

CM25

Globe pattern, 3/16" (5mm) bore, 10000 psig - 689 barg hand valve

Century Valve
Instrumentation
Products

Large Bore Severe
Service Isolation Valves

Product Overview

The CM25 (10,000 psig - 689 barg) barstock construction needle valve is designed for multiple applications wherever throttling or bubble-tight shutoff is required. The CM25 is available in a wide variety of inlet & outlet configurations and materials. Specific CM25 models meet the requirements of NACE MR0175-2002. The CM25 is available with Teflon® or Grafoil® packing or an O-ring seal. To simplify installation requirements the CM25 series can be factory configured with various manufacturers tube fittings.

Features:

- Available with either ball or needle stem ends, providing bubble-tight shutoff and ensuring long valve life. The non-rotating ball tip eliminates seat galling.
- All valves are hydrostatically tested to rated pressure prior to factory shipment.

- Full material traceability is standard on each CM25. All valves are shipped standard with full material documentation for wetted components.
- Either the Teflon® or Grafoil® packing is easily adjustable in field.
- All packing is below the threads which ensures the valve's actuation threads are not contaminated by the process. This feature ensures smooth valve operation and long service life.
- All CM25's feature safety back seating ensuring the prevention of both accidental stem blowout and removal under pressure.
- Standard dust covers ensure long service life by preventing the elements (rain, snow, dirt, etc.) access to the bonnet assembly.

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CM25 Ordering Code:

CM25 1 M44T C G SC

Materials:

- 1: SS - 316/316L (meets NACE MR0175-2002)
2: CS/SS - A105 CS Body w/ SS Trim (meets NACE MR0175-2002)
3: CS - A108 CS

(Other construction materials available - consult factory)

Inlet / Outlet Connections:

Standard threaded connections:

M22T: 1/4" MNPT	x 1/4" FNPT	F44T: 1/2" FNPT	x 1/2" FNPT
F22T: 1/4" FNPT	x 1/4" FNPT	M64T: 3/4" MNPT	x 1/2" FNPT
M44T: 1/2" MNPT	x 1/2" FNPT	M66T: 3/4" MNPT	x 3/4" FNPT
		F66T: 3/4" FNPT	x 3/4" FNPT

Optional socketweld or buttweld connections available - consult factory.

Bonnet Assembly:

- A: O-ring, Needle tipped stem end
C: Adjustable packing, Rotating ball tipped stem end
CN: Adjustable packing, Needle tipped stem end
F: Adjustable packing, Rotating ball tipped stem end (required for 1/4" inlets only)
FN: Adjustable packing, Needle tipped stem end (required for 1/4" inlets only)

Packing:

- A: Aflas® O-ring
V: Viton® O-ring
T: Teflon®, Adjustable packing
G: Grafoil®, Adjustable packing

Special Construction Options:

- SC-L: Bonnet lock upgrade (in accordance with ANSI B31.1)
SG: Sour Gas (Valve to meet NACE MR0175-2002)
SC-O: Gaseous Oxygen Cleaned
SC: For other special requirements - consult factory

