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Заслонки с тройным смещением двунаправленные

Triple offset Bi-directional Butterfly Valve



Short Description:

Size Range: 2"-80" (50mm-2000mm)

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

Temperature Range: -46°C-600°C

Connection: Wafer, Lug, Butt Weld, Double Flange

Shutoff tightness: ISO 5208-A , ANSI B16.104-VI

Structure: Multi-laminated

Material: WCB, CF8M, A105, F316, C95800, Titanium, Monel, Hastelloy etc.

Operation: Lever, Gear, Pneumatic, Electric OP

Overview

NSEN Triple offset Bi-directional butterfly valve adopts the replaceable sealing structure of "Stainless steel and graphite laminated ". This ensures reliable sealing performance and longer life span under frequent opening/closing working condition.

- Multi-layer sealing
- Low opening torque
- Zero Leakage for both way

- Friction free between seat and sealing
- Fire safe design to API607
- Replaceable Seat & Disc Sealing

Applicable Standards

Valve Marking: MSS-SP-25

Design & Manufacture: API 609, EN 593

Face to Face Dimension: API 609, ISO 5752, EN 558

End Connection: ASME B16.5, ASME B16.47, EN 1092, JIS B2220, GOST 12820

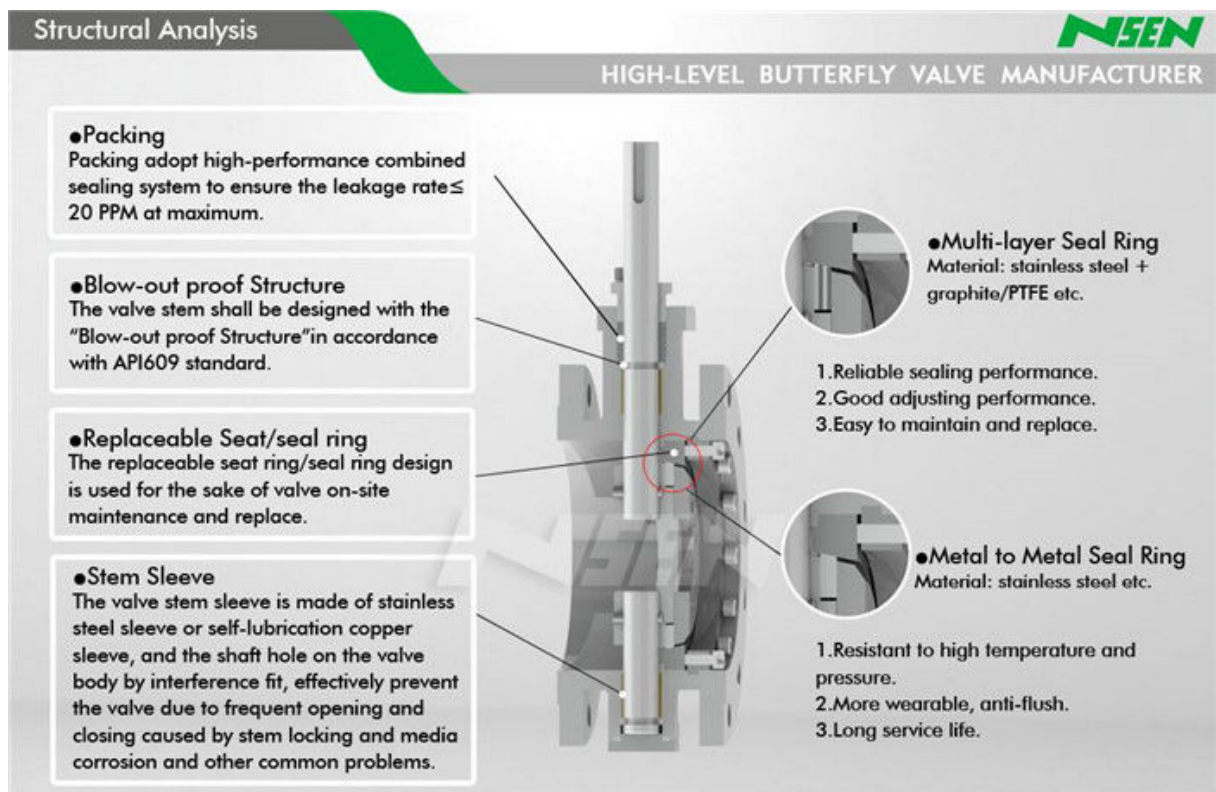
Test and Inspection: API 598, EN 12266, ISO 5208, ANSI B16.104

