

FIG. 230, FLAP CHECK VALVE

Size: DN 80 - DN 1500 mm

DESCRIPTION

Flap Check Valves are put on the end of a flanged pipe to allow the flow of water out of the pipe, but prevent anything from flowing back in, such as sticks, leaves or other debris. Under direct pressure the valve will open, and it will close when the pressure from outfall fluid is relieved.

STANDARD DOCUMENTATION INCLUDED

- + EN 10204-2004 3.1 on final product for pressure container parts
- + API 598 or API6D pressure test certificates

FEATURE

Metal seat and resilient seat can be provided. Fast and easy installation. Seating plane is inclined to assure positive closing. Seals at low pressure. Low maintenance. Corrosion resistance. Rectangular or square flap gates can be provided.

OPERATION

When properly installed, the flap valve will swing open under direct pressure to release the outfall fluid and close when the direct pressure is relieved. The MEIJI Valve Fig. 230 Flap Check Valve has a 10-degree inclined seating plane to ensure positive seating.

MAINTENANCE

Periodic inspection is recommended to determine that the flap disc remains free to swing open and that the bronze seats have not been damaged.

INSTALLATION

Valve must be installed so that the bolt holes in the flange, straddle the vertical center line.

PARTS

Parts are available by request. Please contact us for more information.

APPLICATION NOTES

Tests have been performed by Meiji valve. The tests showed that the head loss is small in comparison with other losses in the system. Tests were run with the flap disc removed from the valve and then with the flap disc in place. The difference in the head loss was therefore the result of the disc.



Optional Documents and inspection (costs not included in valve prices)

1. Mill test certificate per lot.
2. EN10204-2004 3.1 witness by third party (inspector fees included) per lot. Mechanical test & Chemical composition analysis on each heat/lot with 3.1 certificate. Final witness test per lot with 3.1 certificate
3. CE/PED+ATEX conformity declaration.
4. Specific quality control plan

Technical Specification

Parts	Material
Body	Cast/ Ductile Iron Stainless Steel
Disc	Cast/ Ductile Iron Stainless Steel Mild Steel
Body Seat Ring	Bronze Stainless Steel
Disc Seat Ring	EPDM/ NBR Neoprene
Bushing	Bronze Stainless Steel
Hinge Pin	Stainless Steel
Pin	Stainless Steel
Disc Seat Bolt	Stainless Steel
Socket Screw	Stainless Steel