

CONTROL VALVE

C700 Series Cage-guided Control Valve

REF EFC-462 ISSUED 06 Jul 2026

SPECIFICATIONS

Size	DN25 to DN700
Pressure	PN16 to CL2500
End connection	flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged / flanged
Temperature	-196°C to 525°C
Media	Water, Petroleum products, Chemical media, Metallurgical process fluids, Mining fluids, Textile process fluids, Energy sector fluids, Paper industry fluids, Food industry fluids, Steel industry fluids, Liquefied natural gas (LNG)



ACTUATION

- pneumatic — RSMF series multi-spring pneumatic diaphragm actuator
- electric
- manual
- electrohydraulic

APPLICATIONS

- Petroleum and petrochemical
- Chemical engineering
- Metallurgy
- Power stations
- Air separation equipment
- Liquefied natural gas (LNG)
- Water supply
- Mining
- Textile
- Energy
- Paper

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

- Food
- Steel

MATERIALS

Body **WCB, WCC, LCB, LCC, WC6, WC9, CF8, CF8M, CF3, CF3M**

FEATURES

- Compact structure with S-shaped fluid channels
- Pressure-balancing valve core construction
- High accuracy of flow characteristic curve
- Capable of achieving a larger CV
- Quick-replacement valve internals
- Sealing ring between valve core and valve cage to reduce leakage
- Smaller actuating force capable of controlling high pressure differentials
- Designed on principles of standardisation, universality, modularity, and interchangeability
- Maximum part interchangeability across different valve sizes to reduce operational costs
- Sturdy valve core guide and sleeve to prevent flash evaporation and cavitation (CS702 variant)
- Guide wing on fluid channel to improve smooth flow around sleeve (C702-2 variant)
- Steam heating jacket for crystallisation prevention (CJ702 variant)
- Pilot-type valve core using fluid pressure for rapid valve core movement at low operating force (CT702 variant)

OPTIONS & NOTES

- Material list ends with '...' indicating further material options are available on request.
- Actuator options listed as 'Pneumatic, Electric, Manual, Electrohydraulic, etc...' indicating additional actuator types may be available.