



Update 09/2016
Valve actuators



Building HVAC components

Belparts is specialized in the development, production and marketing of components for the automation of HVAC-systems in buildings. We design field components that exactly match market needs. Throughout the development process, we ensure functionality, quality and reliability.

Belparts produces field components for all areas of HVAC, whether production, distribution, or terminal control of heating and cooling, as well as ventilation. Whatever the HVAC-application, we have it covered.

Our field components are designed to be smoothly integrated with any Building Management System (BMS), Direct Digital Controller (DDC), Programmable Logic Controller (PLC), and Supervisory Control and Data Acquisition (SCADA) system.

A leading player for more than two decades

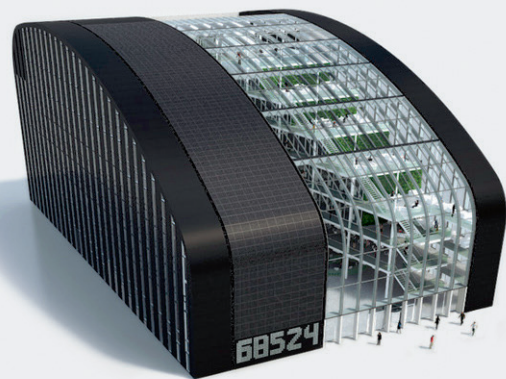
Belparts was established in 1987 by professionals from the HVAC-industry. Since then, we have developed a reputation for intelligent product design and reliable solutions. Our company has enjoyed a healthy success ever since its foundation.

Market driven innovation

We constantly strive for product and system optimizations. Our engineers incorporate the latest proven technological developments into the design of new HVAC-components and understand how to combine high quality with product affordability.

Shared competency and values

The Belparts staff shares a common passion for technology, product design, quality, and HVAC-applications. Each of our team members is both customer and results-oriented, and is trained to think 'innovation'. Integrity and responsibility are prerequisites for every employee.



energetx



Belparts produces a broad range of components that save costs at every single point in your HVAC-system. By selecting the optimal component for each individual situation, considerable amounts of energy can be saved. Our **energetx**-range of products includes control valves, rotating valves, valve and air damper actuators, terminal control valves, and sensors.

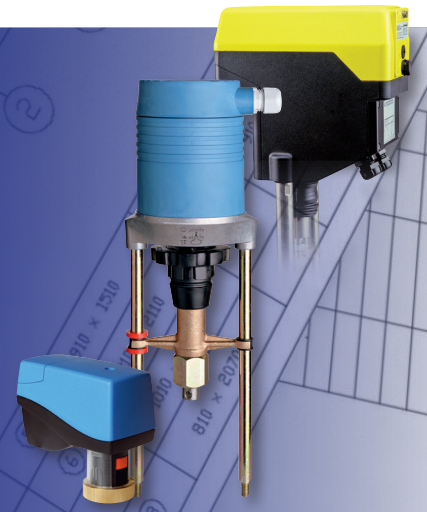
dynamx



Based on our revolutionary Dynamic Flow Networking (DFN) concept, our **dynamx**-valves adjust the flow of energy exactly to the desired conditions. This ensures that only the exact amount of energy is delivered at the right place and at the right time. The result is optimal comfort and reduced energy costs.

energetx

4. Valve actuators



Stroke 5,5 / 9mm	6
3-point control	6
Fail safe actuator	7
IP66	5
ATEX	5
Accessories	7

Product range

The Belparts energetx product range includes a wide range of electric actuators for control valves, mixing valves, butterfly valves, ball valves, etc. These actuators meet the highest standards for ventilation and air conditioning systems applications.

Besides the standard electric actuators, alternatively pneumatic or EEx (ATEX) versions are available. The actuators are designed as a universal solution and they are therefore compatible with most major brands, which enables a seamless integration into the building management system (BMS) of your choice.

On request, special versions (eg, stainless steel (stainless steel), high temperature, etc.) can be delivered.

Belparts online 24h/24h, 7/7

Innovation, advice and tailored solutions: that is what you expect your HVAC specialist to deliver. On top: top-notch quality, because at that level you do not want to make concessions. You are more than right. Because by choosing **field equipment of the highest quality**, you choose not only for **comfort** but also for **sustainable installations and profitable investments**.

