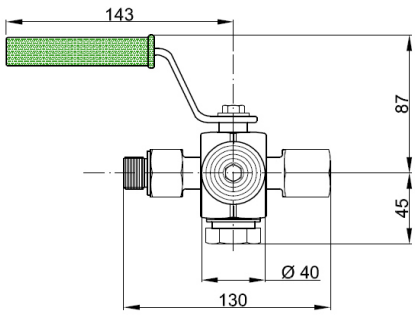
DS DIESSE FLUID CONTROL

CYLINDRICAL PLUG MANOMETER SETTING VALVE PN40

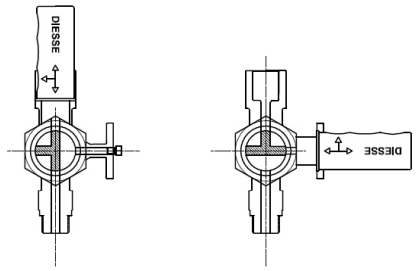
DS PM18

Code: DS PM18 - …/…/…/40 - CS/CS



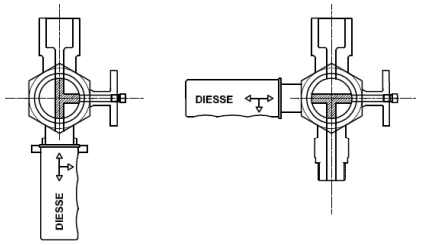
POSIZIONE OPERATIVA
WORKING POSITION

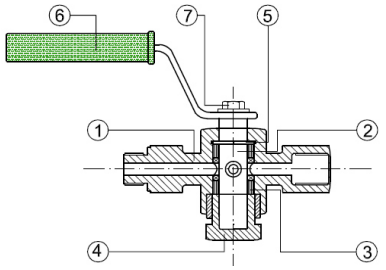
POSIZIONE DI CHIUSURA
SHUT-OFF POSITION



POSIZIONE DI PROVA
TEST POSITION

POSIZIONE DI SFIATO
VENT POSITION





Technical data

Service conditions
Max Pressure: PN40
Max Temperature: 300°C

Description
The DIESSE manometer setting valve DS PM18 is a cylindrical plug cock with control flange.
It is suitable for the manometers installation.
It has a little flange provided with a screw that avoids losses when a control manometer is not connected.
The seal is soft and is achieved by fitting a case between the vessel and the plug cock.

Handling
Quick 90° opening/closing

Materials (Standard)

Execution:	CS/CS
Body:	ASTM A105
Trim:	AISI 303
Stuffing box:	Carbon steel galvanized
Handle:	Carbon steel galvanized
Handle cover:	PP
Bolt and washer:	Carbon steel galvanized

Option: different materials available

Nominal passageway diameter
ND: 8 mm

Nominal passageway diameter for control manometer
ND: 5 mm

Gasket
Standard: graphite case with passageway rings in stainless steel 316
Option: PTFE case with passageway rings in stainless steel 316

Process connections
Type:
M x F - threaded male / female

Threaded connections type (Standard):
BSP (GAS) 3/8" - 1/2"
Options: connections NPT threaded, welding type or flanged type

Weight
Cock DS PM18: Kg. 1,2 approx.

Spare parts
Case with 3 holes: see page 1.72

Operating instructions
When starting the installation or after the case (3) replacement, before opening the cock, wait until the instrument reaches the room temperature.
After the opening, should any leakage occur, softly tighten the stuffing box (4) several times until the leakage stop.

Instructions for the case removal and replacement

Assumptions:
- The replacement of the cock case requires such specific devices and tools that operations by personnel not specifically trained to do so is not advisable
- The cock has been designed so that dismounting is possible solely by means of specific tools in order to avoid the opening of its part by accident

In the case where the customer decides to proceed with his own personnel ant tools for maintenance operations, it is **IMPORTANT**:

- To envision a skill operator with good technical and maintenance knowledge
- To contact the manufacturer for the best way to proceed and the suitable spare parts
- To be sure that operators wear appropriate individual personal protective means, and all necessary precautions are be taken to avoid accidents

Before starting any operation wait until the instrument reach the room temperature.

Before disassembling be sure that the pipe is not under pressure.
1) Screw off the stuffing box (4) and the handle bolt (7)
2) Remove the handle (6)
3) To extract the cylindrical plug (2), by a soft extension (best a wooden one) gently beat on it several times paying attention that it does not fall off.
   Any scrape would compromise the cock sealing.
4) Clean the components with no-abrasive substances

Assembling:
1) Insert the cylindrical plug (2) into the case (3) until it blocks against the split ring (5)
2) Insert the case (3) in the cock body (1) utilising the guide
3) Fix the handle (6) and gently tighten the stuffing box (4)