

# 325 SERIES

Lever Acting Design

**M**axitrol's 325 series pounds to inches regulators are for use on residential, commercial, and industrial applications. The 325 series features a high leverage valve linkage assembly to deliver positive dead-end lockup. The regulators are capable of precise control from full flow down to pilot flow.



325-3

## Specifications

Pipe Sizes	3/8" to 2" threaded connections with NPT or ISO7-1 threads.
Housing Material	325-3, 325-5, 325-7A, 325-9, 325-11: aluminum.
Mounting	Suitable for multi-positional mounting. If a <b>v</b> Limiter® or <b>v</b> Protector® is installed, mount in an upright position only.  <b>NOTE:</b> All Maxitrol gas pressure regulators should be installed and operated in accordance with Maxitrol Safety Warning Instructions (see GPR_MI_EN.ES or GPR_CSA_MI_EN.FR).
Certifications	325-3, 325-5: ANSI Z21.18/CSA 6.3 Gas Appliance Pressure Regulators.
Gas Types	Suitable for natural, manufactured, mixed gases, liquefied petroleum gases, and LP gas-air mixtures.
Rated Inlet Pressure	CSA Certified: 325-3, 325-5: 2 psi (13.8 kPa), 5 psi (34.5 kPa)
Maxitrol Tested	325-3, 325-5, 325-7A, 325-9, 325-11: 10 psi (69 kPa) <i>With Vent Limiter 12A09, 12A39, or 12A49 Installed:</i> 325-3, 325-5, 325-7A, 325-9: 5 psi (34.5 kPa) - Natural, 2 psi (13.8 kPa) - LP
Emergency Exposure Limits	65 psi (450 kPa) (inlet side only)
Maximum Individual Load	Largest single appliance served by the regulator: 325-3: 100,000 Btu/h; 325-5: 325,000 Btu/h; 325-7A: 1,250,000 Btu/h, 325-9: 2,250,000 Btu/h; 325-11: 4,500,000 Btu/h
Capacity	Total load of multiple appliances combined: 325-3: 150,000 Btu/h; 325-5: 325,000 Btu/h; 325-7A: 1,250,000 Btu/h; 325-9: 2,250,000 Btu/h; 325-11: 4,500,000 Btu/h  <b>NOTE:</b> Capacities are used to determine the maximum multiple appliance load. The largest single appliance served by the regulator should not exceed the maximum individual load specified above.
Ambient Temperature Ranges	-40 to 205°F (-40 to 96°C)
Minimum Regulation	Suitable for pilot flow applications. <b>(P)</b> (Circle P) (0.15 CFH NG), None (1.5 CFH NG).

# ACCESSORIES

## Vent Tube Connector

Threaded sleeve - two piece assembly where the nut is tightened inside male connector.

- **11A03:** connects 1/8" female pipe thread to 1/8" O.D. tubing.
- **11A04:** connects 1/8" female pipe thread to 1/4" O.D. tubing.

Threaded sleeve nut - for RV20V.

- **11A08:** 5/16-24 threaded sleeve nut for 1/8" O.D. tubing.

Compression fitting - where nut and sleeve are slipped over tubing and tightened into fitting body.

- **11A05-42:** connects 1/4" female pipe thread to 1/4" O.D. tubing.
- **11A05-61:** connects 1/8" female pipe thread to 1/8" O.D. tubing.
- **11A05-63:** connects 3/8" female pipe thread to 3/8" O.D. tubing.
- **11A05-64:** connects 1/2" female pipe thread to 3/8" O.D. tubing.

## Vent Limiting Device: $\checkmark$ Limiter®

Optional automatic vent limiting device - ball check permits unobstructed inhalation for fast regulator diaphragm response on opening cycle, but limits gas escapement to within ANSI standards should a diaphragm rupture.

**NOTE:** When using the vent limiting device, regulator must be mounted in a horizontal upright position.

- **12A04:** CSA certified for up to 1/2 psi (14" w.c.) inlet pressure. Use on RV48, RV52, RV53, RV61, R400(S), R500(S), R600(S) regulators. Color - brass. 1/8" NPT.
- **12A09:** CSA certified for 2 psi (LP) and 5 psi (natural) inlet pressure with 325-3 and 325-3L regulators; OPD48, OPD600. Color - green. 1/8" NPT.
- **12A34:** CSA certified for up to 1/2 psi (14" w.c.) inlet pressure with RV81. Color - brass. 3/8" NPT.
- **12A39:** CSA certified for 2 psi (LP) and 5 psi (natural) inlet pressure with 325-5 and 325-5L regulators; OPD210D. Color - brass. 3/8" NPT.
- **12A49:** CSA certified for 2 psi (LP) and 5 psi (natural) inlet pressure with 325-7A, 325-7AL, 325-9, and 325-9L regulators; OPD210E. Color - brass. 1/2" NPT.

**Satisfies ANSI Standards for both Natural and LP gas.**

**NOTE:** Vent limiters are not recommended for use in models RV91, RV111, RV131, and 210 Series.

## Vent Limiting Orifice

- **12A06:** Orifice hole is on side of body, under head. Fixed orifice equally limits inhalation and escapement. Use on RV48, RV52, RV53, RV61, R400(S), R500(S), R600(S) regulators. Color- brown. 1/8" NPT.

**Satisfies ANSI Standards for both Natural and LP gas.**



11A03



11A08



11A05



12A09



12A39



12A49



12A06