

# Installation & Commissioning Instructions

Product: RELIEF VALVES  
(independent)

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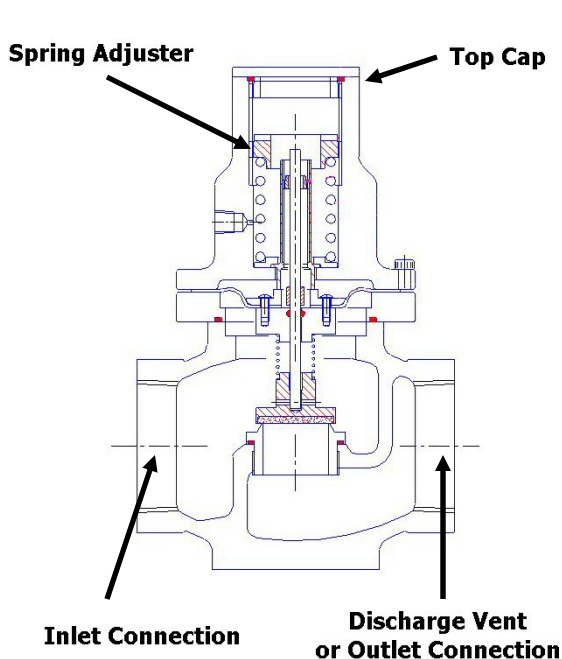


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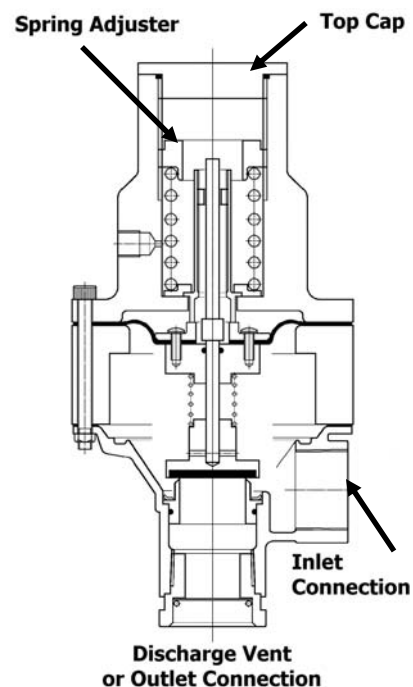
## GENERAL INFORMATION

### EQUIPMENT DIAGRAM AND LABELLING

#### Relief Valve with Inline Body



#### Relief Valve with Angle Body



- This valve is designed to relieve exceed gas pressure downstream of the pressure regulating valve. The relieved or discharged gas should be vented to atmosphere or a safe area.
- Technical information will be found on the adhesive label or metal badge on the main spring housing of the diaphragm casing
- Information – model number, factory cut-off pressure setting, factory relief valve setting, orifice diameter, maximum recommended inlet pressure, serial number, etc.

## INSTALLATION

1. Clean the inlet pipe-work to remove any moisture, dirt or debris that could damage the equipment or impair its operation; if possible, it is recommended that a filter be installed upstream of the equipment.
2. Check that the inlet pressure is not beyond the recommended maximum inlet pressure range of the safety device. This information is stated on the regulator or on the safety device adhesive label or found in the technical brochure published by the manufacturer.
3. Check the safety device for any damage and clean out the body, if necessary.
4. Install the equipment within the pipe-work, using approved pipe sealant on the male pipe threads of the adjoining pipe only. The safety valve can be fitted in any position or at any angle but the direction of the main spring will have a small effect on factory setting. In particular, pay specific attention to the following:

- It is recommended that the relief valve be installed between 5-8 times the diameters of the pipework away from the pressure regulating valve. Installation is generally downstream of any sensing points or control line connections.
- The outlet connection or discharge vent should be terminated in outside atmosphere or in a safe environment away from window, doors, intakes or sources of ignition. Refer to local codes or safety regulations for these devices.
- The outlet connection or discharge vent should always terminate facing the ground or pointing downwards to prevent debris, rain or other foreign particles from entering the valve
- Ensure the "flow directional arrow" marked on the body is in the correct direction or the outlet side will become over-pressurized and damaged.
- Ensure there is sufficient distance to access the relief valve spring adjuster.
- There is adequate protection against physical damage while in operation.
- If the equipment is installed indoors, ensure the vent is piped away to atmosphere or a safe location with piping that has a diameter equal or larger than the vent.
- The vent should be inspected periodically to ensure it is not blocked.

**NORMALLY THE RELIEF VALVE WILL BE SUPPLIED PRE-SET BY THE FACTORY**

**START-UP PROCEDURE**

5. Ensure both inlet and outlet isolation valves are closed.
6. Open the downstream isolation valve slowly. Gradually open inlet isolation valve or introduce inlet pressure. The outlet pressure gauge should read the desired pressure.
7. Adjust the regulator outlet pressure to the level that the relief valve should begin or required to open.
8. Remove the relief valve top cap. Gradually, adjust the relief valve spring adjuster to set the relief valve to the desired relief pressure set point. Turning the spring adjuster clockwise increases the relief set point and counterclockwise decreases the relief set point. The setting of the relief valve should be the current setting of the regulator. This will be observed by the relief valve beginning to open and the noise/smell of venting gas. Record this setting from the gauge.
9. Return the regulator outlet pressure set point to the original setting.
10. Note, the relief valve set point should be at least 15% more than the regulator original outlet pressure set point.
11. Once the regulator is returned to the original outlet pressure set point, there should be no gas being vented through the relief valve.
12. Replace the relief valve top cap.
13. Soap test the safety device and associated piping joints to ensure there is no gas leakages.

**REMARKS**

**\*\*THIS VALVE SHOULD ONLY BE INSTALLED, COMMISSIONED AND ADJUSTED BY A LICENSED GAS FITTER. INSTALLATION MUST MEET ALL LOCAL REQUIREMENTS, CODES AND REGULATIONS.**