

Line Pressure Regulators

Type 90 2-PSI I



Technical Specifications

- Rated inlet pressure:** 2 PSI
- Outlet pressure setting:**
 - 5"-9"w.c.
 - 7"-9"w.c.
 - 7"-11 "w.c.
 - 9"-12"w.c.
 - 11"- 13"w.c.
- Gases:** Natural Gas or Propane
- Code:** The four digit code indicates the year and the calendar week, in which the regulator was manufactured (i.e. 1012: in twelfth week of 2010)
- Ambient temp. range:** -40/205°F
- Pipe size NPT:** 1/2" x 1/2"
- Venting:** Vent limiter "0" 3-18 1/8" NPT
- Emergency exposure limits:** 65 PSIG inlet side only
- Type 90:** L 4.409 x W 3.956 x H 3.492" - Weight: 22.75 oz.

Application

Type 90 OARA regulators are manufactured to supply the demands of both Line Pressure Regulators and Gas Appliance Regulators.

Features

- Precise regulating control of both full flow and of tiny pilot flows.
- All models are approved by IAS, in accordance with the two different standards.
- Manufactured in order to fulfil utility specifications for usage in 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 gases.
- Rubber is selected to work at the following ambient temperatures: -40/205 °F.
- Housings are made of rugged die-cast aluminium.
- Regulators are supplied with a vent limiter type "0"3-18 thread 1/8" NPT. In case of diaphragm rupture, gas leakage is limited within ANSI standard levels.
- Manufacturing of the regulators in terms of balancing capacity guarantees excellent control of the outlet pressure in case of absence of flow.

CAPACITIES based on 1" w.c. pressure drop from set point 1.52 sp gr gas expressed in BTU (PROPANE stabilizer)

Model	Outlet Pressure	½ PSIG	¾ PSIG	1 PSIG	2 PSIG	5 PSIG
90	6" w.c.	250,000	313,000	368,000	447,000	548,000
	7" w.c.	243,000	313,000	360,000	439,000	541,000
	8" w.c.	243,000	306,000	360,000	423,000	525,000
	9" w.c.	227,000	298,000	337,000	407,000	509,000
	10" w.c.	211,000	282,000	321,000	384,000	486,000
	11" w.c.	196,000	266,000	306,000	368,000	470,000
	12" w.c.	196,000	259,000	306,000	360,000	462,000

CAPACITIES based on 1" w.c. pressure drop from set point 0.64 sp gr gas expressed in CFH

Model	Outlet Pressure	½ PSIG	¾ PSIG	1 PSIG	2 PSIG	5 PSIG
90	6" w.c.	160	200	235	285	350
	7" w.c.	155	200	230	280	345
	8" w.c.	155	195	230	270	335
	9" w.c.	145	190	215	260	325
	10" w.c.	135	180	205	245	310
	11" w.c.	125	170	195	235	300
	12" w.c.	125	165	195	230	295

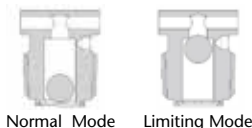
PRESSURE DROP - 0.64 sp gr gas expressed in CFH

Press. drop	7.0" PSIG	½ PSIG	¾ PSIG	1 PSIG
Flow rate CFH	155	220	280	310



Vent Limiter Code 19-4-950-0002

Vent limiters are designed for use indoors and in spaces where limiting the amount of gas escapement due to diaphragm failure is critical. vent limiters should not be used outdoors if they are exposed to the environment. A vent limiting orifice or device does not release or relieve gas into the environment during normal operation. Connection: 1/8" NPT



Line Pressure Regulators

Type 95 2-PSI I



Technical Specifications

- Rated inlet pressure:** 2 PSI
- Outlet pressure setting:**
7"-11" w.c.
11"-13" w.c.
- Outlet pressure setting:**
Type 951 8" at 200 CFH
Type 952 11" at 200 CFH
- Gases:** Natural Gas or Propane
- Code:** The four digit code indicates the year and the calendar week, in which the regulator was manufactured (i.e. 1012: in twelfth week of 2010)
- Ambient temp. range:** -40/205°F
- Pipe size NPT:** 3/4" x 3/4" - 1"x 1"
- Venting:** Vent limiter "0" 6-38 3/8" NPT
- Emergency exposure limits:** 65 PSIG inlet side only
- Type 95** - L 5.964 x W 5.551 x H 5.196" - Weight: 47.625 oz.

Application

Type 95 OARA regulators are manufactured to supply the demands of both Line Pressure Regulators and Gas Appliance Regulators.

Features

- Precise regulating control of both full flow and of tiny pilot flows.
- All models are approved by IAS, in accordance with the two different standards.
- Manufactured in order to fulfil utility specifications for usage in 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 gases.
- Rubber is selected to work at the following ambient temperatures: -40/205 °F.
- Housings are made of rugged die-cast aluminium.
- Vent limiter is made of brass.
- Regulators are supplied with a vent limiter type "0" 6-38 thread 1/8" NPT. In case of diaphragm rupture, gas leakage is limited within ANSI standard levels.
- Manufacturing of the regulators in terms of balancing capacity guarantees excellent control of the outlet pressure in case of absence of flow.

CAPACITIES based on 1" w.c. pressure drop from set point 1.52 sp gr gas expressed in BTU (PROPANE stabilizer)

Model	Outlet Pressure	1/2 PSIG	3/4 PSIG	1 PSIG	2 PSIG	5 PSIG
95	7" w.c.	570,000	632,000	701,000	810,000	1,011,000
	8" w.c.	563,000	618,000	701,000	798,000	997,000
	9" w.c.	536,000	597,000	674,000	784,000	997,000
	10" w.c.	516,000	591,000	632,000	777,000	983,000
	11" w.c.	473,000	564,000	583,000	741,000	962,000

CAPACITIES based on 1" w.c. pressure drop from set point 0.64 sp gr gas expressed in CFH

Model	Outlet Pressure	1/2 PSIG	3/4 PSIG	1 PSIG	2 PSIG	5 PSIG
95	7" w.c.	364	403	447	517	645
	8" w.c.	359	394	447	509	636
	9" w.c.	342	381	430	500	636
	10" w.c.	329	377	403	496	627
	11" w.c.	302	360	372	473	614

PRESSURE DROP - 0.64 sp gr gas expressed in CFH

Press. drop	7.0" PSIG	1/2 PSIG	3/4 PSIG	1 PSIG
Flow rate CFH	359	504	627	719



Vent Limiter

Code 19-4-950-0004

Vent limiters are designed for use indoors and in spaces where limiting the amount of gas escapement due to diaphragm failure is critical. vent limiters should not be used outdoors if they are exposed to the environment. A vent limiting orifice or device does not release or relieve gas into the environment during normal operation.
Connection: 3/8" NPT



Normal Mode



Limiting Mode