

VR8200 Low Voltage



Ignition Type: Standing Pilot
Application: Single Stage
Type of Fuel: Natural (LP if conversion kit included)
Body Pattern: Straight-through
Electrical Connections: 1/4 in. quick-connect male terminals
Pilot Gas Outlet: Compression fitting for 1/4 in. OD tubing
Pressure Tapping: 1/8 in. NPT with plug
Capacity (kBtu/h): At 1 in. wc p.d. – 130,000 BTU/h; 20,000 BTU/h minimum; 200,000 BTU/h maximum Natural Gas
Pressure Ratings (psi): 1/2 psi
Pressure Ratings (kPa): 3.5 kPa
Operating Temperature Range: 0°F to 175°F (-18°C to +79°C)
Mounting: 0 to 90 degrees in any direction from the upright position of the gas control knob, including vertically.
Approvals, Underwriters Laboratories Inc.: UL Component Recognized MCCZ2.MH5323
Approvals, CSA: CSA International: 112395
Approvals, Australian Gas Association: 4752

Gas valves for use in 24 Vac, gas-fired, standing pilot appliances with capacities from 20 to 200 cfh.

- Gas valves include manual valve, two automatic operators, servo pressure regulator and pilot adjustment.
- Compact size.
- Provide two automatic valves.
- Solenoid-operated first automatic valve opens on thermostat call for heat; closes when call for heat ends.
- Diaphragm-operated second automatic valve opens under control of regulator; closes if gas or power supply is interrupted.
- Meet codes requiring dual safety shutoff.
- Natural to LP and LP to Natural conversion kits available for standard and slow opening gas valves.
- LITE-RITE (OFF-PILOT-ON) lighting sequence.
- All adjustments, wiring connections and pilot outlet are accessible from top of control.
- Adjustable servo regulator effectively maintains almost constant gas output pressure under wide fluctuations in gas supply pressure.
- Compatible with ECO connector.

Accessories:

- 390427A/U** – One 3/4 x 1/2 in. reducer bushing
390427B/U – One 1/2 inch x 3/8 inch reducer bushing
390427E/U – Two 3/4 x 1/2 in. reducer bushings
393200-1/U – ECO adapter with 1/4" x 0.032" quick-connect terminals for VR8200 and VR8300 family.
393690-13/U – 1/2" NPT Elbow Flange kit includes flange, o-rings and hex screws
393690-4/U – 3/4" NPT Straight Flange kit includes flange, o-rings and hex screws
393691/U – Single Stage Natural to LP Gas Conversion Kit. 8" to 12" adjustment range. Includes regulator spring, o-ring, adjustment screw and cap screw
394588/U – Single Stage LP to Natural Gas Conversion Kit. 3" to 5" adjustment range. Includes regulator spring, o-ring, adjustment screw and cap screw
395253-1/U – Single Stage LP to Natural Gas Conversion Kit. 5" to 7" WC adjustment. Includes regulator spring, o-ring, and adjustment screw and cap screw
396221/U – Single Stage Natural to LP Gas Conversion Kit. 8" to 12" adjustment range. Includes regulator spring, o-ring, and adjustment screw. Reuse existing cap screw.
396222/U – Single Stage LP to Natural Gas Conversion Kit. 3" to 5" adjustment range. Includes regulator spring, o-ring, and adjustment screw. Reuse existing cap screw.

Material Number	Voltage	Frequency	Opening Characteristics	Inlet/Outlet Size (in.)	Pressure Regulator Setpoint (in. wc)	Pressure Regulator Setpoint (kPa)	Includes
VR8200A2124/U	24 Vac	60 Hz	Standard	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	One 3/4 in. straight flange One 1/2 x 3/8 in. reducer bushing Natural to LP conversion kit Q340 Thermocouple
VR8200A2132/U	24 Vac	60 Hz	Standard	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	One 3/4 in. straight flange One 1/2 x 3/8 in. reducer bushing Natural to LP conversion kit
VR8200A2322/U	24 Vac	60 Hz	Standard	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	Natural to LP Conversion Kit
VR8200A2744/U	24 Vac	60 Hz	Standard	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	One 3/4 in. straight flange One 3/4 in. elbow flange One 1/2 x 3/8 in. reducer bushing Natural to LP conversion kit
VR8200C1041/U	24 Vac	60 Hz	Step	1/2 in. x 1/2 in.	Step Setting: 0.9 in. WC non-adjustable; Full Rate: 3.5 in. wc	Step Setting: 0.22 kPa; Full Rate: 0.87 kPa	–
VR8200H1236/U	24 Vac	60 Hz	Slow	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	Natural to LP Conversion Kit
VR8200H1251/U	24 Vac	60 Hz	Slow	1/2 in. x 1/2 in.	3.5 in. WC	0.87 kPa	One 3/4 in. straight flange One 1/2 x 3/8 in. reducer bushing Natural to LP conversion kit