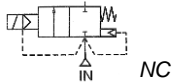


Media: Water or Non Corrosive Fluid  
 Pressure range: 0.7 to 16 Bar max\*  
 Media temperature: -5°C to +100°C  
 Ambient temperature: 0°C to +60°C  
 Media viscosity: 50 centistokes max  
 Cycle life: 500,000 cycles  
 Opening / Closing Time: 3 – 5 Sec



# 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*			Seals NBR	Seals Viton
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		
DN250	250	22880	0.7	10*		BFE250D + seal + voltage		
DN300	300	31460	0.7	10*		BFE300D + seal + voltage		
DN350	350	42900	0.7	10		BFE350D + seal + voltage		
DN400	400		0.7	10		BFE400D + seal + voltage		
DN450	450		0.7	10		BFE450D + seal + voltage		
DN500	500		0.7	10		BFE500D + seal + voltage		

#### OPTIONS

IP65 Coil & Connector PG11 – DIN 43650 A, Manual Override  
 \*16 Bar rated solenoid controller and pipework with M17 high power coil (DN50 to DN300)  
 ATEX 22003EX Coil: ATEX EExmIT4 II 2G & 2D IP65 T130°C ⚠  
 Flange options JIS10K, JIS20K, ANSI150Lb  
 Other custom flanges, sizes, seals, media, and pressures available upon request

**Included**

#### 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				

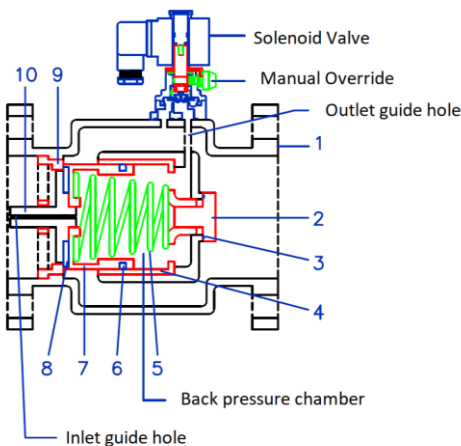
#### CONSTRUCTION

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)  
 Control pipe work circuit & fittings: Copper & Brass

#### REPAIR KIT

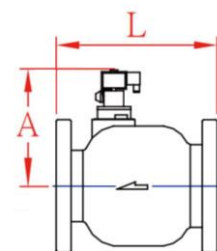
Body Seal Kit	BFE + Port + seal material - KIT
Solenoid valve controller	BFE-NC + seal material – M13 + voltage

#### 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



Flange(BFE)