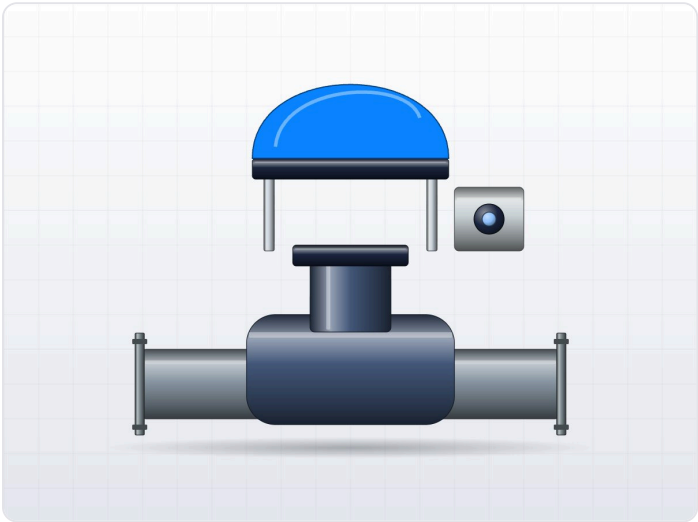


ILLUSTRATIVE DEMONSTRATION DATASHEET — fictional product and data; not for engineering or purchasing use.

CV-700 Globe Control Valve

Model CV-700

Globe control valve with pneumatic diaphragm actuator.



NOMINAL SIZE
DN 25 – DN 200

PRESSURE CLASS
PN 40

TEMPERATURE
-29 to 230 °C

CHARACTERISTIC
Linear / equal %

OVERVIEW

The CV-700 pairs a globe body with a spring-return pneumatic diaphragm actuator and a positioner. Linear and equal-percentage trims shape the relation between stem position and flow.

It regulates flow, pressure and level in process and utility lines.

KEY FEATURES

- Interchangeable trims
- Spring-return pneumatic actuator
- Positioner with 4–20 mA input
- Fail-open or fail-closed action

TECHNICAL SPECIFICATIONS

DIMENSIONS	Nominal size	DN 25 – DN 200
DIMENSIONS	End connections	Flanged, EN 1092-1
RATINGS	Pressure class	PN 40
RATINGS	Temperature	-29 to 230 °C
CONTROL	Actuator	Pneumatic diaphragm, spring return
CONTROL	Positioner input	4 – 20 mA
CONTROL	Supply air	1.4 – 6 bar
CONTROL	Action	Fail-open or fail-closed

MATERIALS OF CONSTRUCTION

BODY	Carbon steel / stainless steel 316
TRIM	Stainless steel, hardened
SEALS	Graphite / PTFE
ACTUATOR	Steel housing, epoxy-coated

STANDARDS AND OPERATING CONDITIONS

Design reference: IEC 60534 sizing approach (illustrative)
Liquids, gases and steam; trim selected by duty.