



Dual plate check valves

Quick sheet

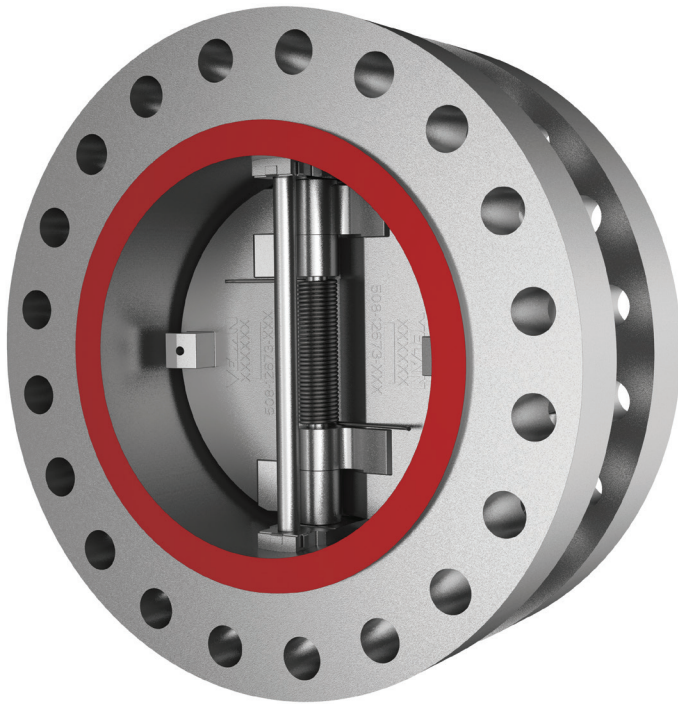
DPW, DPF, DPH, DPM series

NPS 2–48 (DN 50–1200), ASME Classes 150–2500

Proquip dual-plate check valves offer a unique compact design with high performance. The special retainerless body and the quick acting spring provide a fast-acting response to flow reversal, minimizing stress and maximizing service life.

The valve is designed with two discs hinged at their sides like a door, eliminating the effect of gravity. Consequently, very little energy is needed to open the valve and maintain this position, resulting lower energy loss.

The reduced weight of a dual-plate valve disc versus the full-bodied swing check is a major factor in minimizing slamming and water hammer—making it the optimal solution to ensure system safety. Material selection is fully customizable to meet customers project specifications.



Specifications

Valve design	As per API 594 standard and customer requirements
Temperature range	-320 to 662°F (-196 to 350°C)
Face-to-face	As per API 594 standard Also complies with API 6D, ISO 14313, ASME B16.10
End connections	RF, RTJ as per B16.5 & B16.47

Design configurations

DPW	DPF	DPH	DPM
One-piece forged or cast wafer type	One-piece forged or cast double flanged type	One-piece forged or cast hub type	One-piece forged or cast lug type

Design features

- Metal-seated with hardfacing on discs and seat.
- Retainerless design—no holes through the body wall, therefore emission-free.
- Lightweight discs for fast closing without backflow.
- Shock bumpers extend the cycle life of the valve trim with minimal wear under the most severe services.
- Spring assisted design.
- Extended seat life—no dragging effect in the valve while in the fully open position. The integrity of the sealing area is extended.
- Good dynamic response.
- Low pressure drop.
- Intrinsically fire safe—no drilling through the body wall.
- Compact and lightweight design.

Operator

- Automatic

Testing & certification

- Compliance with API 594 or API 6D, ISO 5208 and API 598 inspection and testing.
- Fire safe design API 6FA/607
- PED 2014/68/UE.