Top Flange: ISO 5211

Structure

Structure

Triple offset butterfly valve add a third angular eccentric based on double eccentric structure. The third offset is consist of an certain angle be



tween 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.

Bi-directional sealing design

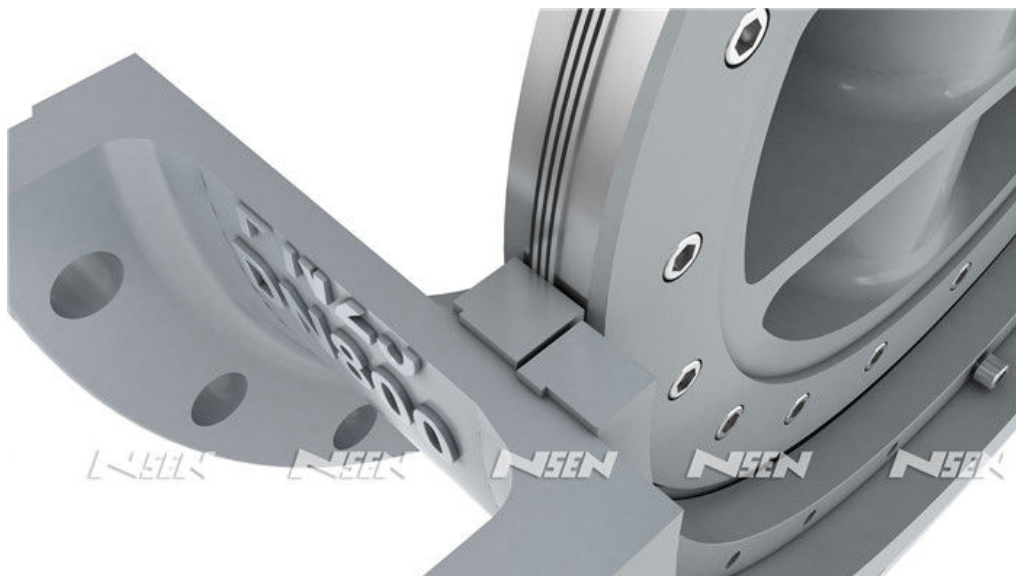
This series could reach bi-directional Zero-leakage requirement in related standard, no matter the hydraulic test or the air test. The highest pressure rating could reach is 600LB.

Low opening torque

This series 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.

Seal ring material

Seal ring of this series is made of stainless steel plate with graphite/ carbon fiber/ PTFE etc. The main sealing is stainless steel plate, non-metal interlayer as the assistant one. This structure makes the valve more reliably sealed and the leakage of sealing reach VI class to ANSI B16.104 or A class to ISO 5208. Compare to the rubber asbestos plate material, our adopting material is more wearable, anti-flush, reliable and better for environmental.



Replaceable sealing ring

The sealing rings of disc and seat are all separate for NSEN series butterfly valve, and they could be replaced when needed. Either the seating ring of disc or seat could be changed individually when it's broken which not only lowers your maintenance cost but also makes maintenance easier.

Packing-combined sealing system

NSEN adopt this structure to ensure valve leakage could meet $\leq 20\text{ppm}$ at maximum. The dynamic sealing structure is available if necessary, which

make the packing sealing under good condition and prolong the free maintenance period of packing.

Evenly Fixed Structure

Butterfly valve's sealing ring is fixed with evenly distributed bolts/nuts. Every bolt is precisely located and endure force evenly. This structure eliminates the problems of leakage or loose sealing ring due to uneven force of bolts and nuts.

Fire safe design and structure

Metal seated structure makes valve fire-safe and meet the requirement in API 607.

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