

SAUNDERS[®] Angle Seat Valves Engineered for high flow, rapid cycle hygienic applications



NEW! MAXIMIZING VALVE LIFE IN EXCESS OF 3 M CYCLES

Applying our core engineering and design philosophy, SAUNDERS[®] Angle Seat Valves have been engineered to meet the exacting demands of process/utility applications across the spectrum of hygienic process industries.

1 LONGER SERVICE LIFE

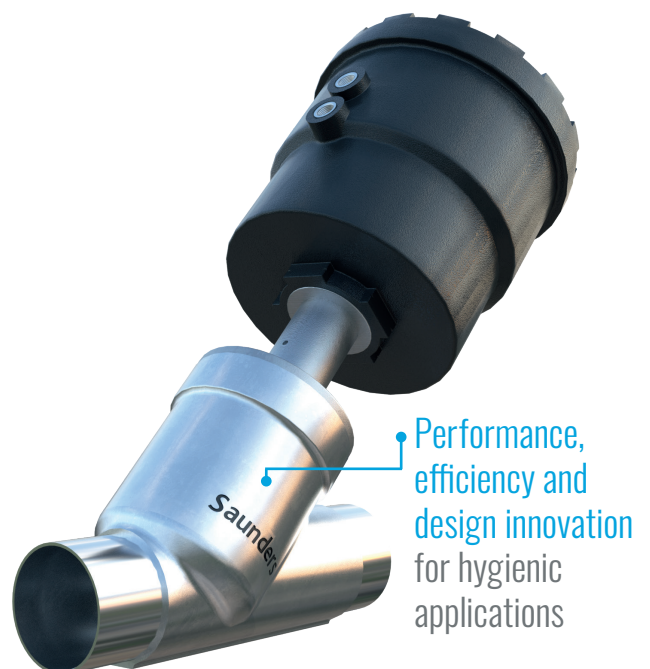
Self aligning disk, multi layered spring loaded V Seals and polished stem interface ensure low friction operation and outstanding service life

2 MAINTENANCE FREE DESIGN

Highly engineered self adjusting packing system and self aligning seat eliminate need for routine maintenance saving significant operational cost and unplanned downtime

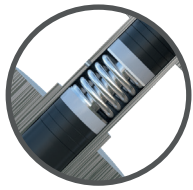
3 EFFICIENT OPERATION

360 degree actuator rotation permits ease of mounting, installation and operation



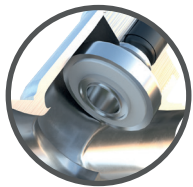
SAUNDERS[®] Angle Seat Valves

SELF ADJUSTING PACKING SYSTEM



Self adjusting spring loaded V seal packing gland system maintains constant pressure on stem packing ensuring a high integrity and secure sealing arrangement, trouble free operation and no unplanned maintenance.

SELF ALIGNING SEAT



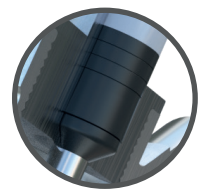
Self aligning seat ensures media containment and repeatable, maintenance free operation. Innovative design permits a flexible, controlled movement as the valve is closed to self adjust and align on the orifice seat. Sealing is 100% ensured.

360° HEAD ROTATION

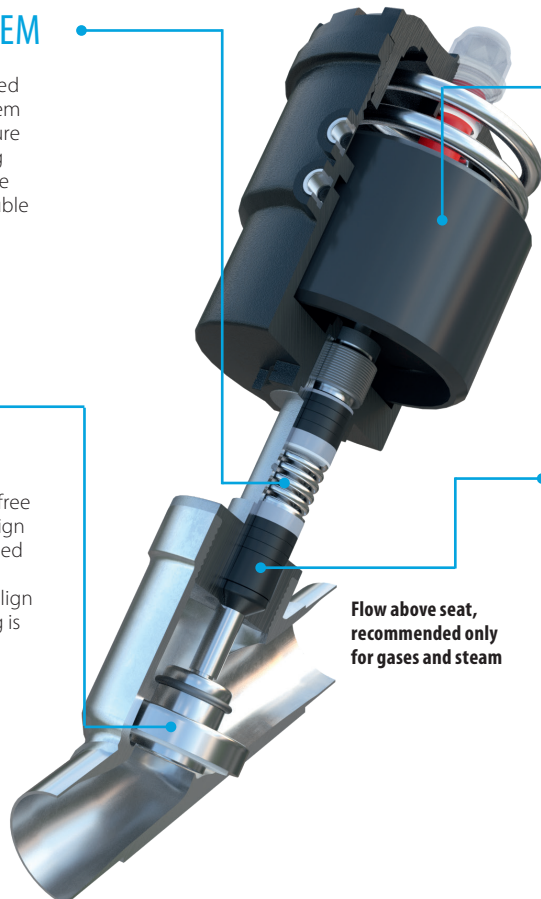


Permits ease of installation mounting and operation. Removes possible exhaust air contamination and sedimentation of particles in operator crevices.

LOW FRICTION OPERATION



Highly engineered interface between sealing system and polished spindle ensure low friction repeatable operation. In addition, the spindle is protected against possible contamination and damage by a contoured wiper ring. Low maintenance and extended lifetime ensured.



Flow above seat, recommended only for gases and steam

Flow below seat (water hammer free) recommended for liquid media

Materials of Construction

- Body Stainless Steel 316L Investment Cast CF3M ASTM A351 (DIN 1.4409)
- Seat, Seal: PTFE/NBR (Option PEEK/FKM)
- Actuator: Corrosion resistant glass filled nylon Grade PA66-GF33

Size Range

- DN 15-50 (0.5"-2.0")

Pressure Rating

- Up to 25 bar

Temperature Range

- PTFE Seat -10 to 180°C (14 to 356°F)
- PEEK Seat for higher temperature up to 220°C (428°F)

Standard Features and Compliance

- PED / CE
- FDA compliant
- DIN 12266-1 leakage rate A (Air bubble tight closure)
- ANSI Class VI

Special Features

- Function: NC/NO/DA Bi Directional Operation
- Suitable up to 20mbar vacuum
- Fast Acting up to 1000 cycles/hour

Typical Applications

Ideally suited to high flow, rapid cycle, higher temperature applications:

INDUSTRIES

- Biotech
- Pharmaceutical
- Food
- Cosmetics
- Beverage
- Process/Utility Applications

MEDIA

- Liquids
- Gases
- Steam
- Air
- Oils

Modular Accessories

Modular design options available to support process integration, such as:

- VUE intelligent position sensing
- Stroke Limiter
- Positioners (Digital and Electro Pneumatic)
- Solenoid options according to global specification

CRANE CHEMPHARMA & ENERGY

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