

AXIAL FLOW CHECK VALVE

Axial Flow Check Valve

REF **EFC-518** ISSUED 07 Jul 2026

SPECIFICATIONS

Size	DN50 to DN600
Pressure	PN10 / Class 150 to PN420 / Class 420
End connection	flanged (ASME B16.5) / flanged (ASME B16.47) / flanged (GB/T 9113) / flanged (JB/T 79) / flanged (HG/T 20592) / flanged (EN 1092) / flanged (GOST 33259) / butt weld (ASME B16.25) / butt weld (GB/T 12224)
Face-to-face	ASME B16.10, GB/T 12221, EN 558
Temperature	-60°C to 538°C
Media	Petroleum, Chemical media, Pharmaceutical media, Fertiliser process media, Power industry media, Cryogenic fluids

ACTUATION

- spring — Spring-driven spool for quick opening and closing
- fluid pressure — Fluid-pressure-driven spool for quick opening and closing

STANDARDS

Design	API 6D, API 602, ASME B16.34, GB/T 12235, GB/T 21387
Test	API 598, API 6D, GB/T 13927, JB/T 9092, GOST 9544

APPLICATIONS

- Oil and gas pipelines
- Chemical industry pipelines
- Pharmaceutical industry pipelines
- Fertiliser industry pipelines
- Power industry pipelines
- Low-temperature (cryogenic) service pipelines

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



MATERIALS

Body	Carbon Steel, Stainless Steel, Alloy Steel	Sealing surface	Hard Alloy
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FEATURES

- One-piece wing-type streamlined flow channel
- Low fluid resistance due to axial flow design
- Hard alloy sealing surface
- Flexible disc design
- Quick closing with small closing impact force
- Spool aligned with flow direction
- Actuated by spring or fluid pressure