



**DS** **DIESSE** S.r.l.  
Fluid Control



**CYLINDRICAL PLUG COCKS**

**INSTALLATION & OPERATION MANUAL**

## 1. GENERAL INFORMATION AND INSTRUCTION PURPOSE

These instructions explain how to properly install, dismantle, use and service the CYLINDRICAL PLUG COCKS.

These instructions must be available to the installation, use and maintenance operator.

## 2. PRODUCTS DESCRIPTION

The DIESSE **cylindrical plug cock** is suitable for all kinds of applications in a number of different sectors. The seal is soft and is achieved by fitting a case between the vessel and the plug cock. 6 mm (**type DS D12**) and 8 mm (**type DS D18**) nominal passageway diameters are available.

The DIESSE **manometer setting valve** is a three way cylindrical plug cock with control flange (type DS PM18) is soft sealing and the ideal product for securely fitting a manometer.

The cock has a flanged connection for this purpose, which must be screwed in so that no loss occurs as a result of incorrect operation (when a control manometer is not connected).

## 3. LIMITED RESPONSIBILITY

Manufacturer declines all responsibilities should the equipment be used under the following conditions that are considered as incorrect use.

### 3.1 EQUIPMENT INTENDED USE

Equipment **must** be exclusively used where pressure and temperature are not higher than the max. values stated by the manufacturer (see the product data sheet on our website)

Fluid in the tank or vessel must be compatible with the materials used for the instrument manufacturing. Contact the manufacturer, should you have any doubt or need for more detailed information.

### 3.2 IMPROPER USE

Improper use of the equipment means a use that does not comply with the foreseen one and, in particular, when used under the following conditions:

- Failure to comply with or use for purposes contrary to the safety rules in force
- Failure to comply with the manufacturer instructions and in particular the max. permissible temperature and pressure values
- Instrument wrong mounting and installation
- Wrong installation after a maintenance operation
- Severe failures to the foreseen maintenance operations
- Changes or services to the instrument non previously discussed and authorized by the manufacturer
- Use of non-original spare parts or of spare parts different from those stated by the manufacturer
- Use of the equipment by non-trained people
- Unusual events like as earthquakes, floods, voluntary or accidental impacts and similar, that might have implied damages to the equipment, even if not immediately noticeable
- Maintenance operations carried out with components under pressure and/or temperature

## START UP – MAINTENANCE ISTRUCTIONS

For the assembly and disassembly of the equipment, one operator with good technical knowledge of maintenance is envisioned.

During the activities, operators must wear appropriate individual personal protective means, and all necessary precautions must be taken to avoid accidents.

To proceed in the best way and for any spare parts request, please contact the manufacturer.

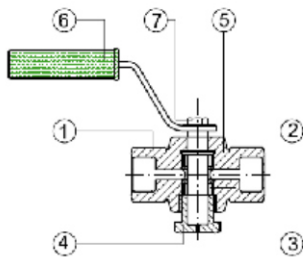
Before carrying out the operation, wait for the equipment to reach the room temperature

### PRELIMINARY WARNINGS:

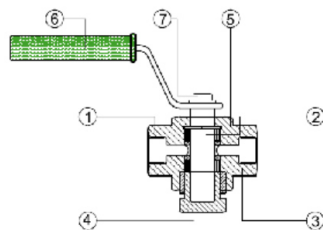
**When receiving the material, before and during the installation, it is required to carefully verify:**

1. The equipment was not damaged during transport;
2. The model and temperature and pressure rating are compliant to the requirements;
3. The material is compatible with the process fluid and the environment atmosphere where it has to be installed

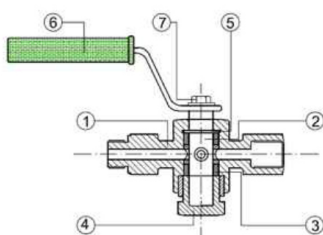
### TIPO DS D12



### TIPO DS D18



### TIPO DS PM18



### 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:

- o 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
- o The cock has been designed so that dismantling 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 and tools for maintenance operations, it is **IMPORTANT**:

- o To envision a skill operator with good technical and maintenance knowledge
- o To contact the manufacturer for the best way to proceed and the suitable spare parts
- o 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)

	Manuale di installazione, uso e manutenzione <b>CYLINDRICAL PLUG COCKS</b> DS D12 - DS D18 - DS PM18	<b>4/6</b> rev 01 July 2016
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## DECLARATION OF CONFORMITY TO EEC DIRECTIVE 2014/68/EU

We declare that the manufacturing and operating characteristics of the DIESSE cylindrical plug cocks come under article 4 par. 3 of Directive 2014/68/EU (internal volume V <1 liter and small nominal size DN) and as a consequence, cannot be given the CE mark. We also declare that the products are manufactured according to the state of art and have been tested in compliance with the Company Quality Control procedures.

Should you have any question, please contact:

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E-mail: [info@diessefluidcontrol.com](mailto:info@diessefluidcontrol.com)  
[www.diessefluidcontrol.com](http://www.diessefluidcontrol.com)

**TECHNICAL SERVICE:**

Our technical service is available to answer all your requests at the following addresses. For a better service, it is recommended to inform it about:

- equipment purchase / installation date
- operating data (fluid, working pressure and temperature)

Our technical service will assess the problem extent and will try to solve it as much as possible. Should a repair be required, the manufacturer will agree the service modes and times. Shipping costs from customer to manufacturer are at customer's charge.

Under guarantee products

Technical service will provide for the inspections and the operations required. Should the manufacturer be responsible for the problem, he will repair/replace the fault parts at no charges to the customer.

If, after analysing the product, it is confirmed that there are no manufacturing defects and the faults is due to the customer because of improper use, the manufacturer will charge the customer with the relevant costs.

Out of guarantee products: The service cost will be charged, upon customer's agreement. (added by the cost of any replaced component).

**Manufacturer:**

**DIESSE S.r.l. Fluid Control**  
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## GUARANTEE

The guarantee is for 12 months from the date of purchase and can be extended by the manufacturer on the basis of type and characteristics of the product purchased.

It covers eventual manufacturing defects or materials, excluding the parts subject to normal usage such as the gaskets and glasses.

The responsibility of the manufacturer is limited to the reparation or substitution of the product.

The manufacturer is therefore not responsible for eventual damage to other products, structures, personnel directly or indirectly connected to the improper use/installation of the product.

The guarantee is not applicable to disassembled products, repaired or mishandled without the authorisation on behalf of the manufacturer. For any problem, therefore, contact the manufacturer directly in order to evaluate and determine any eventual manufacturing defects.

In particular, the guarantee is not valid in the following cases:

- The user omitted controls prior to installation, in detail:
  - a) verification that the data shown on the product label correspond to the requisite product*
  - b) verification that the material is both compatible with the fluid of the process and with the ambient/atmosphere in which it is installed*
  - c) careful verification that during transport the product has not been damaged*
- Repairs by personnel not authorised by the manufacturer
- Damages caused by fire, short circuits and natural disasters
- Inappropriate handling/installation executed differently from those indicated in the manual furnished with the product of installation-use and maintenance
- Fluid non-compatible with the materials used in the construction of the product
- Temperature and pressure during use different from that indicated on the offer /order
- Use of non-original spare parts
- Accidental shocks
- Cleaning of the installation either not effected or not effected correctly (presence of foreign bodies/scales on the installation)