

Dual Stage Regulators

PRODUCT DESCRIPTION

The DSS7 series regulators are direct action, dual second stage pressure regulators, normally used for domestic or small commercial applications. Installations can be individual or in gas grids (ie LPG Community Systems) and can be directly assembled to a meter configuration, for LP-gas, or other non-corrosive preliminarily treated stable gas.

KEY FEATURES

This device will shut-off the gas supply when the pressure falls below (UPSO) or above (OPSO) the set point (shown in Safety Device section).

This safety is activated when the outlet pressure decreases / increases due to:

- Lack of inlet pressure from container (out of gas situations)
- Diaphragm rupture or valve seat failure (overpressure)

The device will shut down not allowing gas to flow either downstream or through the vent when activated. It can only be manually reset by a qualified technician after the condition causing the device to activate is resolved.

It will not allow large volumes of gas to be released as traditional relief valves do primarily avoiding a release until the source container can be shut off.

SAFETY DEVICES

OVERPRESSURE SHUT-OFF (OPSO)

When the outlet pressure exceeds the set point (1.5 PSI or 4.5 PSI), the downstream flow of gas is shut off.

The regulator can only be reset manually.

UNDERPRESSURE SHUT-OFF (UPSO)

When the outlet pressure decreases below the set point (3-4" w.c. or 10" w.c.) the downstream flow of gas is shut off. The regulator can only be reset manually.

RELIEF VALVE

The relief valve will release a calibrated amount of gas through the vent into the air, when the pressure exceeds the set point (1 PSI for 11" version and 3.5 PSI for 2 PSI version). When the pressure decreases the valve resets protecting the regulator from brief pressure changes.

THE REGULATORS SHUT-OFF DEVICE CAN ONLY BE RESET MANUALLY.



11" W.C. VERSION



2 PSI VERSION