EXCESS FLOW VALVES TYPE 402A & 402R COMPLIANT WITH STANDARD DIN30693

For every type of liquefied petroleum gas: Propane, Butane and LPG

cavagna group
Advanced solutions for gas control

34-1-110-1635 rev.1

This product is covered by the manufacturer's general warranty conditions, available in the General Warranty Conditions section of the www.cavagnagroup.com website.

DANGER

- Gas leaks may cause fatal fires or explosions
- Only skilled persons must work on gas circuits
- Inspect the gas circuit regularly
- Replace adapters, valves and regulators as recommended by the relevant technical regulations
- Failure to follow these instructions with care could lead to serious health risks

The manufacturer reserves the right to modify this instruction sheet without notice.

THE MANUFACTURER GUARANTEES THAT THIS SAFETY DEVICE COMPLIES WITH THE STANDARDS REFERRED TO ABOVE. IT IS THEREFORE THE INSTALLER'S RESPONSIBILITY TO COMPLY WITH THE INSTALLATIONS IN FORCE IN THE COUNTRY OF USE AND CHECK ANY SPECIFIC DIRECTIVES COVERING ITS APPLICATION.
FAILURE TO COMPLY WITH THE INSTRUCTIONS PROVIDED HERE LEADS TO AUTOMATIC FORFEITURE OF THE MANUFACTURER'S WARRANTY ON THE PRODUCT, AND THE MANUFACTURER SHALL NOT BE HELD RESPONSIBLE FOR ANY CONSEQUENT DAMAGE.

Operating instructions to be kept by the user
Read carefully before using

Type 402A is an excess flow valve with automatic reset (Fig.1):
- Pressure: 50 mbar
- Guaranted flow : 1,5 Kg/h
- Inlet connection: G1/4 L.H. female
- Outlet connection: G1/4 L.H. male
- Type of gas: Propane, Butane and LPG

Type 402R is an excess flow valve with manual reset (Fig.2):
- Pressure: 0,5-4 bar
- Guaranted flow : 5-14 Kg/h
- Inlet connection: G3/8 L.H. female
- Outlet connection: G3/8 L.H. male
- Type of gas: Propane, Butane and LPG

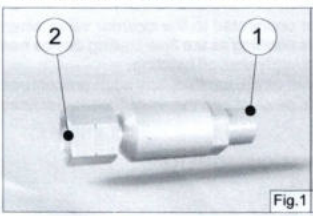


Fig.1

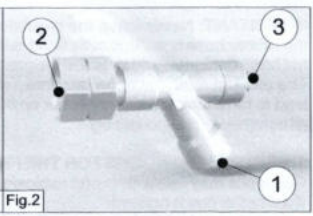


Fig.2

1 INSTALLATION AND OPERATING INSTRUCTIONS
- Make sure the safety device inlet (2) and outlet (1) are compatible with the appliance being used.
- The gas cylinder must always be kept in vertical position. Do not move the cylinder during the operation. When the device is used outdoors, it shall be positioned or protected against direct penetration by any tracking water.
- TYPE 402A and 402R operating temperature range is 0/+50°C for Butane and 20/+50°C for Propane and LPG.
- Never look for gas leaks with a live flame. Use instead a solution of water and soap.
- In the event of any faults being found, close the gas supply and immediately contact your gas supplier.
- When the excess flow valve is triggered, to reset, you must press the button (3).

Until the time of installation, the product must be stored in a clean, dry location protected from weather, atmospheric agents and direct sunlight. It must not be knocked or dented in any way.
Before installation, inspect the product for damage and dirt. Damaged products must not be installed.

TYPE 402A and 402R are excess flow valves designed to stop gas escaping in case of accidental detachment or breakage of the rubber hose used to supply gas to the user appliance.
Resetting of excess flow valve type 402A is automatic
Resetting of excess flow valve type 402R is only manually

2 FITTING THE RUBBER HOSE
- Connect the end of the hose to the safety outlet (1).

3 FITTING THE SAFETY DEVICE TO THE APPLICATION
- Ensure cylinder valve is closed
- Connect the inlet of the safety device (2) to the application
- Check all connections and ensure that they are free from dirt and undamaged.
- The safety device should be supported and the connection fitted to the application outlet and tightened with a spanner.

4 GAS LEAKS
All gas leaks, however small, are dangerous and must be eliminated. Escaping gas can normally be traced by smell or sound but liquid detergent should be brushed over the area to confirm the location of the leak. NEVER look for a leak with a naked flame.
On cylinders, if a leak is suspected, turn off gas supply immediately, and estinguish any standing pilot lights or naked flames. Ventilate the room if possible. If the cylinder is indoors, move the cylinder outdoors to a safe place, and call your dealer for advice.

The excess flow valve should operate as follows:
1. In the event of the hose moving from its correct position:
- Close the cylinder valve,
- Fit the hose correctly back on the regulator hose connection.
- Open the cylinder valve
- Wait at least 20 seconds before opening the application again.

2. In case of the flow of gas being higher than the capacity of the application, contact your gas supplier.

To ensure correct operation of the flow limiting device during gas supply, the appliances hose length should be 1.5m at maximum.

In normal conditions of use, in order to ensure the correct operation of the of the installation, it is recommended that this safety device is changed within 10 years of the date of manufacture. 10 years is a recommendation which may be replaced by national rules or code of practice.

IMPORTANT: Never leave the regulator connected to the cylinder valve when the rubber hose is not correctly fitted in its housing as the flow limiting device has not been designed to guarantee the gas supply shut off function.
The product must never be tampered with or dismantled; any such procedures lead to forfeiture of warranty cover on the product and the manufacture declines all consequent responsibility.

5 RECOMMENDATIONS FOR THE FINAL CUSTOMER
Gas leaks may cause fires and explosions.
If a smell of gas is noticed:
- Do not use electrical devices or the telephone
- Do not switch on household appliances
- Call your supplier from a neighbour's telephone at once
- If you are unable to contact your supplier, call the fire service.

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