

# Regulator Type 90/2 PSI

## APPLICATION

The O.A.R.A. Type 90 Pressure Regulators are manufactured to supply the highest performance both as LINE PRESSURE REGULATORS and GAS APPLIANCE REGULATORS.

## FEATURES

- Precise regulating control from full flow down to tiny pilot flows.
- All models are approved by IAS in accordance with the two different standards.
- Manufactured in order to meet utility specifications for use on residential, commercial and industrial applications.
- Materials of all component parts are carefully selected and corrosion-resistant.
- Diaphragm and Washer are made of NITRILE RUBBER, which guarantees resistance to combustible gas.
- Rubber is selected to work at the following ambient temperatures: -40 to 205°F (-40 to 96°C).
- Housings are rugged aluminum die castings.
- Vent Limiter is made of brass.
- Regulators are supplied with a vent limiter type "0" 3-18 thread 1/8" NPT. In the event of diaphragm rupture, gas escapement is limited to within ANSI standard level.
- Special manufacture of the regulator, with balancing and seat, guarantees excellent control of the outlet pressure in the event of absence of flow.

## SPECIFICATIONS

**Rated inlet pressure:** . . . . .2 PSI (138 mbar)

**Outlet pressure setting:** . . .Type 901 . . .7"-9" w.c.  
 Type 902 . . .9"-12" w.c.  
 Type 903 . . .7"-11" w.c.  
 Type 904 . . .7"-11" w.c.  
 Type 905 . . .5"-9" w.c.

**Manufacturer's setting:** . . .Type 901-903 . . .8" at 100 CFH  
 Type 902-904 . . .11" at 100 CFH  
 Type 905 . . . . .6" at 100 CFH

**Gases:** . . . . .Natural or LP gas

**Code:** . . . . .The four digit code indicates the calendar year and the week in which the regulator was manufactured (i.e.: 9825)

**Ambient temp. range:** . . .-40 to 205°F (-40 to 96°C)

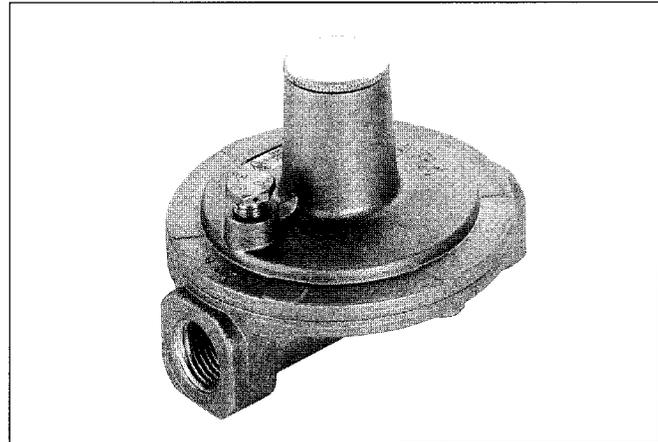
**Pipe size NPT:** . . . . .1/2" x 1/2"

**Venting:** . . . . .Vent limiter "0" 3-18 1/8" NPT

**Emergency exposure limits:** 65 PSI (4.5 BAR) inlet side only

## ORDERING INFORMATION

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

Press. drop	7.0" w.c. = 17 mbar	1/2 psi = 34.5 mbar	3/4 psi = 52 mbar	1 psi = 69 mbar
Flow rate CFH (m3/h)	155 (4.3)	220 (6.1)	280 (7.8)	310 (8.7)

## CAPACITIES based on 1" w.c. pressure drop from set point 0.64 sp gr gas expressed in CHF (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
90	6" w.c.	160 (4.5)	200 (5.6)	235 (6.6)	285 (8.0)	350 (9.8)
	7" w.c.	155 (4.3)	200 (5.6)	230 (6.4)	280 (7.8)	345 (9.7)
	8" w.c.	155 (4.3)	195 (5.5)	230 (6.4)	270 (7.6)	335 (9.4)
	9" w.c.	145 (4.1)	190 (5.3)	215 (6.0)	260 (7.3)	325 (9.1)
	10" w.c.	135 (3.8)	180 (5.0)	205 (5.7)	245 (6.7)	310 (8.7)
	11" w.c.	125 (3.5)	170 (4.8)	195 (5.5)	235 (6.6)	300 (8.4)
	12" w.c.	125 (3.5)	165 (5.5)	195 (5.5)	230 (6.4)	295 (8.3)

## PRESSURE DROP CHART

