



**OPERATING AND INSTALLATION INSTRUCTIONS FOR  
PREFERRED TYPE 110 FIRE SAFETY LEVER GATE VALVE**

The Preferred Type 110 Lever Gate Valves are fully ported, quick closing, fire-safety valves used in pump suction or burner supply lines in oil fired combustion installations to provide automatic closing of the fuel supply line in the event of a fire emergency. Valve operation is fully mechanical and not dependent on electric power. Extra long stem packing is designed to avoid pump suction line air leaks.

**OPERATION:**

The type 110 gate valve is lever operated and quick closing with approximately one-quarter turn of the valve lever. It is spring loaded to close, and held open by stretched stainless steel wire containing a fusible link(s). A temperature rise to 165°F melts the link to break the wire and release the lever. The spring instantly closes the valve shutting off the oil supply. The valve is furnished with 25 feet of wire and two fusible links. Additional links are available, Part No. 13084.

**INSTALLATION:**

**FOLLOW ALL PROPER PIPING AND VALVE INSTALLATION PRACTICES.**

Locate the valve in a horizontal pipe run where the supply enters the boiler room, and/or each burner or where dictated by code. Install the hold-open wire with the link(s) located in the area(s) to be temperature monitored. Enough tension should be placed on the stretched wire to keep the lever in an open position. When required by code or specification, the installer may replace or augment the closing spring force by installing a suitable falling weight in the connecting wire in a position that will close the valve with a breaking of the wire.

**SPECIFICATIONS:**

125 lb. Bronze Construction.  
Maximum Pressure: 125 PSI.  
Service: Oil.  
Sizes: 1", 1 1/4", 1 1/2", 2", 3" - Screwed.  
Fully ported.  
Hand Lapped Seats and Discs.

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