

CONTROL VALVE

Axial Flow Control Valve

REF **EFC-464** ISSUED 07 Jul 2026

SPECIFICATIONS

Size	DN50 to DN1200
Pressure	Class 150 to Class 2500
End connection	flanged
Temperature	-46°C to 280°C
Media	natural gas, crude oil, refined oil, non-corrosive gases, non-corrosive liquids

ACTUATION

- electric
- pneumatic
- hydraulic

STANDARDS

Test	FCI 70-2, IEC 60534-4
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APPLICATIONS

- Oil & Gas
- Chemical
- Water
- Mining
- LNG
- Power



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

MATERIALS

Body	WCB, CF8, CF8M	Trim	304, 316, 1Cr17Ni2
Seat ring	NBR, FKM		

FEATURES

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- Self-balanced pressure design on upper and lower sides of the valve plug enables tight shutoff with low actuator thrust
 - Suitable for large-size and high-pressure applications
 - Straight-through streamlined internal flow path reduces flow resistance and achieves higher Cv value
 - Flow capacity increased by approximately 20% - 50% compared to conventional designs
 - Low flow resistance coefficient
 - High-precision positioning and fast response
 - Rangeability of 100:1
 - Leakage Class IV, V, or VI per FCI 70-2 and IEC 60534-4
 - Flow characteristics: linear, equal percentage, or customised
 - Compact design and small installation footprint
 - Long service life and low maintenance requirements

OPTIONS & NOTES

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- Other body materials available upon request
 - Other trim materials available upon request
 - High-performance sealing rings available for seat ring