8) VALVE AUTOMATION

- operate SV2 (closing of the leak indicator)
- tempo of 2 seconds
- operate SV1 (opening of the valve)

Closing
- unoperate SV1 (fermeture vanne)
- tempo of 5 seconds
- unoperate SV 2 (opening of leak indicator)

Cleaning of the leakage chamber (OPTION)
- operate SV3 (opening of cleaning indicator)
- cleaning phase
- unoperate SV3 (closing of cleaning indicator)

9) STORAGE

We recommend that our valves are stored away from site pollution (abrasive dust, shocks, acid or chlorinated products, U.V., etc.) for as long as possible and are mounted to prevent mixtures of components.

10) SPARE PARTS AND ACTUATOR DISASSEMBLY

We can provide you with the component references for your valve on request. You can also make a note of the valve identification number.

Actuator disassembly is a simple but delicate operation requiring the use of the appropriate tools and reference to the valve disassembly instructions.

Please contact us for these instructions or to request maintenance operations at our premises or on site.

N.B.: The valve must be out of service prior to any intervention and disassembly of the components with the pretensioned spring must be performed in accordance with the instructions on the maintenance information sheet.

All users of DEFINOX valves must periodically check the condition of the installed equipment, in particular of parts playing a "safety" role (checking interval to be set according to the use and the cleaning applied)

11) EEC CONFORMITY

A - Our valves comply with European regulations (EEC) within the limits of use described in paragraph B.

The CE mark on the valve indicates conformity to the following regulations:

- 2014/30/EU "Electromagnetic compatibility"
- 2014/68/EU "Pressurized equipment"
- 2014/35/EU "Low pressure"
- 2006/42/EC "Machines"

B - Use limits:

Usage pressure must be lower than 10 bar for all products.

In case of dangerous gas¹ valve diameter (line) must be below 100 mm.

For use outside these limits, please contact our technical service

¹Hazardous gas: group 1 gas, identified by a letter on the label and on the security card of the product:

E (for detonating gas), O (for fuel), F+, F and R10 (inflammable), T+ and T (toxic).

For additional information, please see regulation 1272/2008 "Labelling of dangerous products".

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E-mail: info@definox.com

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For trouble-free installation of your DEFINOX NEOS DCX3 valve, we recommend that you read these instructions which describe the main steps required to put your valve into service and include a number of handy tips:

1) VALVE IDENTIFICATION
DEFINOX changeover valves have an identification number. You will need this number in order to identify the spare parts you may request.

2) WORKING CONDITIONS
The working conditions of this valve (pressure, temperature, fluid transported, etc.) must comply with the general technical specifications described in the DEFINOX catalogue available on request.

3) AIR SUPPLY CONDITIONS
The actuator is supplied with filtered dry air. The operator air couplings are designed for a 4/6 diameter hose fitting.

4) SEALS
Unless otherwise specified in the order, NEOS DCX3 valves are equipped with the following seals:
- PFA for plug seals
- PFA for the diaphragm

5) N.C.-N.O.-AND D.A. CONFIGURATION
DCX3/4 valves are supplied as standard in a N.C. configuration and require an air supply to remove the plug. The valves can be supplied in a N.O. or D.A. configuration on request.

Important: Before changing the configuration, consult the maintenance instructions.

6) PRECAUTIONS TO BE TAKEN WHEN WELDING THE BODIES
Adjust the pipes: check the perpendicularity, out-of-roundness and offset (play<0.5 mm to limit stresses due to welding. Any modifications to the valve body for welding must be made in agreement with Definox.

Support the pipework within 10D of the valve (Nominal valve diameter)

7) INSTALLING THE VALVE ON THE PROCESS LINE
To install the valve on the process line, the weld-on body must be separated from the rest of the valve to prevent seal damage.

To carry out this simple operation, proceed as follows while referring to the diagrams:

A- Disassembling NEOS DCX3 valves.
Put the valve in the “open” position. With an N.C. configuration, the shut-off sub-assembly operator (6) must be supplied with air. Remove the clamp (9). Shut off the air and separate the body (1) from the rest of the valve. Weld the body to the pipes.

B- Reassembling NEOS DCX3 valves.
Check that the seal-bearing surface inside the body (1) is clean. Put the valve in the “open” position. With an N.C. configuration, supply the operator sub-assembly (6) with air and insert in the body, making sure the plug seal is not damaged around the part edges. Refit the clamp (9). When using for the first time, check the lower connection and top connection(s) for leaks.

NOTE:
- We recommend using a medium threadlock compound to lock the plug during reassembly on the operator and retightening the plug of diaphragm valves after first use at temperature.
- During sawing operations, prevent chips or filings from entering the pipes and rinse the pipes thoroughly with the valve open to avoid damaging the seals when the valve is put into service.
- IMPORTANT: Please reconnect the leak collector end fitting of the lantern to channel any spillage of product in the event of diaphragm failure.

<table>
<thead>
<tr>
<th>DN</th>
<th>Plug tightening torque</th>
<th>Clamp collar tightening torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>DN 25/28</td>
<td>20 Nm</td>
<td>5 Nm</td>
</tr>
<tr>
<td>DN 51</td>
<td>25 Nm</td>
<td>6 Nm</td>
</tr>
<tr>
<td>DN 63/30</td>
<td>25 Nm</td>
<td>10 Nm</td>
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<tr>
<td>DN 100</td>
<td>27 Nm</td>
<td>12 Nm</td>
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