

TECHNICAL CHARACTERISTICS

Gas Type	Propane
Outlet Pressure	2.8 kPa (28 mbar)
Inlet Pressure (Max.)	1750 kPa (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 explosion
- Only licenced gas fitters 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

Australia and New Zealand
Bromic Pty Ltd

Ph: 61 (02) 9748 3900

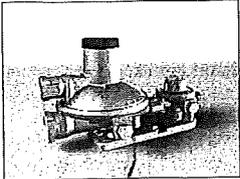
Fax: 61 (02) 9748 4289

www.bromic.com.au



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Double Stage Low Pressure Regulator



Model	Capacity Mj/hr	Capacity Kwh propane	Mounting Bracket	Cover
524C	160	4.4	211-1	211-2
524A	250	5.5	211-1	-
524B	500	11	211-1	-

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IMPORTANT SAFETY INFORMATION

-All Bromic / Cavagna regulators shall be installed or serviced by a licensed Gas Fitter. All Cavagna regulators shall be installed in accordance with AG5601 and comply with any local amendments to the installation standard.

-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.

-Always destroy damaged or worn regulators, pipes and parts so they cannot be reused.

-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 installing 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 2nd 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 leak detection method.

SAFETY DEVICES

Protection device in case of overpressure

The overpressure value (14 kPa), which is accepted by the UL standard 144/AG5601, 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 Mj/hr) 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.