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Заслонки с тройным смещением сварные

Butt Weld Triple offset Butterfly Valve



Short Description:

Size Range: 2"-144" (50mm-3600mm)

Pressure Rating: ASME 150LB, 300LB, 600LB, 900LB,

Temperature Range: -46°C– +600°C

Connection: Butt weld

Shutoff tightness: Zero Leakage

Structure: Multi-laminated , Metal to Metal

Material: Carbon steel, Stainless steel , Aluminum Bronze, Duplex, Titanium, Monel, Hastelloy etc.

Operation: Lever, Gear, Pneumatic, Electric OP

Overview

NSEN Weld type Triple offset butterfly valve could provide both laminated sealing and fully metal sealing. Forged body is to be applied for this series, it could avoid internal looseness that cannot be seen during the casting process and the defects of body strength and axial force by plate welding process. NDE inspection will be done if requested by clients, we could provide the service to arrange it.

- Laminated sealing & Metal sealing

- Low opening torque
- Zero leakage
- Blow out proof shaft
- Friction free between seat and disc sealing
- Tilted cone sealing face

Applicable Standards

Valve Marking: MSS-SP-25

Design & Manufacture: API 609, EN 593

End Connection: ASME B16.25

Test and Inspection: API 598, EN 12266, ISO 5208

Structure

Triple offset butterfly valve add a third angular eccentric based on double eccentric structure. The third offset is consist of an certain angle between center line of valve body and conical seat sealing face, it ensure the sealing ring of the disc can be separated or touched with seat rapidly so that friction and squeeze between seat and sealing ring will be eliminated.

Friction free design

The use of triple eccentric structure reducing the friction during switching between the sealing surface of the disc and valve body, so that the disc can quickly disengage the valve seat when the triple eccentric butterfly valve is opened or closed.

Low opening torque

This serial uses the Radial Dynamically Balanced Sealing System,by means of optimized design, the forces undertaken on both sides for the butterfly disc inlet and outlet become approximately balanced so as to effectively lower the valve opening torque.

Lubricated bearing

In order to reduce the operation torque and avoid lock of stem under frequently open and close, a customized self-lubricating bushing has been applied.

Anti-blow out stem design

Each of valve add the blow out proof design on stem position as per standard API609.

Material

Seal ring of laminated type is made of stainless steel plate with graphite/ carbon fiber/ PTFE etc. Compare to the rubber asbestos plate material, our adopting material is more wearable, anti-flush, reliable and better for environmental.

Seat ring of metal sealed butterfly valve is made of forged alloy steel which has the advantages of anti-scour, wear-resistance, high pressure and temperature resistance and long life span.

Trim material is made of high quality stainless steel, it could avoid the corrosion problem after long time using.

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