



**CAVAGNA group**

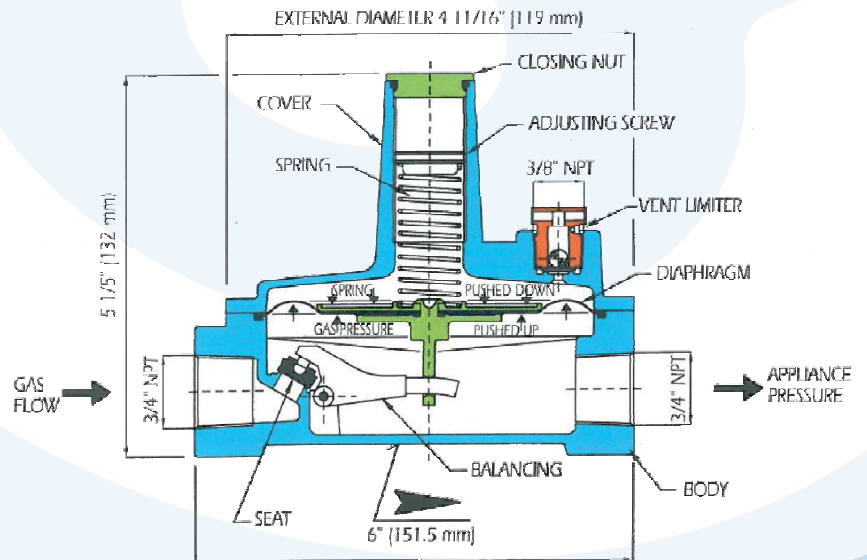
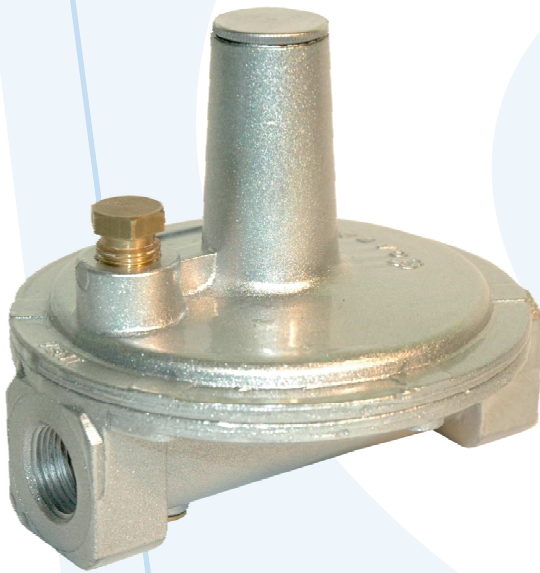
Wherever gas is used, we are there

# TYPE 95 REGULATOR 2 PSI

**ANSI Z21.80 CSA 6.22**  
LINE PRESSURE REGULATORS  
**ANSI Z21.18 CSA 6.3**  
GAS APPLIANCE PRESSURE REGULATORS



Design Certified



## SPECIFICATIONS

<b>Rated Inlet pressure:</b>	2 PSI 10 PSI	<b>Code:</b>	The four digit code indicates the calendar year and the week in which the regulator was manufactured (i.e.: 9725)
<b>Outlet pressure setting:</b>	<b>Type 951</b> 7" to 11" w.c. <b>Type 952</b> 7" to 11" w.c.	<b>Ambient temperature range:</b>	40 to 205 °F (-40 to 96 °C)
<b>Manufacturer's setting:</b>	<b>Type 951</b> 8" at 200 CFH <b>Type 952</b> 11" at 200 CFH	<b>Pipe size NPT:</b>	3/4" x 3/4" 1" x 1"
<b>Gases:</b>	Natural or L.P.gas	<b>Venting:</b>	Vent limiter "O" 6-38 3/8 NPT
		<b>Emergency Exposure Limits:</b>	65 PSI (4.5 BAR) Inlet side only

# REGULATOR TYPE 95 - 2 PSI

## DESCRIPTION OF THE REGULATOR

The O.A.R.A. Type 90 Pressure Regulators are manufactured in order to supply the highest performance both as LINE PRESSURE REGULATORS and GAS APPLIANCES REGULATORS. They feature precise regulating control from full flow down to tiny pilot flows.

All the models are approved by IAS in accordance with the two different standards. The regulators are manufactured in order to meet utility specifications for use on residential, commercial and industrial applications. The materials of all the component parts are carefully selected and corrosion resistant. The DIAPHRAGM and the WASHER are made of NITRILE RUBBER, which guarantees a resistance to combustible gas.

The rubber is selected to work at the following ambient temperatures: -40 to 205 °F (-40 to 96 °C).

HOUSINGS are rugged aluminum die castings.

The VENT LIMITER is made of brass. The regulators are supplied with a vent limiter type "0" 3-18 thread 1/8 NPT; in the event of a diaphragm rupture, gas escapement is limited to within ANSI standard level.

The special manufacture of the regulator, with balancing and seat, guarantees excellent control of the outlet pressure in the event of absence of flow.

## OUTLET PRESSURE ADJUSTMENT METHOD

1. Remove the aluminum protection cap which is on the cover of the regulator.
2. If you want to increase the outlet pressure, turn the adjustment screw clockwise; if you want to decrease, turn counterclockwise.
3. WARNING !!! Replace the aluminum protection cap.

## NOTES FOR THE INSTALLER

- The regulators have been manufactured with high quality materials, carefully selected for corrosion and all combustible gas resistant. In case of outside installation, however, the regulators should be properly protected from bad weather.
- The regulators must be horizontally installed with the cover upwards in order to allow the correct function of the vent limiter; in case of other position installation, it is necessary to remove the vent limiter and connect a 1/8" NPT threaded pipe to vent any gas leaks outwards.
- Be sure gas flow is the same as the gas arrow indicated on the body of the regulator.
- The installation must be performed in accordance with local codes or, if absent, with the National Fuel Gas code ANSI Z223.1, or with Installation codes CAN/CGA-B149.
- If the regulators are installed in supply lines with a pressure over 2 PSI, it is necessary to supply them with independent means to limit the downstream pressure to a maximum of 2 PSI.

On this purpose, O.A.R.A. produces the Overpressure Relief Devices Type 274.

Consult "IST.OPD" for the data sheet and the instruction for installation.

## PRESSURE DROP - 0.64 sp gr gas expressed in CFH (m3/h)

Press. drop	7.0" psi= 17 mbar	1/2 psi= 34.5 mbar	3/4 psi= 52 mbar	1 psi= 69 mbar
Flow rate	359	504	627	719
CFH (m3/h)	(10.1)	(14.3)	(17.7)	(20.3)

## CAPACITIES based on 1" w.c. pressure drop from set point 0.64 sp gr gas expressed in CFH (m3/h)

Model	Outlet Pressure	1/2 psi= 34.5 mbar	3/4 psi= 52 mbar	1 psi= 69 mbar	2 psi= 138 mbar	5 psi= 345 mbar
95	7" w.c.	364 (10.3)	403 (11.4)	447 (12.7)	517 (14.6)	645 (18.3)
	8" w.c.	359 (10.2)	394 (11.2)	447 (12.7)	509 (14.4)	636 (18.0)
	9" w.c.	342 (9.7)	381 (10.8)	430 (12.2)	500 (14.2)	636 (18.0)
	10" w.c.	329 (9.3)	377 (10.7)	403 (11.4)	496 (14.0)	627 (17.8)
	11" w.c.	302 (8.5)	360 (10.2)	372 (10.5)	473 (13.4)	614 (17.8)

## PRESSURE DROP CHART

