

## **DtiCorp.com is Introducing 5 Honeywell VS820 Millivolt Gas Valves**

*These gas controls combine a Lite-Rite manual gas petcock, safety shutoff Pilotstat assembly, millivoltage automatic valve operator, and optional gas pressure regulator. They require the use of a 750 mv Powerpile generator (thermopile). The generator, heated by the pilot burner flame, provides the electrical energy to operate the combination gas control. A millivoltage thermostat with suitable accessory controls completes the automatic control system for the heating appliance.*

August 4, 2010 (FPRC) -- Popular Honeywell online retailer DtiCorp.com (<http://www.DtiCorp.com>) is introducing 5 Honeywell VS820 Millivolt Gas Valves. These gas controls combine a Lite-Rite manual gas petcock, safety shutoff Pilotstat assembly, millivoltage automatic valve operator, and optional gas pressure regulator. They require the use of a 750 mv Powerpile generator (thermopile). The generator, heated by the pilot burner flame, provides the electrical energy to operate the combination gas control. A millivoltage thermostat with suitable accessory controls completes the automatic control system for the heating appliance.

Models equipped with the standard pressure regulator are identified by the suffix letter 'A' (VS820A). Models without pressure regulator carry the suffix letter 'B' (VS820B). Suffix letter 'C' (VS820C) identifies models having step opening type regulators. Pressure regulators and operator are standardized and interchangeable on all models in the two capacity ranges - 225 and 335 cubic feet per hour.

### Features:

- Include pilot flow adjustment screw.
- Easy to install, adjust and service; all adjustments and connections are accessible from top of control.
- Add separate energy cutoff (ECO) where codes call for dual safety shutoff.
- Complete safety shutoff on pilot flame failure.
- LITE-RITE (OFF-PILOT-ON) lighting sequence.
- ECO connector for V800 models, Part No. 392451-1.

### Specifications:

1. These controls can be mounted 0-90 degrees, in any direction, from the upright position of the gas petcock knob.
2. Install the control so that gas supply is connected to the end provided with projecting boss for wrench application.
3. After Powerpile generator is installed, route generator lead to Powerpile operator and connect to Powerpile terminals labeled PP. Make certain jumper lead from Powerpile operator to safety shutoff Pilotstat power unit is connected and tightened 1/4 turn beyond finger tight.
4. The pilot flame should envelop 3/8 to 1/2 inch of the tip of the thermocouple. Remove pilot adjustment cover screw. Turn inner adjustment screw clockwise to decrease or counterclockwise to increase pilot flame.
5. Check burner performance at step pressure, observing burner ignition and flame characteristics. Burner should ignite properly and without flashback to orifice, and all ports should remain lit.
6. Do not exceed input rating stamped on nameplate of appliance, or manufacturer's recommended burner orifice pressure for size orifice(s) used. Make certain primary air supply to main burner is properly adjusted for complete combustion. Follow instructions of appliance manufacturer if provided.
7. Make certain there is no gas flow through the meter other than to the appliance being checked. Other appliances must remain off, and the pilot extinguished (or their consumption deducted from the meter reading).
8. Put the system into operation and observe through complete cycle to be sure all controls function properly. Make certain the Pilotstat unit shuts off gas flow to main burner within 2-1/2 minutes after pilot flame is extinguished.
9. Approvals, Underwriters Laboratories Inc: UL Component Recognized
10. Approvals, American Gas Association: AGA Design Certified: File no. L2025003
11. Approvals, Canadian Gas Association: CGA Design Certified: File no. L2025003

Models available:

1. VS820A1047 1/2 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with 3.5 in. wc adjustable pressure regulator setting
2. VS820A1054 3/4 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with 3.5 in. wc adjustable pressure regulator setting
3. VS820A1088 3/4 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with 3.5 in. wc adjustable pressure regulator setting

4. VS820A1336 3/4 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with 10.0 in. wc adjustable pressure regulator setting

5. VS820C1100 3/4 in. NPT x 3/4 in. NPT PowerPile Millivolt Combination Gas Valve with Step: 0.9 in. wc non-adjustable; Full rate: 3.5 in. wc, 3-5' adjustable pressure regulator setting

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DtiCorp.com, Honeywell, VS820, Residential, Millivolt Gas Valve, Gas Valve, VS820A1047, VS820A1054, VS820A1088, VS820A1336, VS820C1100

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### **Keywords**

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