General Suppliers

Nozzle Check Valve	PN16
	MV30 - 412
Installation & Maintenance Instructions	

Nozzle Check Valve

INSTALLATION,

OPERATION

AND

MAINTENANCE MANUAL

General Suppliers

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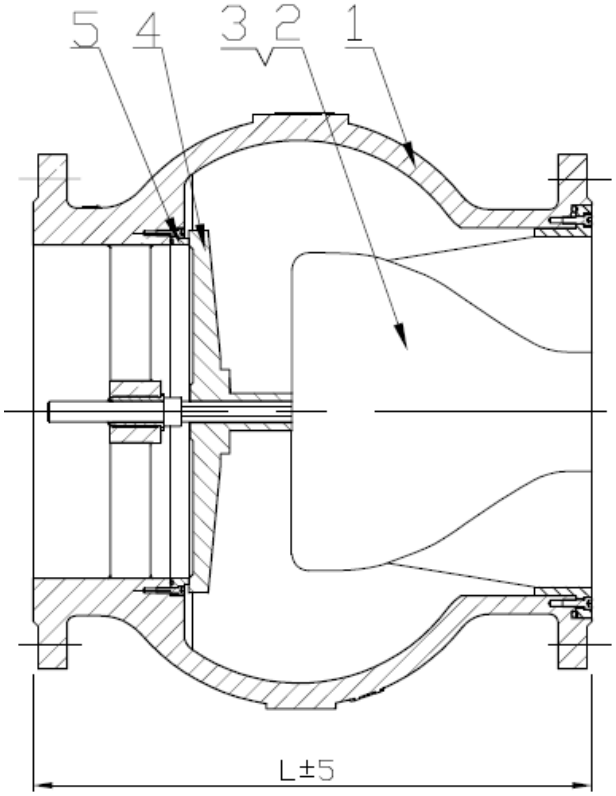
FEATURE

The MV30-412 nozzle check valve has below advantages:

- Nozzle type& aerodynamic design;
- Inherent non-slam characteristic, Quick close;
- Short stroke, low pressure loss;
- Installed in horizontal or vertical direction;

TECHNICAL DIMENSIONS:



Pressure rate: PN16
Working temperature: -20℃~120℃;
Shell Test: 2.4MPa;
Seal Test: 1.76MPa;
Application: W.O.G.

NO.	Name	Material
1	Body	DI
2	Diffuser	DI
3	Spring	SS316
4	Disc	CF8M
5	Seat	CF8M

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INSTALLATION

1. Remove all packaging before installation. The valve and pipeline system should be thoroughly cleaned before valve installation so as to avoid dust, metal chips, sands and stone particles in the pipeline system damaging the sealing surface of valves, resulting in valve leakage.
2. During installation, the media flow direction arrow on the valve should be consistent with the media flow direction in the pipeline system.
3. When installing large diameter heavy valves, lifting rings and lifting holes on the vales should be used. The bolt holes of the valves are not allowed to be used.
4. When installing large diameter heavy weight valves or in a vibrating pipeline, it is better to have a support below the valve, to prevent the vibration or heavy valve damage pipeline.
5. The valve can be installed in horizontal pipeline, vertical pipeline or inclined pipeline. When installed in vertical pipeline or inclined pipeline, media flow direction must towards up.
6. When installing the valve, allow sufficient space to facilitate operation or maintaining the valve.

MAINTENANCE

1. Once installed, valves are generally ready for long-term use without additional maintenance, but valves and piping should be checked regularly.
2. If the system is corroded, check the valve shell for corrosion. If the effective thickness of the shell is corroded away by more than 10%, the valve must be replaced.

STORAGE, PACKING&TRANSPORTAION

1. Valves should be packed in a strong transport case with waterproof facilities to prevent bumping during transport. Both ends of the valve should have a protective cover preventing dust. Check valve should be closed during storage and transportation.

2. If not used for a long time, the valve should be stored in a cool and dry place.