



eSyDrive Actuator

For diaphragm and globe valves

Operating principle	Sensor- & brushless motor based on hollow shaft principle
Protection class	IP65
Actuating speed	max. 2 - 6 mm/s
Power supply	24VDC
Analog input	(0)4 - 20mA, 0 - (5)10V
Accuracy	0,3% of full flow
Digital input	3
Analog output	(0)4 - 20mA, 0 - (5)10V
Digital output	2 x change-over contacts 1 x signal fault
Web communication	Ethernet Parameterization via browser connection direct to PC

- Features**
- * Plug & Play
 - * High speed
 - * Manual override standard
 - * Adjustable force & speed
 - * Diagnostic functions
 - * Ideal for control applications
 - * High accuracy
 - * High visibility status and position indicators
 - * Integrated web server
 - * On-off and control modes
 - * Energy efficient motor
 - * Optional fail safe emergency power supply



Type 649

Sanitary Diaphragm Valve

Size	DN10 - DN65 3/8" - 2 1/2"
Body type	In-line ZDL
Body material	M600 multiport Tankbottom SS 1.4435 Special alloys
Diaphragm material	EPDM (USP, FDA, EN 1935/2004) PTFE (USP, FDA, EN 1935/2004)
Surface finish	Ra 0,8 - 0,6 - 0,4 - 0,25µm; EP SF1, SF2, SF3, SF4, SF5, SF6
Connections	Butt weld ASME BPE, DIN, ISO TC ASME BPE, DIN, ISO
Power supply	24VDC
Control mode	Open / closed Positioner Process controller
Pressure range / actuator	DN10 / OA = 0 - 10bar DN 15..25 / 1A = 0 - 10bar DN 32..40 / 1A = 0 - 5bar (EPDM) DN 32..40 / 1A = 0 - 2bar (PTFE) DN 32..40 / 2A = 0 - 10bar DN 50..65 / 2A = 0 - 10bar
Temperature range	-10...100°C (SIP 150°C)
Ambient temperature	-10...60°C
Leakage rate	A to P11/P12 EN 12266-1
Operating time	adjustable, max. 6mm/s



Type 567

Sanitary Low Flow Control Valve

Size	DN8 - DN20 1/2" - 3/4"												
Body type	90° (angle valve body)												
Body material	SS 1.4435												
Plug material	PTFE (PTFE or FKM seal)												
Surface finish	Ra 0,4 - 0,25µm; EP SF1, SF4, SF5												
Connections	Butt weld ASME BPE, DIN, ISO TC ASME BPE, DIN, ISO												
Control mode	Open / closed Positioner Process controller												
Control characteristic	Linear Equal-percentage												
Kv values	<table border="1"> <tr> <td>80 l/h</td> <td>1,0 m³/h</td> </tr> <tr> <td>100 l/h</td> <td>1,6 m³/h</td> </tr> <tr> <td>160 l/h</td> <td>2,6 m³/h</td> </tr> <tr> <td>250 l/h</td> <td>4,1 m³/h</td> </tr> <tr> <td>400 l/h</td> <td>-</td> </tr> <tr> <td>630 l/h</td> <td>-</td> </tr> </table>	80 l/h	1,0 m³/h	100 l/h	1,6 m³/h	160 l/h	2,6 m³/h	250 l/h	4,1 m³/h	400 l/h	-	630 l/h	-
80 l/h	1,0 m³/h												
100 l/h	1,6 m³/h												
160 l/h	2,6 m³/h												
250 l/h	4,1 m³/h												
400 l/h	-												
630 l/h	-												
Service life	1.000.000 cycles												
Pressure range	0 - 10bar												
Temperature range	-10...160°C (SIP 160°C)												
Ambient temperature	-10...60°C												
Leakage rate	VI to DIN EN 60534-4												
Operating time	adjustable, max. 6mm/s												
Approvals plug and seal	USP, FDA, EN 1935/2004												

Low maintenance valve!



Type 539

Globe Valve

Size	DN15 - DN100
Body type	Flanged body
Body material	SS 1.4408 EN-GJS-400-18-LT
Seat material	PTFE, PTFE glassfiber reinforced
Connections	EN 1092 PN16, PN25, PN40 ANSI Class 125.150#
Control mode	Open / closed Positioner Process controller
Control characteristic	Linear Equal-percentage

Kv values	Standard:			Reduced seat:		
	DN	Lin	=%	DN	Lin	=%
15	4,00	4,00		15	0,10	0,10
20	6,30	6,30			0,16	0,16
25	10,00	10,00			0,25	0,25
32	16,00	16,00			0,40	0,40
40	25,00	25,00			0,63	0,63
50	40,00	40,00			1,00	1,00
65	-	63,00			1,60	1,60
80	-	80,00		20	2,50	2,50
100	-	160,00			2,50	2,50
					4,00	4,00
					6,30	6,30
					10,00	10,00
					16,00	16,00
					25,00	25,00
					40,00	40,00
					63,00	63,00
					100,00	100,00
					160,00	160,00
					250,00	250,00

Pressure range	Max 40 bar (depending on size)
Temperature range	-10...180°C
Leakage rate	VI to DIN EN 60534-4
Operating time	adjustable, 2 to max. 6mm/s



Type 549

Angle Seat Globe Valve

Size	DN10 - DN80
Body type	In-line, 90° angle seat body
Body material	SS 1.4408 SS 1.4435
Seat material	PTFE, PTFE glassfiber reinforced
Connections	Butt weld ASME BPE, DIN, ISO TC, Threaded DIN, NPT
Control mode	Open / closed Positioner Process controller
Control characteristic	Linear Equal-percentage

Kv values	Standard:			Reduced seat:		
	DN	Lin	=%	DN	Lin	=%
15	5,00	4,00		20	1,60	1,60
20	10,00	6,30			2,50	2,50
25	15,00	10,00			4,00	4,00
32	24,00	16,00			6,30	6,30
40	38,00	25,00		25	2,50	2,50
50	50,00	40,00			4,00	4,00
					6,30	6,30
					10,00	10,00
					16,00	16,00
					25,00	25,00
					40,00	40,00
					63,00	63,00
					100,00	100,00
					160,00	160,00
					250,00	250,00

Pressure range	Max 25 bar (depending on size)
Temperature range	-10...180°C
Leakage rate	VI to DIN EN 60534-4
Operating time	adjustable, 2 to max. 6mm/s

Fast
Accurate
Efficient

Prepared for the future - Industry 4.0
RFID chip on the body

