

## EMCO Double Shut Off Needle Valves type DSO2002

### Principle

Emco double shut off needle valves type DSO2002 are used at elevated pressures in processes where 2 primary shut-off valves are required in connection with primary elements (orifice plates, venturis etc.)

### Construction

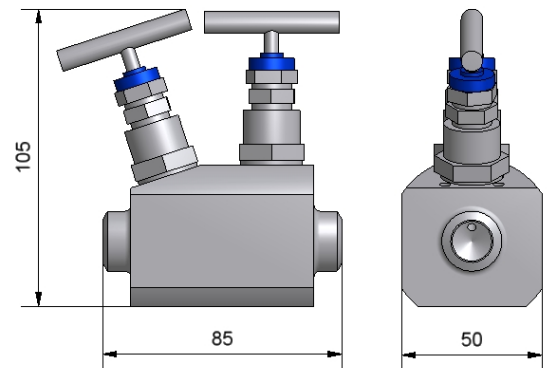
The valve body is machined from bar stock material.  
The valves are supplied with weld ends for butt-welding, socket-welding or threaded connection.  
The stuffing box is external to valve spindle thread.

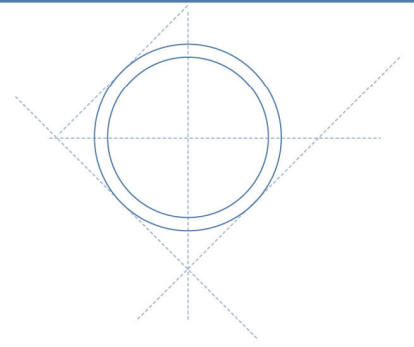


The valves are pressure tested to 375 bar or 630 bar.

### Technical Data

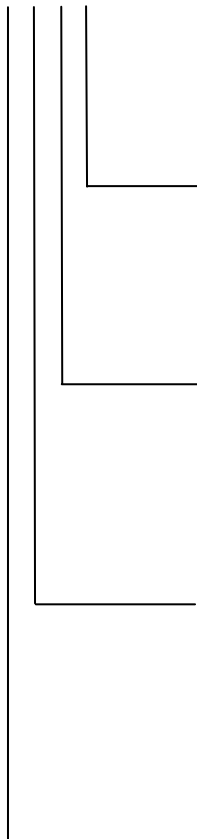
Material, body 316	: Carbon steel A 105, stainless steel AISI  CrMo steel 13CrMo44 (F11), CrMo steel 10CrMo910 (F22) CrNi high temp. Steel F91
Packing	: Graphite (standard), PTFE.
Pressure rating	: PN 250, PN 400, 1500 lbs, 2500 lbs
Temperature	: Temperature range depends on body material, see pressure/temperature graph
Connection	: 1/2" butt weld ends, 1/2" socket weld ends, 1/2" BSP int., 1/2" NPT int. Socket weld end for OD 12 or 14 mm tube





Coding:

DSO2002-0-G-2-1



Connections

- 1 1/2" but weld ends
- 2 1/2" socket weld ends
- 3 1/2" BSP int. thread
- 4 1/2" NPT int. thread
- 5 SW. OD 12 mm
- 6 SW. OD 14 mm

Pressure rating

- 2 PN 250 ( 1500 lbs)
- 4 PN 450 ( 2500 lbs)

Packing

- G Graphite
- P PTFE

Material

- 0 Carbon steel A 105
- 1 Stainless steel AISI 316
- 2 13CrMo44 (F11)
- 3 10CrMo910 (F22)
- 4 F 91