

Model 00200 Valve For Use With Pressures Up To And Including 25 PSIG

Application

The 00200 high pressure valves are designed for commercial and industrial applications (including industrial heaters, crop dryers, etc.) with gas pressures of up to and including 25 psig. These valves stop gas flow to the pilot and main burner in the event of pilot flame failure. They may be used with manufactured, natural, mixed and LP gases.

NOTE: This unit should be used only in applications which are within the limitations and provisions of the applicable American National and/or U.L. standards.

Installation

CAUTION: Gas supply should be shut off at the manual shutoff valve before installing the gas valve.

The 00200 valves may be mounted in any convenient position and are suitable for operation over a temperature range of 32°F to 175°F.

When installing the valve on the manifold, be sure the gas flows through the valve body in the direction indicated by the arrow on the body of the valve. If the valve is installed with the gas flow opposite the arrow, leakage can occur. When installing the valve, use a wrench only on the casting flats located at the inlet and outlet ends of the valve.

Before assembling use an approved pipe-joint sealing compound on the male threads. Take care to see that excess compound does not work into the valve and get onto the valve seats. Threads of pipe and nipples must be smooth and free of tears and burrs.

All piping should be steam cleaned to remove foreign substances such as cutting oil or threading chips. A sediment trap should also be installed in accordance with the National Fuel Gas Code (ANSI Z223.1). (See Fig. 2.)

Attach the thermocouple securely to the pilot burner and screw the terminal end to the thermocouple terminal on the valve. Be sure this electrical connection is clean and tight.

Attach the pilot gas line to the pilot burner fitting and to the pilot gas outlet of the 00200 valve.

Checkout Procedure

After installation is complete, test for leaks with a soap solution.

1. Close the "A" valve and wait at least five minutes for unburned gas to escape from the appliance; then reopen the "A" valve.
2. Depress the reset button and light the burner being served. (If appliance is equipped with a pilot burner, light the pilot burner.)
3. Continue to hold down the reset button 30 to 45 seconds or until the burner continues to burn when the button is released.
4. Extinguish the burner by closing the "A" valve and then verify that the valve has dropped out within 90 seconds.

Before leaving the installation, observe several complete operating cycles to see that all components are functioning correctly.

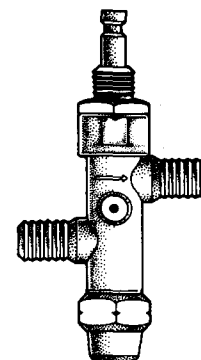


Fig. 1 — 00200 Valve

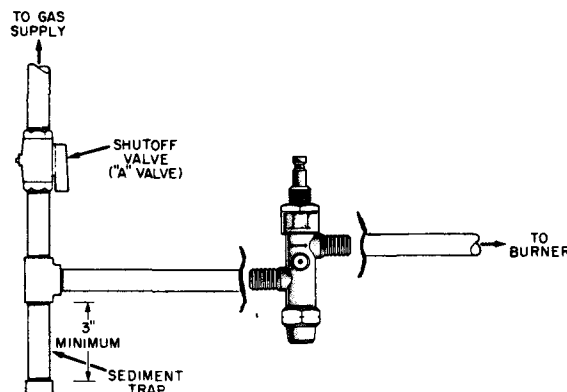


Fig. 2 — Drawing showing installation of the sediment trap in a manually operated system.

Pilot Service

If pilot flame problems occur check the following:

1. If pilot flame burns yellow it may be due to dirt or lint that has covered the lower portion of the pilot burner. This can be removed with a soft brush or by vacuuming.
2. The flame must surround the thermocouple tip for approximately 1/2 inch.
3. Because this is an electrical connection, the thermocouple lead connection to the power must be tight, clean and free of grease.

Repairs and Replacements

CAUTION: Turn off gas at the manual shutoff "A" valve next to the appliance **BEFORE** attempting to loosen any gas connections.

Non-operation may be due to thermocouple output. Before replacing the valve, check the thermocouple output and the power unit dropout.

The 00200 is not repairable. Any attempts to repair this assembly voids the manufacturer's guarantee. For a replacement valve contact the nearest wholesaler.