

OPERATING AND MAINTENANCE INSTRUCTIONS - BACK PRESSURE VALVES

It is the responsibility and duty of all personnel involved in the installation, operation and maintenance of the system on which this device will be installed to fully understand the procedures so as to avoid possible hazards.

With reference to the installation and maintenance instructions, the marking on the device and the technical specification, verify that the product is suitable for the intended application.

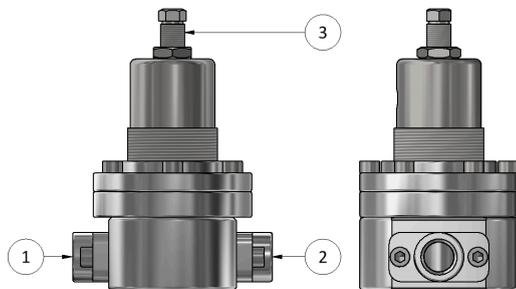
Safe operation of this product can only be guaranteed if it is properly installed, commissioned, used and maintained by qualified personnel in accordance with the operating instructions.

Do not operate the system, remove the device or service it until all safety precautions are complied with.

Take into consideration explosion hazard areas, temperature limits, hazardous and/or asphyxiating gases in areas with poor ventilation, high temperature surfaces and fire hazards.

Smoking and open flames are forbidden near the device.

Equip the product with suitable protection means and earthing against stray currents and electrostatic potential differentials.



INSTALLATION

- Manifolds are designed to connect one or more compressed gas cylinders to decompression devices located in the distribution plants in order to increase the supply autonomy of the plants.
- Take into consideration the contents of the pipeline or fluids that have been previously used. Pay particular attention to flammable materials and substances hazardous to health.
- Check that the type of gas, operating pressures and temperatures of the application are in accordance with what is stated on the equipment marking.

- Ensure that the upstream and downstream valves installed on the line are closed.
- Check that the connections (1 and 2) of the back pressure valve are clean and undamaged; the upstream line must be free of impurities that could be carried into the back pressure valve.
- The operator should make sure, before installation, that the adjusting screw (3) of the back pressure valve is completely loose (valve normally open).
- Connect the back pressure valve to the system via the inlet and outlet connections (1 and 2), following the flow direction indication on the device.
- Supply power to the back pressure valve and turn the adjusting screw (3) on the device clockwise until the flow is closed (valve normally closed).
- The back pressure valve only allows gas to pass when the previously set pressure is exceeded. If the force resulting from the inlet fluid pressure exceeds that of the adjusting spring, the plug moves towards the open position. On the contrary, if the inlet pressure drops below the set pressure, the valve closes again.
- In the case of indoor installation, all holes must be connected and convey outwards.

MAINTENANCE AND REPAIR

- Back pressure valves should be periodically inspected, checking the integrity of the unit and its parts.
- To avoid dangerous situations for the operator or damage to the product, do not carry out maintenance or disassembly operations without first discharge pressure from the line both upstream and downstream.
- Equipment should only be repaired by experienced personnel or, alternatively, by Be Fluidica.
- Use only original spare parts.

WARRANTY

- Be Fluidica guarantees its products for the duration of one year.
- The warranty is void whenever the equipment is assembled, operated or used incorrectly or not in accordance with these instructions, whenever it has received insufficient maintenance or has not been stored diligently or has been modified by the user.

WARNINGS

- **WARNING!** In case of malfunction, immediately cut off the flow to the back pressure valve by closing the upstream shutoff valve or cutting off the power supply to the back pressure valve. Then relieve the pressure from the line.
- It is recommended that Be Fluidica products be used only for the purposes indicated.
- These instructions apply to all back pressure valves. Therefore, pictures may differ from the contents of the box.