CM25D

Globe Pattern 7/16” (11mm) bore, 10000 psig - 689 barg hand valve

Product Overview

The CM25D (10000 psig - 689 barg) barstock construction globe pattern hand valve is ideally suited for severe service, high-temperature applications. The globe pattern construction of this unit ensures reliable bubble-tight shutoff and allows for throttling of the most severe of services. The standard packing for the CM25D is Grafoil® for high-temperature compatibility, however, Teflon® is readily available.

The CM25D is available in a wide variety of inlet & outlet configurations and materials. To simplify installation requirements the CM25D series can be factory configured with a wide variety of various manufacturers tube fittings.

Features:

- Rotating ball stem tip provides reliable bubble-tight shutoff of large (7/16” - 11mm) globe pattern bore.
- Overly large handle ensures ease of operation while actuating valve.
- All valves are hydrostatically tested to rated pressures prior to factory shipment. Full material traceability is standard on each CM25D. All valves are shipped standard with complete 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 process does not contaminate the valve’s actuation threads. This feature ensures smooth valve operation and long service life.
- All CM25D’s feature safety back seating ensuring the prevention of both accidental stem blowout and removal under pressure.
- All CM25D’s in the severe service series feature an upgraded bonnet lock plate to prevent accidental removal of bonnet assembly under pressure.
- Temperatures up to 1200°F with 316SS with 0.04% minimum carbon content.

CM25D Ordering Code: CM25D 1 M88T PID G SC

Materials of Construction:

1: SS - 316/316L (meets NACE MR0175-2002)
3: CS - A108 CS
(Other construction materials available - consult factory)

Inlet / Outlet Connections:

Standard threaded connections:

F44T:	1/2” FNPT	x 1/2” FNPT
F66T:	3/4” FNPT	x 3/4” FNPT
M66T:	3/4” MNPT	x 3/4” FNPT
F88T:	1” FNPT	x 1” FNPT
M88T:	1” MNPT	x 1” MNPT

Standard socketweld connections

FS44S:	1/2” FSW	x 1/2” FSW
MS66S:	3/4” MSW	x 3/4” FSW
MS64S:	3/4” MSW	x 1/2” FSW
FS66S:	1” FSW	x 1” FSW
MS88S:	1” MSW	x 1” FSW

Optional buttweld connections available - consult factory.

Bonnet Assembly:

PID: Adjustable packing, Rotating ball tipped stem end

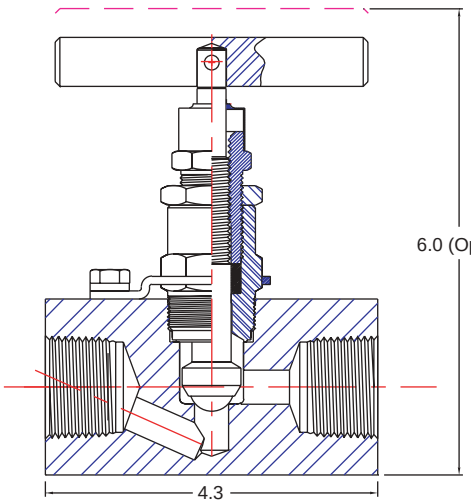
Packing:

T: Teflon®, Adjustable packing
G: Grafoil®, Adjustable packing

Special Options:

SG: Sour Gas (Valve to meet NACE MR0175-2002)
SC-O: Gaseous Oxygen Cleaned
SC: For other special requirements - consult factory
SC-H: 316SS with 0.04% minimum Carbon

Note: All seats on CM25D Series are integral – no nomenclature designation required.



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