

STOP CHECK VALVE

Stop Check Valve

REF **EFC-504** ISSUED 07 Jul 2026

SPECIFICATIONS

Size	DN50 to DN600
Pressure	PN10 / Class 150 to PN420 / Class 420
End connection	flanged (ASME B16.5) / flanged (GB/T 9113) / butt weld (ASME B16.25 / GB/T 12224)
Face-to-face	ASME B16.10, GB/T 12221
Temperature	-60°C to 538°C
Media	Petroleum, Chemical, Pharmaceutical, Fertiliser, Power industry fluids, Low-temperature media

STANDARDS

Design	API 6D, API 602, ASME B16.34, GB/T 12235
Test	API 598, GB/T 13927

APPLICATIONS

- Petroleum pipelines
- Chemical pipelines
- Pharmaceutical pipelines
- Fertiliser industry pipelines
- Power industry pipelines
- Low-temperature pipelines
- Pump outlet lines requiring combined stop and check function



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

MATERIALS

Body	Carbon Steel, Stainless Steel, Alloy Steel	Disc and seat sealing surface	Iron base alloy (surfacing), Stellite cobalt base carbide (surfacing)
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FEATURES

- Dual function: operates as a stop valve when stem is lowered and as a check valve when stem is raised
- Stem and disc are not mechanically fixed, enabling independent check valve action
- Disc and seat sealing surfaces are hard-faced with iron base alloy or Stellite cobalt base carbide
- Sealing surface provides wear resistance, high-temperature resistance, corrosion resistance, and extended service life
- Lower disc-to-seat friction compared to gate valve, improving wear resistance
- Reduces installation cost and space on lines requiring both stop and check functions
- Size range NPS 2" - 24" (DN50-DN600)
- Pressure rating Class 150-420 / PN10-420
- Temperature range -60 °C to +538 °C