Valves

SCANJET BFV (Mark 2)

Introduction
The Scanjet BFV is a 100 % tight blind flange valve, available in different sizes, which can provide full separation between different tank or pipe sections.

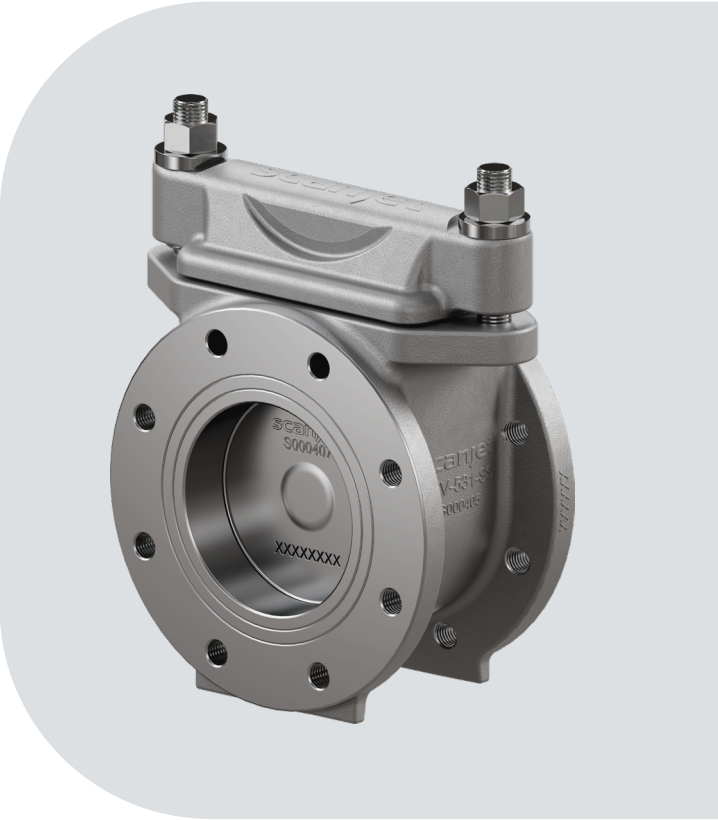
Mounted in the piping between two tanks the blind flange valve can allow full flow between the tanks or full separation between the tanks. In separation mode, the blind flange valve has full visibility of the inside of the blind flange valve and allows for the complete drainage of any external fluids. When the blind flange valve is in flow mode, the valve discs can be safely stored in the specified storage slots on top of the blind flange valve.

The gasket in the lid and discs is made of PTFE, the advantages of PTFE as sealing material is high chemical resistance, excellent temperature performance (both high and low), low friction, and good mechanical properties like flexibility and compressibility.

Application
Typical applications for the BFV:
- Crude Oil Product
- Chemical Tankers
- Inland Barges / Inland Vessels
- Chemical Inland Barges
- Rigs
- Refineries
- Terminals
- Chemical Industries
- Petrochemical Industries

Working principle
The blind flange valve is mounted in the piping between two tanks. To set it in separation mode, open the top of the blind flange valve and insert the flange unit. Tighten the discs by turning the nut until both discs are tight against the sealing surface of the housing. Remove the drain plug (to facilitate for drainage) and let the top be open for easy inspection. It is now possible to store different types of fluid in each of the two tanks with full separation from the blind flange valve.

To change to full flow mode, attach the drain plug, loosen the nut and remove the flange unit. Attach and tighten the lid and put the flange unit in its position on top of the valve.

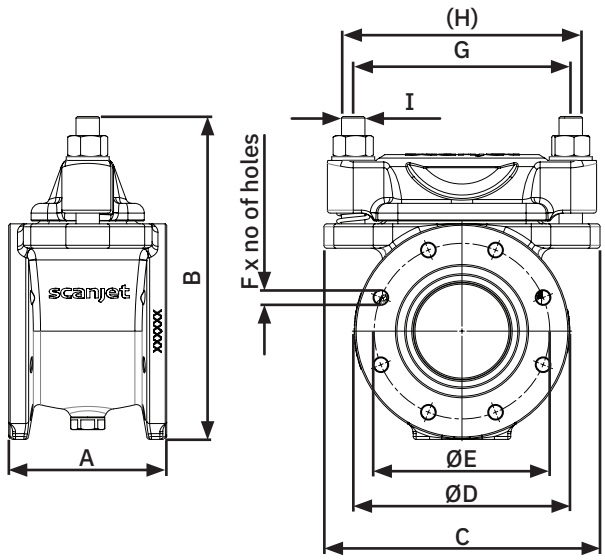


There is now flow between the tanks. Instead of using drain plug a ball valve can be installed for smoother usage which then can be opened to facilitate for drainage.

Benefits
- Full segregation between different fluids
- Double shut off in one position
- Safety against wrong operation
- Drainage of valve body
- Visual inspection
- Quality and Cost
- Simple and efficient design
- Small overall dimensions
- Full Flow

Accessories
The valve comes with a wide range of accessories:
- Service kits
- Tool kits

Drawing



Material

Housing and Lid:	AISI 316L (2.8% Mo)
Discs:	EN1.4462
Sealings:	PTFE

Drainage plug thread size

Sizes smaller than DN80:	G (BSPP) 3/8”
Sizes DN80 to DN250:	G (BSPP) 1/2”

Measurements and Weights

		Measurements (mm) and Weights										
Model	**PN/DN**	**A**	**B**	**C**	**D**	**E**	**G**	**H**	**F**	**No of holes (F)**	**I**	**Weight**
BFV-526-SS-2	PN10/PN16 DN50	154	248	208	Ø165	Ø125	160	180	M16	4	M20	14.3 kg
BFV-528-SS-2	PN10/PN16 DN80	154	312	244	Ø200	Ø160	191	215	M16	4	M20	25.7 kg
BFV-529-SS-2	PN10/PN16 DN100	162	331	283	Ø220	Ø180	223	247	M16	8	M24	32.1 kg
BFV-530-SS-2	PN10/PN16 DN125	162	371	308	Ø250	Ø210	248	272	M16	8	M24	39.5 kg
BFV-531-SS-2	PN10/PN16 DN150	162	396	327	Ø285	Ø240	273	297	M20	8	M24	47.1 kg
BFV-532-SS-2	PN16 DN200	162	451	390	Ø340	Ø295	330	354	M20	12	M24	65.5 kg
BFV-533-SS-2	PN16 DN250	200	519	428	Ø405	Ø355	375	399	M24	12	M24	96.5 kg
BFV-552-SS-2	PN10 DN200	162	451	390	Ø340	Ø295	330	354	M20	8	M24	66.4 kg
BFV-553-SS-2	PN10 DN200	200	514	428	Ø395	Ø350	375	399	M20	12	M24	94.3 kg

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