For the most up-to-date technical specifications of our products, you can always consult our online product data sheets on our website: **www.belparts.com ▶ products**. Of course we can provide you with a printed version of our product data sheets on simple request.

www.belparts.com



Overview

Standard	SERIES	Stroke max.	Force		Page
	20..	9mm	150N		6
	HLX..	5,5mm	400N		6
	80F..	20mm	800N	3-point control, 3-wire connection	7
	250F..	60mm	2.500N	3-point control, 3-wire connection	7
	500F..	60mm	5.000N	3-point control, 3-wire connection	7
	NC103..	20mm	1.000N	Electro-hydraulic actuator with fail safe function	7
	NC253..	40mm	2.500N	Electro-hydraulic actuator with fail safe function	7

Accessories for electric actuators for control valves: page 91

IP66	SERIES	Stroke max.	Force		
	INRUNx01	60mm	1.000N		1)
	INRUNx05	60mm	5.000N		1)
	INRUNx10	60mm	10.000N		1)

ATEX	SERIES	Stroke max.	Force		
	EXRUNx01	60mm	1.000N		1)
	EXRUNx05	60mm	5.000N		1)
	EXRUNx10	60mm	10.000N		1)

Adaption kits for third party control valves available (Satchwell, ARI, Siemens SBT, Honeywell, Danfoss, Sauter, TAC...)

¹⁾ on request

Electric actuators for control valves 9mm

20..

- U_v : AC 24 Volt or AC 230 Volt
- Overload protected
- Y : 3-point or 0..10Vdc
- Manual override



	TYPE	Stroke max.	Force	AC 24 Volt	AC 230 Volt	Hz 50/60	IP 40	3-point	0..10Vdc	Running time	Adapter	Price €/pc
	20M22.RZ	9mm	150N		●	●	●	●		20s/mm	M30x1,5	181,-
	20U42.RZ	9mm	150N	●		●	●	●	●	20s/mm	M30x1,5	152,-
	20U42	9mm	200N	●		●	●	●	●	20s/mm	M30x1	152,-

Electric actuators for control valves 5,5mm

HLX..

- U_v : AC 24 Volt or AC 230 Volt
- Overload protected
- Y : 3-point or 0..10Vdc
- Manual override



	TYPE	Stroke max.	Force	AC 24 Volt	AC 230 Volt	Hz 50/60	IP 40	3-point	0..10Vdc	Running time	Adapter	Price €/pc
	HLX230	5,5mm	400N		●	●	●	●		140s	1)	157,-
	HLX24	5,5mm	400N	●		●	●	●		140s	1)	157,-
	HLX24SR	5,5mm	400N	●		●	●		●	140s	1)	214,-
	HLX24SR.Si	5,5mm	400N	●		●	●		●	140s	2)	214,-

¹⁾ only for retro-fit (M30x1,5)

²⁾ for valve series VVG44, VVG44, VVI52, V5802D, V5803D








▲ standard

Electric actuators for control valves

NC103..

- U_v: AC 24 Volt, AC 115V or AC 230 Volt
- Automatic self-calibration
- Y: modulating or 3-point (3-wire connection)
- Overload protected
- Running time adjustable
- Manual override



	TYPE	Stroke max.	Force	AC 24 Volt	AC 230 Volt	Hz 50/60	IP 54	3-point	0 .. 10Vdc	4 .. 20 mA	s/mm	VA	Price €/pc
 	80F22	20mm	800N		●	●	●	●			2	6	442,-
	80F24	20mm	800N		●	●	●	●			4	6	442,-
	80F42	20mm	800N	●		●	●	●			2	12	415,-
	80F44	20mm	800N	●		●	●	●			4	12	415,-
 	250F25	60mm	2.500N		●	●	●	●			5	60	927,-
	250F45	60mm	2.500N	●		●	●	●			5	60	877,-
	500F25	60mm	5.000N		●	●	●	●			5	60	957,-
	500F45	60mm	5.000N	●		●	●	●			5	60	907,-
 	NC103U24	20mm	1.000N		●	●	●	1)	●	●	4	25	1.362,-
	NC103U44	20mm	1.000N	●		●	●	1)	●	●	4	25	1.320,-
	NC253U22	40mm	2.500N		●	●	●	1)	●	●	2	50	2.352,-
	NC253U42	40mm	2.500N	●		●	●	1)	●	●	2	50	2.279,-
													

1) 4-wire

⊙ fail safe function

Adaption kits for third party control valves available (Satchwell, ARI, Siemens SBT, Honeywell, Danfoss, Sauter, TAC...)

Accessories for electric actuators

TYPE	Description	Price €/pc
T.HH.ZA70.yy	Auxiliary position switch (2x, potential free)	2)
T.HH.ZA71.yy	Auxiliary position switch (2x, potential free, adjustable)	2)
T.HH.ZA72	IP65 protection	2)
T.HH.ZA75	Power supply AC 115 Volt	2)
T.HH.ZA76	Feedback signal X: 0 .. 20mA or 4 .. 20 mA	2)

2) on request

yy: refers to the type of actuator

▲ standard