32" perforated thermoplastic screen. Optional perforations and screen materials are available.



- PVC, CPVC and Clear PVC
- Horizontal or Vertical Installation
- FPM O-Ring Seals Standard, EPDM Optional

Bulkhead Fittings and Tank Accessories

The industry-leading range of corrosion resistant Bulkhead Fittings from 1/2" to 6" in short or long pattern. Now featuring Tank-Tite™ Compression Spring Pack to prevent tank seepage. Other Tank Accessories include Self Aligning Bulkhead Fittings, Air Release Valves and Vacuum Breakers.



- PVC, CPVC and PP Materials
- Left Hand Full Buttress Threads
- FPM and EPDM Gasket Seals



Hayward Customer and Technical Service teams stand ready to assist you with general and technical inquiries about our products, applications, inventory, purchase orders, literature and price lists. We take great care to provide our customers with the best service in the industry.

For more information, please contact us at hflow@hayward.com or **1.888.429.4635**

See us also at haywardflowcontrol.com