

CHECK VALVE

Single Disc Check Valve

REF **EFC-505** ISSUED 07 Jul 2026

SPECIFICATIONS

Size	NPS2 to NPS12
Pressure	Class 150 / PN20 to Class 2500 / PN420
End connection	flanged (ASME B16.5) / flanged (GB/T 9113) / butt weld (ASME B16.25) / butt weld (GB/T 12224)
Face-to-face	API 6D, GB/T 12221
Temperature	-196°C to 550°C
Media	High temperature and high pressure working media, Toxic and harmful dangerous liquids, Petroleum / refining streams, Petrochemical streams, Water



ACTUATION

- manual
- pneumatic
- electric
- spring-assisted closing — Prevents backflow of medium

STANDARDS

Design	API 594, GB/T 12235
Test	API 6D, GB/T 13927

APPLICATIONS

- Power industry
- Petroleum refining
- Petrochemical
- Offshore oil
- Urban water engineering
- Chemical industry

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

MATERIALS

Body	Carbon steel, Stainless steel, Alloy steel	Disc surface	Hard alloy cladding
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FEATURES

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- Low-inertia swing-type disc design with fast response
 - Adjustable closing time
 - Hard alloy cladding on disc-to-seat contact surfaces for wear resistance
 - Spring-assisted closing option to prevent backflow
 - Compact overall structure
 - No restriction on installation orientation
 - Maximum working pressure Class 2500
 - Fluid dynamics design to reduce water hammer impact
 - Compliant with API 6D

OPTIONS & NOTES

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- etc. noted alongside material and operator options, implying additional variants available on request