

Instruction Notice

Control valves

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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Cette Notice d' Instruction est disponible dans les langues officielles de la Communauté Européenne sous notre site internet ou sur simple demande auprès de notre service commercial.

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.

Este Manual de Instruções está disponível nos idiomas oficiais da Comunidade Europeia no nosso site Internet ou simplesmente contactando o nosso departamento de vendas

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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.

Introduction

Before fitting the valve to the installation, make sure that the operating conditions are compatible with the details given on the identification plate, this instruction notice, the manufacturer's details (tariff, recommended uses, advisory service) and the fluid being carried (nature of the fluid, temperature range, etc).

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

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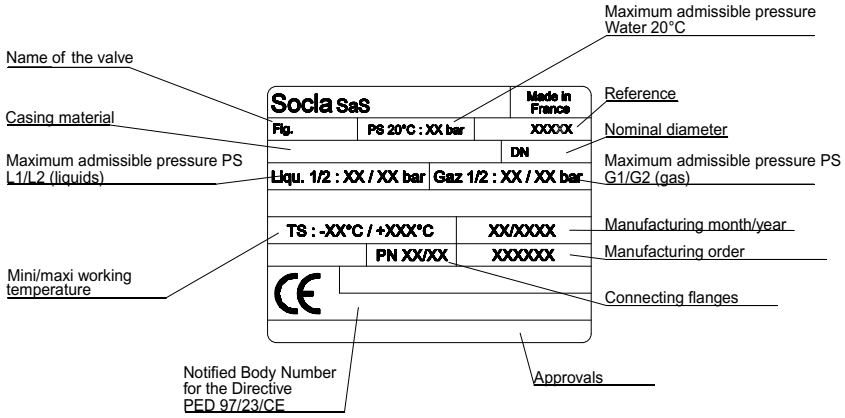
European Directive

- **Directive 97/23/CE (Equipment under Pressure)**

Our control valves subject to directives are the object of statements of conformity available from our sales department.
Category 1 control valves can be identified by an identification plate giving the required information.

Identification Plate

This plate must not be removed from the valve and must be kept legible by the user.



Fluids Group 1: dangerous fluids (directive 67/548/CEE) /explosive / extremely inflammable /easily inflammable /inflammable / very toxic / toxic / combustive.
Fluids Group 2: all other fluids (except for water supply, distribution and evacuation networks).

Pressure test : 1,5 x PMA

Nomenclature

The components of the valves are indicated on the technical datasheets. The technical datasheets are available on our internet site http://www.socla.com or from our sales staff.

Transport and storage

- **Before installation**

The valve must not be removed from its original packaging
The valve must be stored inside premises which are clean, dry and free from UV light.
On site, the valve must not be removed from its original packaging and must be protected from the surrounding elements (dust, sand, rain,….)

- **During handling and installation**

Valves which do not have lifting rings must be handled using adequate straps. These should not be liable to damage coatings on the valve casing. Any valve which has undergone a considerable 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.
Avoid bumping coated parts especially around the surfaces of the flange.

Modifications, errors and printing mistakes cannot be held responsible for damages incurred.
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Installation

• General remarks

The installation must take place under the supervision of an authorised person taking account of local safety instructions and advice.

The handling of valves and their controls must be done by staff trained in all technical aspects of their operation.

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

The pipework must be correctly aligned so that no extra stress is exerted on the valve casing.

The valve is a fragile piece of equipment and must not be used to align the flanges of pipework.

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.

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

• Installation position

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

The valve's drain plug must be positioned in the lower part of the valve.

The inspection plate and the control circuit must be easily accessible.

• Fitting to the pipework

Make sure that the flange surfaces are clean and undamaged.

Make sure that 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 necessary.

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

• Installation conditions

It is recommended that the valve be positioned some distance from any change of direction in the pipework or from other apparatus in order not to place it in a turbulent zone which would increase its wear.

At the lifting of a rotodynamic pump, it is recommended that a valve which conforms to the standard NF CR 13932 is installed.

The use of a filter upstream and an air-valve downstream is recommended.

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 data sheet, 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.

When the installation is to be filled, it is necessary to purge the valve control chamber using the visual position indicator.

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 pressure well and that there is no water-hammer which might damage the valve or installation. If there is water-hammer, an anti-water hammer system must be added to the installation.

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.

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Maintenance

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

•Removing the valve from the installation

The pipe must be depressurized 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.

A periodic check is necessary every 6 to 12 months.

A complete service should be done every 5 years.

After maintenance, it is recommended that the valve be re-tested by a trial under pressure at 1.5 X PMA (test P11 according to the standard EN12266-1).

Spare parts are listed by name in the specific technical datasheets.

The reference of the valve and the manufacturer's order number given on the identification plate must be quoted in any request for spare parts or if parts are returned or queried.

Safety

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

- This notice must be available on site where Control valves are installed.
- Personnel carrying out any intervention 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 and its control 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.
- Do not insert fingers close to parts which are moving or between the lever and the handle during its operation.

Intervening at inspection plates or purging systems 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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