



BT(F)E Series

Pilot-operated Type

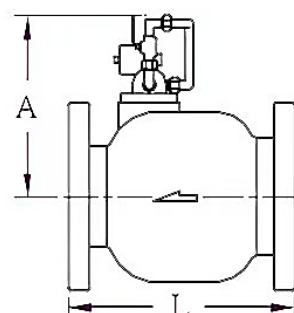
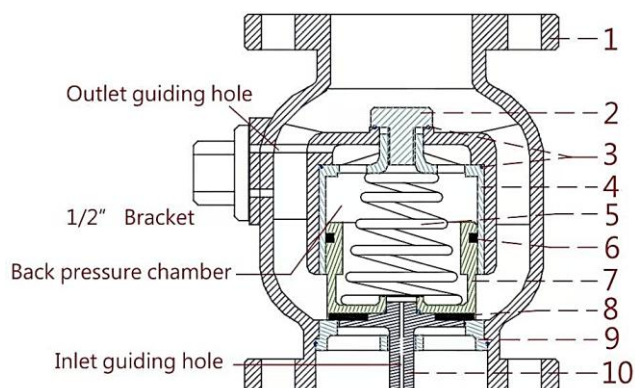
N.C.

High Flow Rate Solenoid Valve - With Manual Override

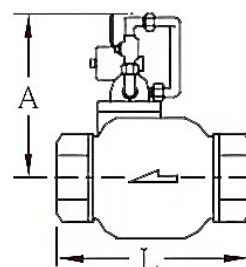
- Suitable for general clean water fluids.
- Pilot-operated solenoid valve with manual switch, allowing valve operation during power outages.
- This model requires a minimum working pressure differential of 1.0 kgf/cm².

Water

Air



Flange(BFE)



Threaded(BTE)

Main Parts List

NO.	Descriptions	Material			
1.	Main Body	Cast Iron	Ductile Iron	Bronze	SCS 304
2.	Cylinder Bolt	Cast Iron	Ductile Iron	Brass	SCS 304
3.	O ring	NBR			
4.	Cylinder	Bronze			
5.	Spring	SUS304			
6.	U ring	NBR			
7.	Piston	Bronze			
8.	Sealing	NBR			
9.	Seat	Bronze			
10.	Shaft	Bronze			
11.	Solenoid valve	Assembly (BSBF or SCS304 or SCS316)			

Common Specification

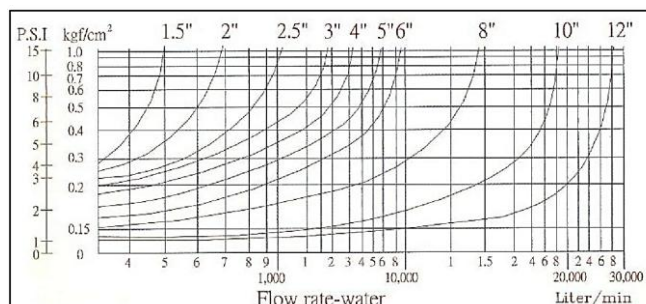
Item	Description
Fluid	Water, Air
Fluid Temperature	-15 ~ 80°C
Power Source	AC 24, 110, 220, 380V 50/60Hz DC 12, 24V
Power Consumption	DC : 21W AC : 24 VA
Fluid Viscosity	-
Installation	Horizontal
Operation	Normally Closed
Coil type	Waterproof : IP65

Model Type

B ☐ E - ☐ ☐ - M13 - L

Size · 40 - 50 (Screw) · 50 - 300 (Flange)
Connection · T (Screw) · F (Flange)

N/A : None L : LED (only for M13)



Valve Specification

Model	Connection		Cv Value	Operating Pressure (kgf/cm ²)	Dimension (mm)		Weight (kg)
	Inches	Type			L	A	
BTE-40-M13	1 1/2"	Screw	19	1 - 12 (Min. working pressure: ΔP = 1)	120	225	5.6
BTE-50-M13	2"		37		200	230	10
BFE-50-M13	2"		37		190	246	12
BFE-65-M13	2 1/2"	Flange (JIS-10K, PN16)	85		212	255	15
BFE-80-M13	3"		110		225	274	18
BFE-100-M13	4"		150		250	306	24
BFE-125-M13	5"		230		284	329	32
BFE-150-M13	6"		450		310	373	44
BFE-200-M13	8"		580		420	401	87
BFE-250-M13	10"		910		470	445	152
BFE-300-M13	12"		1300		535	450	202