

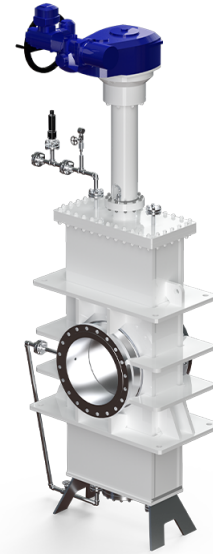
DOUBLE DISC GATE VALVE

# Double Disc Gate Valve-Ethylene

REF EFC-512 ISSUED 07 Jul 2026

## SPECIFICATIONS

Size	NPS 6" to NPS 60"
Pressure	Class 150 / PN100 to Class 2500 / PN420
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 / GB/T 12224)
Face-to-face	ASME B16.5, ASME B16.47, GB/T 9113, JB/T 79, HG/T 20592, EN 1092, GOST 33259
Temperature	-60°C to 538°C
Media	cracked gas, tap water, sewage, petroleum, chemical media, food media



## ACTUATION

- manual
- electric — Fully enclosed, weather-resistant actuator

## STANDARDS

Design	ASME B16.34, GB/T 12234
Test	API 598, API 6D, GB/T 13927, JB/T 9092, GOST 9544

## APPLICATIONS

- Petrochemical industry – cracked gas handling
- Oil and gas
- Chemical processing
- Water supply and sewage
- Construction
- Food industry

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

**MATERIALS**

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Body	<b>Carbon Steel, Stainless Steel, Alloy Steel</b>	Seat seal	<b>PTFE</b>
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**FEATURES**

- Floating seat with O-ring seals for bidirectional sealing at approximately half the standard operating torque
- Dual PTFE and metal sealing: PTFE-to-metal and metal-to-metal seat sealing with debris-cleaning capability
- Grease injection port at seat enabling zero-leakage sealing
- Flow guiding holes in gate to protect sealing surfaces from media erosion
- Straight, smooth full-bore channel when fully open for low flow resistance and pipeline pigging capability
- Self-sealing packing structure with auxiliary grease injection for near-zero packing leakage
- Self-relieving seat that automatically releases trapped cavity pressure when valve is closed
- Fully enclosed, weather-resistant actuator suitable for all ambient conditions
- Open/closed position indicator
- Dual soft seal structure with multiple sealing rings
- Automatic self-cleaning mechanism removes deposits during operation

**OPTIONS & NOTES**

- Operator options listed as 'Manual, Electric, etc...' — additional actuator types available on enquiry