

Mounting instructions

Pressure reducers

This installation instruction is available in the official languages of the EC on our web site or by requesting our sales department

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Este Manual de Instrucciones está disponible en los idiomas oficiales de la Comunidad Europea en nuestra página web o simplemente contactando con nuestro departamento de ventas.

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Οι παρούσες οδηγίες εγκατάστασης διατίθενται στις επίσημες γλώσσες της Ευρωπαϊκής Κοινότητας στον ιστότοπό μας η μέσω απλής αίτησης από το τμήμα πωλήσεων μας.

http://www.socla.com

Instruction Notice

Pressure reducers

Introduction

Before fitting the valve to the installation, make sure that the operating conditions are compatible with the details given on the instruction notice the manufacturer's details (price list, data sheets, recommended uses, advisory service).

Socla cannot be held responsible for the malfunctioning of the valve nor for damage or injury resulting from failure to respect these details.

European Directives

Directive 97/23/CE (Equipment under Pressure)

In given fluid and pressure conditions (see technical data sheets), the pressure reducers have no CE marking. (Art.3, point 3 of the Directive).

Valve components

The valve components are listed on technical data sheets available on our web site http://www.socla.com or by simple request from our sales department

Transport and storage

Before installation

The pressure reducer must not be removed from its original packaging.

The pressure reducer must be stored inside premises which are clean, dry and free from UV light.

On site, the pressure reducer must not be removed from its original packaging and must be protected from the surrounding elements (dust, sand, rain,….)

▪During handling and installation

Pressure reducers in large sizes without lifting rings must be manipulated using adequate straps.These must not be likely to damage the casing coating.

Any item having suffered a large impact must be returned to Socla for checking. A crack which is invisible to the naked eye may in time lead to a leak into the atmosphere.

Chocks against the coated parts must be avoided, especially the flange surface.

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Pressure reducers

Installation

• General remarks

For safety reasons, the installation must take place under the supervision of authorised people taking account of local safety instructions and advice.

The handling of pressure reducers must be done by staff trained in all technical aspects of their operation.

Before installation the pipes must be depressurised and purged (empty of its fluid) in order to avoid any danger to the operator.

The pipe work must be correctly aligned so that no extra stress is exerted on the pressure reducer casing.

The pressure reducer is a machined piece of equipment and must not be used to prise apart the flanges.

For pressure reducers with flanges, check the compatibility of the connection flanges against the operating pressure: the PN number of the flanges must be greater or equal to the operating pressure.

• Mounting position

An arrow on the valve casing indicates the direction of the flow.

The installation positions (horizontal, vertical) of the valve are given on our technical datasheets. We recommend to install the pressure reducers in cast iron or ductile iron horizontally, cap in vertical position upwards.

• Fitting to the pipe work

Make sure that

- the surfaces of the flanges or other threaded or welded connections are clean and undamaged.
- the valve can be easily fitted between the flanges without damaging the surface of the flanges or joint.

Prise apart the flanges with a suitable tool (without damaging the flanges) if the fit is too tight.

The flange bolts must be tightened in accordance with current regulations.

▪ Installation conditions

Check that the pressure reducer is protected against abnormal increase of downstream pressure (back pressure).

The risk exists on a network using hot water . A safety valve or expansion tank is suitable to absorb and limit the increase of pressure. A booster unit with a sudden start close to the pressure reducer requires the safety of an absorption tank. In case of the risk of freezing, the pressure reducer must be protected.

Commissioning

Before putting valve into operation, check that :

- The working conditions are compatible with the details given on the identification plate, this instruction notice and the manufacturer's details (technical datasheet, price list catalogue, advisory service).
- The valve works effectively when tried (check several times).

On a new installation or after maintenance, the circuit must be rinsed with the valve completely open in order to remove solid matter which may damage the internal parts of the valve.

The installation should be put under pressure progressively to avoid damage which might occur to internal components.

Make sure that when flow stops the valve maintains outlet pressure well.

During a prolonged stoppage, a change in the state of the fluid may result in damage when the installation is brought back into service (solidification….). Establish an adequate procedure programme for cleaning the system.

Maintenance

Maintenance and repair work must be carried out by qualified personnel..

• Removing the valve from the installation

The pipe must be depressurised and purged (emptied of its fluid) in order to avoid any danger to the operator. If the installation has carried fluids which are dangerous in themselves if in contact with the outside atmosphere (inflammable, corrosive, toxic, explosive..) it must be thoroughly cleaned to eliminate all risks.

All fluid remaining in the valve must be removed.

The temperature of the valve must be lower than 35°C to avoid all risk of burning.

If necessary, perform the operation using suitable protection (clothing, gloves, mask…).

• Maintenance of the valve

All spare parts must be genuine Socla

The list of spare parts are given in the technical datasheets.

The reference number of the valve and the manufacture serial number indicated on the valve must be quoted in any request for spare parts and during any claim or return of parts.

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Safety

As well as the indications given in the preceding paragraphs of this notice, it is imperative that the following instructions be followed :

- Personnel carrying out any intervention (installation, regulation, repairs, maintenance) on the valve must be qualified for the task.
- Internal rules and legislation current in the country concerned with respect to health and safety at work must be applied and respected.
- The valve must not undergo any modification without prior approval from our advisory service. Socla is not responsible for any damage which may be caused by the use of parts, accessories or controls which are not genuine Socla.
- Hot or cold parts of the valve which present a danger to the operator must be protected.
- Working on removable parts or on pressure gauges while the valve is functioning is forbidden.

To carry out this type of intervention follow the paragraph "Removing the valve from the installation."

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