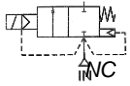


Media: Water or Non Corrosive Fluid
 Pressure range: 0.7 to 16 Bar max*
 Media temperature: -5°C to +100°C
 Ambient temperature: 0°C to +60°C
 Media viscosity: 50 centistokes max
 Cycle life: 500,000 cycles
 Opening / Closing Time: 3-5 Sec



2/2 Ductile Iron

DN50 – DN500

2 WAY NORMALLY CLOSED

SERVO ASSISTED

0.7 – 16* Bar

TYPE BFE-DE



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv L/Min	Pressure Rating (Bar) ΔP		Seals	Part Number	List Price	
			Min	Max*				
DN50	50	1072.5	0.7	10*	NBR (80°C) FKM (100°C)	BFE50D + seal + voltage		
DN65	65	1501.5	0.7	10*		BFE65D + seal + voltage		
DN80	80	2002	0.7	10*		BFE80D + seal + voltage		
DN100	100	3718	0.7	10*		BFE100D + seal + voltage		
DN125	125	5577	0.7	10*		BFE125D + seal + voltage		
DN150	150	7865	0.7	10*		BFE150D + seal + voltage		
DN200	200	14300	0.7	10*	BFE200D + seal + voltage			

OPTIONS

IP65 Coil & Connector PG11 – DIN 43650 A, Manual Override *16 Bar solenoid controller and pipework with M17 high power coil (DN50-300 only) ATEX EExmIT4 II 2G & 2D IP65 T130°C coil Flange options JIS10K, JIS20K, ANSI150Lb Other custom flanges, sizes, seals, media, and pressures available upon request	Included
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ELECTRICAL DATA

Voltage (-10% +10%) Continuous Duty 100%	Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
		Inrush	Holding			
~ 24 – 48 -110 – 230 (50/60 Hz)	31400	48 VA	26 VA	H 180°C	IP65 with connector	3 spades DIN 43650A DIN 40050 VDE 0110
= 12 – 24 – 48 – 80 -200		14 - 20 Watts				
~ 110 – 230 (50 or 60 Hz)	*M17	35VA	26VA	N 200°C		
= 24		19 Watts				

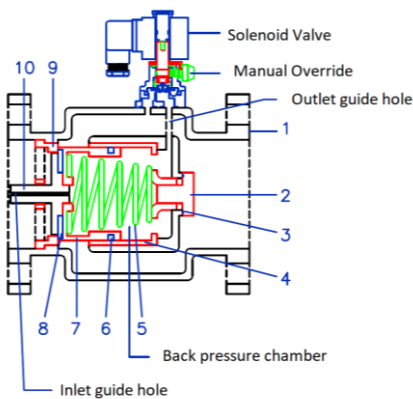
CONSTRUCTION

Body: Ductile Iron with Epoxy Coating (Pressure tested to 32 Bar)
 Piston, Seat & Shaft: Bronze, Bolts: Brass, Spring: Stainless steel
 Ports: Flanged PN16 RF
 Seals and gaskets: NBR (+80°C max), Viton (+100°C max)

REPAIR KIT

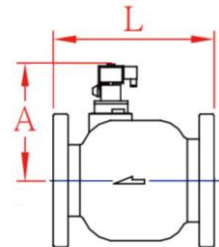
Body Seal Kit	BFE + Port + seal material - KIT
Solenoid valve controller	BFE-NC + seal material – M13 + voltage

OVERALL DIMENSIONS

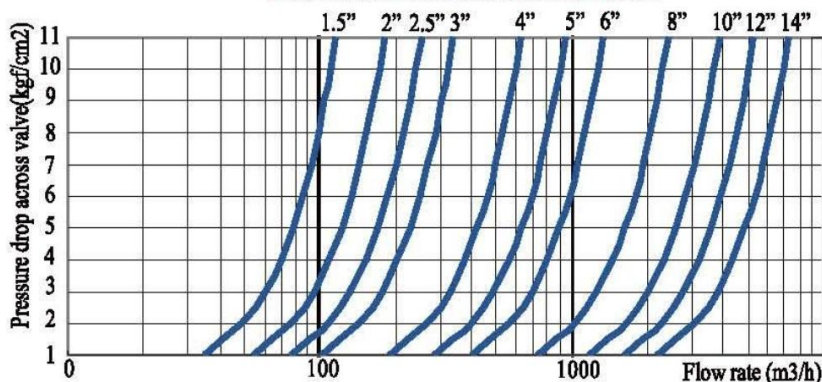


No	Description	Material
1	Main Body	Ductile Iron
2	Cylinder Bolt	Ductile Iron
3	O Ring	NBR (FKM or EPDM)
4	Cylinder	Bronze
5	Spring	SUS304
6	U Ring	NBR (FKM or EPDM)
7	Piston	Bronze
8	Sealing	NBR (FKM or EPDM)
9	Seat	Bronze
10	Shaft	Bronze
11	Solenoid Valve	Brass

Port	L	A	Kg
DN50	190	160	10.7
DN65	210	165	13.7
DN80	225	180	16.7
DN100	250	192	22.7
DN125	280	215	33.7
DN150	310	230	42.7
DN200	420	270	85.7
DN250	470	305	151
DN300	530	340	201



Flow Chart of Solenoid Control Valve



Flange(BFE)