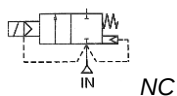


Media: Water or Fluid
 Pressure range: 0.7 to 16 Bar max*
 Media temperature: -15°C to +200°C Max*
 Ambient temperature: 0° to +60°C
 Media viscosity: 50 centistokes max
 Cycle life: 500,000 cycles
 Opening / Closing time: 3 - 5 Sec



2/2 Stainless Steel 304

DN50 – DN300

NORMALLY CLOSED

2 WAY SERVO ASSISTED

0.7 – 16* Bar

TYPE BFE-S



PRESSURE

Ø Port PN16	Ø Orifice (mm)	Flow Kv L/min	Pressure Rating (Bar) ΔP		Seals	Part Number	List Price	
			Min	Max			NBR	Viton
DN50	50	1072.5	0.7	10*	NBR (80°C)	BFE50S + seal + voltage		
DN65	65	1501.5	0.7	10*		BFE65S + seal + voltage		
DN80	80	2002	0.7	10*		BFE80S + seal + voltage		
DN100	100	3718	0.7	10*	FKM (100°C)	BFE100S + seal + voltage		
DN125	125	5577	0.7	10*		BFE125S + seal + voltage		
DN150	150	7865	0.7	10*	*FFKM (200°C)	BFE150S + seal + voltage		
DN200	200	14300	0.7	10*		BFE200S + seal + voltage		

OPTIONS

IP65 Coil & Connector PG 11 – DIN 43650A and Manual Over ride

ATEX EExmIIT4 II 2G & 2D IP65 T130°C coil

*16 Bar rated solenoid controller with M17 high power coil

Other flanges JIS10K, JIS20K, ANSI150Lb

Other custom options, seal material, pressure range and size options available upon request

Included

ELECTRICAL DATA

Voltage (-10% +10%) Continuous Duty 100%		Coil	Power Consumption		Insulation Class	Enclosure	Electrical Connections
			Inrush	Holding			
~	24 – 110 – 230 (50 or 60 Hz)	M16	70 VA	35 VA	F 155°C	IP65 with connector	3 spades DIN 43650 DIN40050 VDE0110
=	12 – 24		26 Watts				
~	110 – 230 (50 or 60 Hz)	*M17	35VA	26VA	26VA		
=	24		19 Watts				

CONSTRUCTION

Body & Piston, Seat, Shaft and Bolts: 304 Stainless Steel (100% Pressure tested to 32 Bar)

Spring: Stainless steel, Ports: Flanged PN16 RF

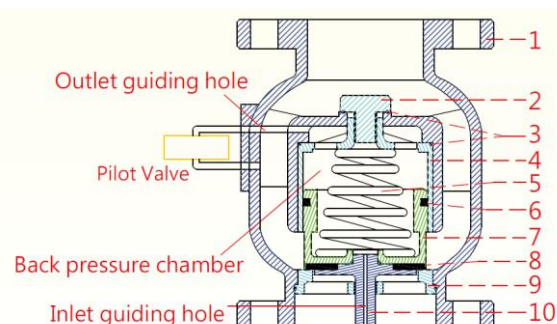
Seals and gaskets: NBR (+80°C max), Viton (+100°C max) or FFKM (+200°C max)

Control Solenoid valve 316 stainless, pipe work circuit + fittings: 304 stainless steel

REPAIR KIT

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

OVERALL DIMENSIONS



No	Description	Material
1	Main body	304 Stainless
2	Cylinder bolt	304 Stainless
3	O-Ring	NBR or Viton
4	Cylinder	304 Stainless
5	Spring	304 Stainless
6	U- ring	NBR or Viton
7	Piston	304 Stainless
8	Sealing	NBR or Viton
9	Seat	304 Stainless
10	Shaft	304 Stainless
	Test Pressure	38 Bar

Port	L	A	Kg
DN50	190	187	12
DN65	210	192	15
DN80	225	210	18
DN100	250	222	24
DN125	280	235	32
DN150	310	260	44
DN200	420	300	87
DN250	470	335	152
DN300	50	370	202

Flow Chart of Solenoid Control Valve

