

DSV MIXPROOF BUTTERFLY VALVE

DSV Mixproof Butterfly Valve

The double disk butterfly valve allows concurrent operations between incompatible liquids, such as process and CIP, by providing an interface between the two.

The valve consists of separate disk and seal arrangements separated by a leakage chamber, which is vented to atmosphere via a drain tube.

The valve can be operated manually or pneumatically. The valve disks are moved simultaneously via a mechanical linkage. During movement of the valve disks, a small amount of product passes down the drain tube. An optional flushing port enables the leakage chamber and drain tube to be cleaned.

The drain and flush ports are open when the main valve is closed and closed when the main valve is open. Operations is either mechanical via a cam arrangement or by pneumatically driven pilot valves.

With the pneumatically driven pilot valve option, opening and closing of the drain and flush ports can be timed so that leakage on changeover is avoided. This option also allows additional cleaning of the drainage tube during CIP of the main which may be desirable with viscous or "difficult" products.

Options

DBV1 Manual valve
DBV2 Actuated valve with or without MBV control box

Specification

Size Range
1" to 6", DN25 to DN150

Materials

Product Contact Surface: Stainless Steel type 316L/DIN 1.4401
Other Metallic Components: Stainless Steel type 304/DIN 1.4301
Seals: Silicon (Standard), EPDM, Viton, Nitrile

Operating Parameters

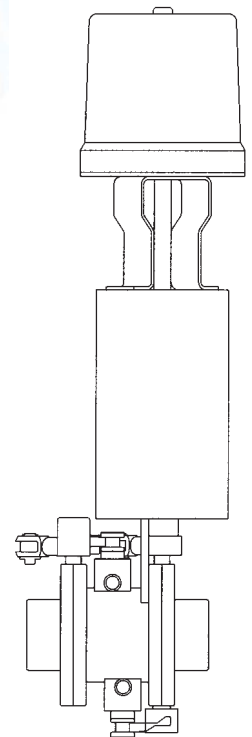
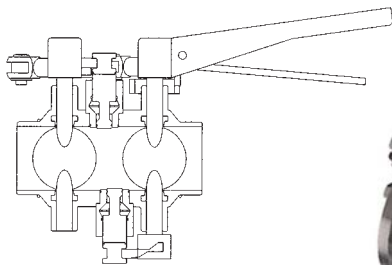
Pressure: 0 to 16 bar

Maximum Temperature:
Operating: 105°C
Cleaning: 130°C (without operation)

Actuator Air Supply: 5.5-6.0 bar

End Connections

Butt weld, RJT, IDF, DIN, SMS, Clamp, Flange, Acme



VALVES SEALS								
	1"	1½"	2"	2½"	3"	4"	5"	6"
Silicon	2000300045B	3000300045B	4000300045B	5000300045B	6000300045B	7000300045B	8000300045B	9000300045B
EPDM	2000300045C	3000300045C	4000300045C	5000300045C	6000300045C	7000300045C	8000300045C	9000300045C
Viton	2000300045D	3000300045D	4000300045D	5000300045D	6000300045D	7000300045D	8000300045D	9000300045D

Note: Two seals are required per valve