



CHK series

Bolted bonnet design

NPS 2-36 (DN 50-900), ASME Classes 150-2500

NPS 1³/₁₆-21¹/₄ (DN 46-540), API Classes 5000-15000

Swing check valves are a trusted choice for general-purpose use in both upstream and midstream applications, available in both forged or cast materials, and the design ensures total reliability for high pressure and high temperature services.

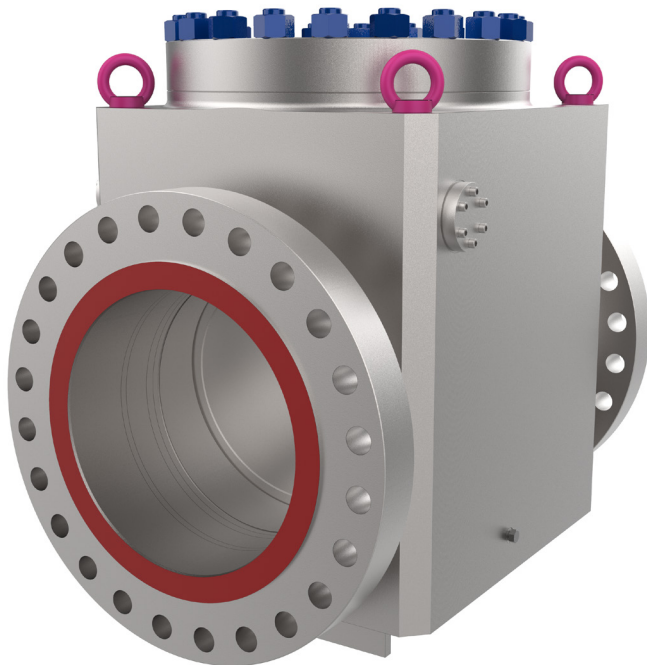
The swinging action of the disc away from the seat allows forward flow and when the flow is stopped, the disc returns to the seat, preventing backflow.

Swing check valves are suitable for installations in lines where pigging operations are required for various maintenance services. The piggable design makes the

swing check valve ideal for installation in riser pipelines and subsea applications.

Convenience of operation and simple in-line maintenance are essential features of our design. Internal parts can be inspected and repaired without removing the valve off the pipeline even where space is restricted as in the top-entry trunnion ball valve construction.

The valve can be installed in both vertical and horizontal positions and offers unsurpassed quality and reliability—while the simple design minimizes maintenance costs. Material selection is fully customizable to meet customers project specifications.



Design features

- Metal-seated with hardfacing on disk and seat.
- Welded-in-seat ring.
- Secondary seals in pure Graphite.
- Easy in-line maintenance as in the top-entry trunnion ball valve construction.
- Suitable for horizontal and vertical (flow-up) installation.
- Suited for low velocity service.
- Fully piggable design.
- De-clutchable device for lock opening during pipeline cleaning.

Operator

- Automatic

Specifications

Valve design	As per API 6D or API 6A standards and customer requirements.
Body design	Forged or cast bolted one-piece
Temperature range	-150 to 428°F (-101 to 220°C)
Face-to-face	As per API 6D or Velan standard
End connections	RF, RTJ as per B16.5 & B16.47 BW, Butt weld as per B16.25 Hub connection 6B, 6BX as per API6A

Testing & certification

- Compliance with inspection and testing: API 6D, ISO 5208, and API 598 or API 6A.
- Fire safe and fire tested as per API 6FA/607.
- PED 2014/68/UE.
- Available as per API 6A standard:
Product specification levels PSL 1, 2, 3, 3G, and 4.
Performance requirement levels PR1, PR2.
Design validation as per PR2F.