

CM1C

Straight-through (roddable), hard or soft seat, 5/8" (16mm) bore, 6000 psig - 414 barg hand valve. Note: 3500 psi - 238 barg max. soft seated models.

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Product Overview

The CM1C (6000 psig - 414 barg) barstock construction valve is a severe service, high-pressure / temperature, straight through (roddable) bi-directional flow unit. The CM1C is also ideally suited for process conditions where potential plugging is a concern. The CM1C features replaceable soft or metal seats, which can be easily removed and replaced, eliminating the need for valve removal should the seat become damaged by process conditions.

The CM1C is available in a wide variety of inlet & outlet configurations and materials. Specific CM1C models meet the requirements of NACE MR0175-2002. The CM1C is available with either Teflon® or Grafoil® packing. To simplify installation requirements the CM1C series can be factory configured with a wide variety of various manufacturers' tube fittings.

Features:

- Needle stem end (plug type) provides bubble-tight shutoff and ensures long valve life. Replaceable / repairable seats ensure long, safe and economical installed valve life.
- Upgraded large handle ensures ease of operation while actuating valve.

- All valves are hydrostatically tested to rated pressure prior to factory shipment. Full material traceability is standard on each CM1C. 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 CM1C's feature safety back seating ensuring the prevention of both accidental stem blowout and removal under pressure.
- All CM1C's in the severe service series feature an upgraded bonnet lock plate with 'P' bonnet assembly to ensure accidental removal under pressure does not occur.
- Standard dust covers ensure long service life by preventing the elements (rain, snow, dirt, etc.) access to the bonnet assembly.

CM1C Ordering Code

CM1C 1 M88T P 1 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
M64T: 3/4" MNPT x 1/2" FNPT
M66T: 3/4" MNPT x 3/4" FNPT
F66T: 3/4" FNPT x 3/4" FNPT
M88T: 1" MNPT x 1" FNPT
F88T: 1" FNPT x 1" FNPT

Standard socket weld connections:

- FS44S: 1/2" FSW x 1/2" FSW
MS64S: 3/4" MSW x 1/2" FSW
MS66S: 3/4" MSW x 3/4" FSW
FS66S: 3/4" FSW x 3/4" FSW
MS88S: 1" MSW x 1" FSW
FS88S: 1" FSW x 1" FSW

Optional butt weld connections available - consult factory.

Bonnet Assembly:

- GN: Adjustable packing, Needle tipped stem end (plug) rotating
P: Adjustable packing, Needle tipped stem end (plug) non-rotating stem

Seat:

- 1: 316SS (Requires 'P' Bonnet option)
15: PEEK
16: Delrin

Packing:

- 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

