

## Butterfly Valves (BFV-IA Series)



Flange end butterfly valve with handle



Plain end butterfly valve with handle



Plain end butterfly valve with pneumatic actuator

### Application:

- IDMC Butterfly valves are used in sanitary pipeline in dairy, food, beverages and pharmaceutical industry.
- The valve is generally used to shut off the line to isolate the liquid flow.
- It can also be used to control the flow by throttling – gradually opening or closing.

### Features:

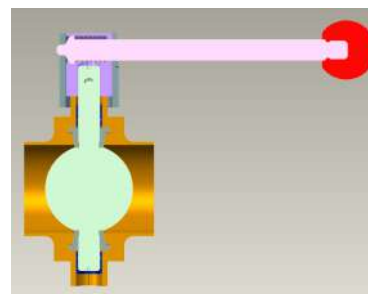
- A low cost and reliable product for continuous operation plants.
- Easy to operate and maintain.
- Designed for direct welding into sanitary piping system.
- Designed for smooth passage of the product with minimum pressure drop across the valve.
- Hygienic design suitable for Cleaning-In-Place (CIP).
- Available with manual operation for all sizes.
- Available for automatic operation through PLC/SCADA system with pneumatic actuator up to SMS 101 size.
- Modular design of the valve enables fitting a common actuator on SMS 25 to 101 sizes.
- The actuator can be equipped with IDMC control head for standard 24 V DC operation or ASi field-bus actuation.
- Control heads are available in two versions 'Economic' and 'Advance'.
- Valve control head LEDs indicate its working position from a distance.
- Available variants of valve body connections like Plain End, Weldable Union End and Flange End.

### Technical specifications:

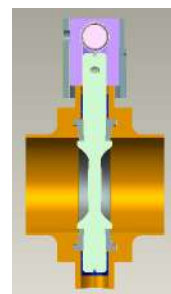
• Sizes	: SMS 25 to SMS 152 (from pipe OD 1" to 6" suitable for ASTM A270)
• Product wetted steel parts	: SS 316 L or SS 304
• Other steel parts	: SS 304
• Product contact gaskets/seals	: EPDM (suitable to US FDA 21 CFR 177.2600)
• Actuator Gasket/Seals	: NBR
• Normal product pressure	: 4 Bar
• Maximum product pressure	: 10 Bar
• Temperature range	: 2° C to 90° C

## Operation/Working:

- The ergonomically designed manual valve handle can be mechanically locked in the open, close and two intermediate positions to regulate the flow from SMS 25 to SMS 152. (Refer valve open and close condition shown on right side).
- Valves can be operated by pneumatic actuator from SMS 25 up to SMS 101.
  - Pneumatic actuator air pressure : 5 bar (minimum)
  - Pneumatic actuator air pressure : 8 bar (maximum)



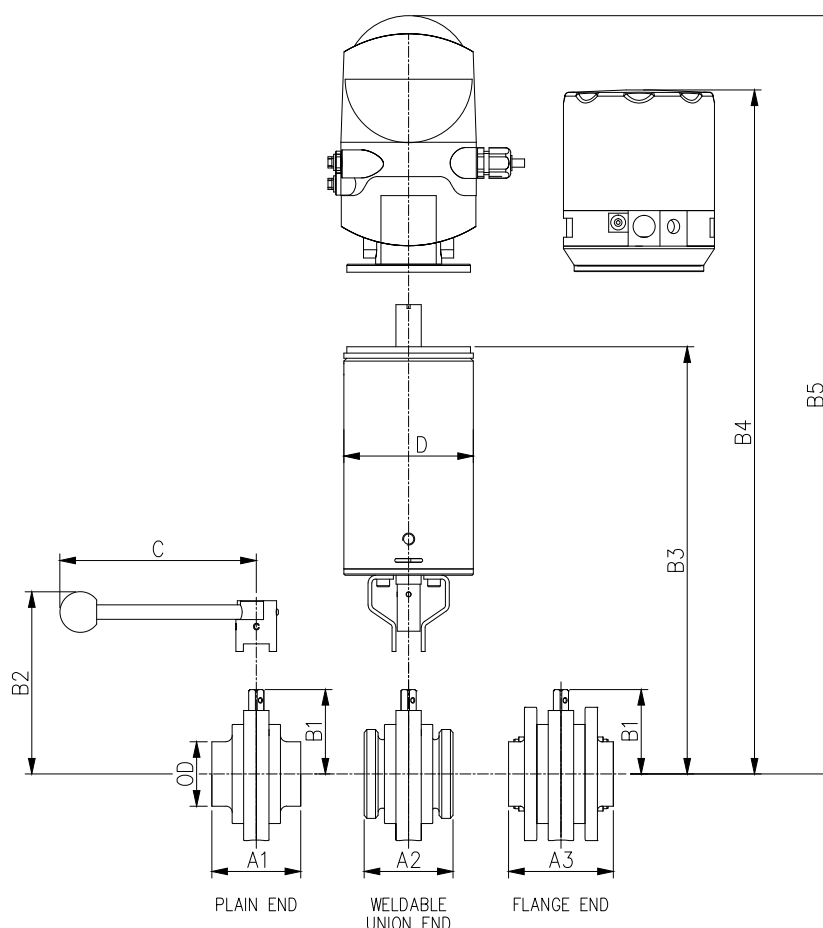
Open condition



Closed condition

## Standard dimensions:

Valve Sizes	Dimensions in mm										
	OD	A1	A2	A3	B1	B2	B3	B4	B5	C	D
SMS 25	25.4	70	70	82	52.5	77.5	219.5	357.5	421.5	155	102
SMS 38	38.1	70	80	82	55.5	80	222.5	360.5	424.5	155	102
SMS 51	50.8	70	76	86	66.5	91	232.5	370.5	434.5	155	102
SMS 63	63.5	80	90	92	70	95	236	374	438	155	102
SMS 76	76.2	80	90	96	76.5	101.5	242.5	380.5	444.5	155	102
SMS 101	101.6	90	90	104	92.5	117.5	258.5	396.5	460.5	155	102
SMS 152	152.4	90	-	112.6	139	166	-	-	-	292	-



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