

4 INCH 10.000 PSI CHECK VALVE

The SubseaDesign check valve is designed for high pressure and flow service. Its unique design allows flow with minimum pressure drop and no risk for cavitation.

FEATURES AND BENEFITS

- ✓ Designed for high pressure and flow service
- ✓ Unique drop shape and dynamic design allows flow with minimum pressure drop
- ✓ No risk for cavitation
- ✓ Prevents backflow in the supply line
- ✓ Valve differential opening pressure adaptable up to 5 bar
- ✓ Metal-to-metal sealing between contact surfaces
- ✓ Polymer back-up seal can be implemented
- ✓ Simple and reliable design with few components
- ✓ Body in one piece

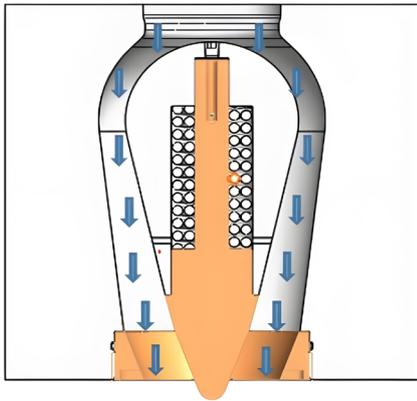


INTERFACES

Can be adapted to all type of flanges and fittings, such as :

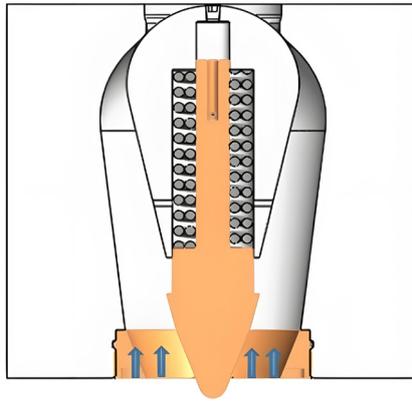
- ✓ API flange
- ✓ ASME flange
- ✓ Compact flange
- ✓ Weco fittings
- ✓ NPT
- ✓ Hub / Clamp interfaces

HOW IT WORKS



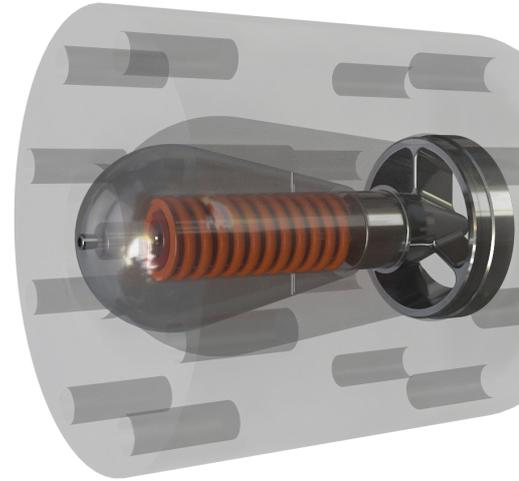
Open

Flow passes smoothly through valve with no flow restriction

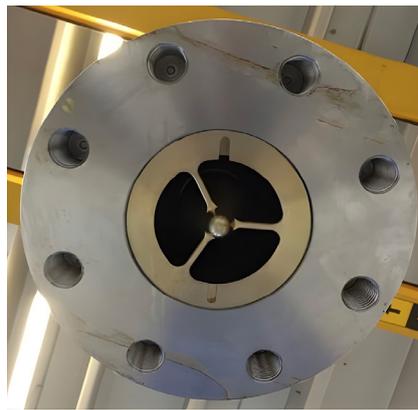


Closed

Full pressure is carried by metal-to-metal sealing between contact surfaces



TOP VIEW



BOTTOM VIEW

TECHNICAL DATA

Typical materials	<ul style="list-style-type: none"> - house: NORSOK M-630 D57 - piston: NORSOK M-630 D57 - rod: NS-EN 1982-CUAL10Fe5Ni5 - spring: Elgiloy/MP35 N
Operating pressure	690 bar
Max. differential pressure	5 bar
Max. supply flow rate	8 m ³ /min
Burst capacity	Same as flange
Temperature range	-40°C to 200°C
Weight	153 kg
Design code	ISO 13628

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