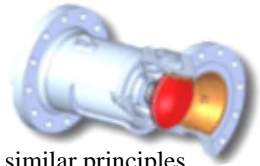




VALVE AND FLOW CONTROL SPECIALISTS
SERVICE AND RELIABILITY

Non Slam Check Valves



Whether you call them axial checks, Nozzle checks or Non-slam checks they operate on similar principles with some inherent design differences and materials.

Each of our valves is specifically sized and designed for a particular flow condition and location giving optimum performance of fast response times with lowest pressure drop of any check valve type.

Hence it is unlikely any reputable manufacturer would offer an off the shelf item in this type of valve unless holding stock from a previous supply agreement for that particular client. Having said that rapid manufacturing times are available for certain popular sizes, materials and pressure classes from readily available components.

Installing a typical inexpensive swing check valve in a critical service application protecting high integrity pumps or compressors or just in difficult hard to access locations is false economy. Installing the right product the first time can give you 15 to 20 years maintenance free operation with no down time or expensive and long lead time equipment replacement.

These valves cope well with variable flow conditions, prevent water hammer, give increased energy savings as well as having API 6D end dimensions permitting interchangeability with most conventional swing check valves without additional expensive piping modification.

Typical applications where Non Slam Check Valves should be used:

- Centrifugal Compressor Discharge
- Reciprocating Compressor Discharge (Sizing is critical for this application)
- Rapid Closure requirements
- Low Pressure Drop Requirements
- Salt Water Fire Safety Systems due to the critical operational nature of this service
- Desalination Reverse Osmosis Process
- Critical Applications
- Non-serviceable Locations
- High system deceleration applications
- Alleviate Valve Slamming applications
- High Temperature critical applications
- Cryogenic Application
- Lethal Service **

Body materials can have various coatings however standard materials are Ductile iron, Low temp Carbon steel, carbon steel, 316 Stainless, 410 Stainless and Duplex stainless Steel.

End connections can be hub end, weld ends or flanged (RF or RTJ).

Size ranges up to 1500nb in class 150 – 300 and 600, up to 900nb in class 900 -1500 and 2500.

ISO9001 manufacturing, PED certification, API Fire certification and materials certification traceability is standard.

Existing clients Australia, APA – Shell – BP – Chevron – Worley parsons – Jacobs Engineering and earlier BG Group.

For further details please contact your local VCS office ensuring you have all the system requirements or if wishing a refurbishment or direct replacement the appropriate model number etc.

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