

## TECHNICAL CHARACTERISTICS

- Gas Type	LPG
- Outlet Pressure	11" WC (28 mbar)
- Inlet Pressure (Max.)	250 PSI (17,50 bar)
- Operating Temperature	-20°C to 50 °C
- Body	Die cast Zinc alloy /painted
- Diaphragm	Approved NBR(fabric reinforced)

## READ THESE INSTRUCTIONS THOROUGHLY BEFORE BEGINNING

### WARNING

- Leaking gas can cause fires or explosions.
- Only trained personnel should work on gas systems.
- Inspect gas systems regularly.
- Replace regulators every 10 years or sooner, depending on the condition of the regulator



cavagna group

LPG & NATURAL GAS REGULATORS DIVISION

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LPG & NATURAL GAS REGULATORS DIVISION

## Double Stage Low Pressure Regulator



Model	Capacity BTU	Capacity Kgh LPG
424RV	160'000	3.5

34-1-110-0257

## IMPORTANT SAFETY INFORMATION

- 1-All "Cavagna product" shall be installed in accordance with the National standards and utilised for their intended and correct use. In particular, for the American requirements of the National Fire Protection Association pamphlets #54 # 58, DOT, ANSI and all applicable federal state, provincial and local standards, codes of practice, regulations and laws.
- 2-It is the responsibility of the sellers, installation and maintenance personnel and the end user to be aware of and in compliance with all the applicable standards, codes of practice, regulations and laws.
- 3-Always destroy damaged or worn regulators, pipes and parts so they cannot be reused.
- 4-Cavagna regulators must be routinely inspected and replaced after 10 years of use. Regulators that are exposed to extreme heat, cold or other severe environmental conditions must be inspected and replaced more often as dictated by their condition and performance.

## REGULATOR INSTALLATION GUIDELINES

1. Blow out all the lines before install the regulator. If foreign matter should become embedded in the regulator seat, it could cause high lockup pressure. The rising pressure could activate the pressure relief device inside the regulator. Make sure the lines to the regulator are free from all foreign matter.
2. Connect regulator inlet to the cylinder valve. Connect the regulator outlet to system service piping.
3. The regulator should be installed with the 2<sup>nd</sup> stage vent directed downward and /or under a covering to protect it from the ingress of rainwater.
4. Before turning on any gas at the cylinder, make certain that any valves at the appliance are fully closed.
5. Check each joint and connection for gas leaks by using an adequate foaming product.

## SAFETY DEVICES

### ***Protection device in case of overpressure***

The overpressure value (2PSI; 140 mbar), which is accepted by the UL standard 144, in case of working problems or anomalies, is controlled by a safety device consisting of a flow limiter working together with a safety valve. This device keeps the over pressure value widely lower than the value expected by the standard without releasing, high quantities of propane gas into the atmosphere through the vent hole.

### ***Protection device in case of an excess flow.***

The device "excess flow" assembled into the regulator operates (at 140% of the guaranteed flow rate) by limiting the gas flow to (50,000 BTU max.) in the event of a sudden increase in the desired flow, as in the case of hose rupture or accidental disconnection from the outlet of the regulator while in use.