

BFV is a sanitary pneumatically or manually operated butterfly valve for use in stainless steel pipe systems. Due to their large opening areas, the valves offer low flow resistance and provide gentle treatment of low and medium viscosity product. The valve is the main solution of modern processing technology.

The actuator is made in three standard versions, normally closed (NC), normally open (NO) and air/air activated (A/A).

A 90° rotation of the valve stem is transferred to the stainless steel disc and thereby opening or closing the valve. When the valve disc contacts the seal ring, the torque will be increased.



Product

BFV - with pneumatic and manual

BFV-M - handle micro adjustment

BFV-F- flange type connection

Seal Ring

Feature	EPDM	Viton	Silicone
Temperature Range	-48~135°C	-29~204°C	-62~232°C
Acid Resistance	Good-Excellent	Good	Good
Alkali Resistance	Good-Excellent	Poor-Good	Poor-Fair
Gasoline Resistance	Poor-Fair	Good-Excellent	Good
Diesel Resistance	Good	Good-Excellent	Good
Abrasion Resistance	Good-Excellent	Good	Good-Excellent
Compression Set	Fair	Good-Excellent	Good-Excellent

* Good-Excellent>Good>Poor-Good>Fair>Poor-Fair

Pressure ranges (kg/cm²)

Size	In 20 °C
1.0	9.6
1.5	9.6
2.0	9.6
2.5	7.5
3.0	7.5
4.0	5.8

Torque ranges

Size	Torque (Kgf.m)
1.0	0.5
1.5	0.7
2.0	1.1
2.5	2.2
3.0	2.6
4.0	3.9

Air consumption ranges (kg/cm²)

Size	Air Pressure	In 6.2kg/cm ² , air consumption
1.0	0.5	1.3
1.5	0.7	1.3
2.0	1.1	1.3
2.5	2.2	1.3
3.0	2.6	1.3
4.0	3.9	2.7

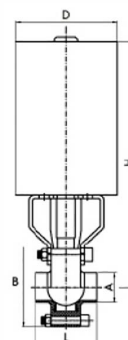
BFV-P-with Pneumatically operated Sanitary Butterfly Valves

Working Pressure	0-10bar
Working Temp.	-40~150℃
Actuator	Pneumatically operated
Seal Material	EPDM / Silicon / Viton
Body Material	316L (EN1.4409 CF3M) , 304 (EN1.4308)
Port Size	DN25-DN100
Connection	Weld, Clamp, Flange, Thread
SurfaceFinish	Internal Ra≤0.5μm, External Ra≤0.8μm
Connection Standard	ISO, DIN, 3A, JIS



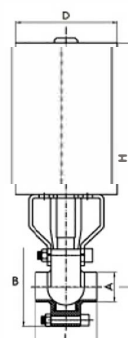
BFV-P (NC) : Automatic Tube Weld

No.	SIZE	A	B	D	H	L
1201300-000025	25	25.0	67	83.5	210	50
1201300-000038	38	38.0	77	83.5	215	50
1201300-000051	51	51.0	90	83.5	222	50
1501300-000250	63	63.5	105	83.5	230	50
1501300-000300	76	76.1	115	83.5	235	50
1501300-000400	101.6	101.6	140	101.6	273	50



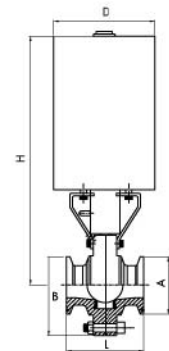
BFV-P(A/A) : Automatic Tube Weld

No.	SIZE	A	B	D	H	L
1201301-000025	25	25.0	67	83.5	210	50
1201301-000038	38	38.0	77	83.5	215	50
1201301-000051	51	51.0	90	83.5	222	50
1501301-000250	63	63.5	105	83.5	230	50
1501301-000300	76	76.1	115	83.5	235	50
1501301-000400	101.6	101.6	140	101.6	273	50



BFV-P (NC) : Clamp Joint

No.	SIZE	A	B	D	H	L
1201400-000025	25	50.5	67	83.5	210	75.4
1201400-000038	38	50.5	77	83.5	215	75.4
1201400-000051	51	64.0	90	83.5	222	75.4
1501400-000063	63	77.5	105	83.5	230	75.4
1501400-000076	76	91.0	115	83.5	235	75.4
1501400-000101	101.6	119.0	140	101.6	273	91.6



BFV-P (A/A) : Clamp Joint

No.	SIZE	A	B	D	H	L
1201401-000025	25	50.5	67	83.5	210	75.4
1201401-000038	38	50.5	77	83.5	215	75.4
1201401-000051	51	64.0	90	83.5	222	75.4
1501401-000063	63	77.5	105	83.5	230	75.4
1501401-000076	76	91.0	115	83.5	235	75.4
1501401-000101	101.6	119.0	140	101.6	273	91.6

