



**2509-256**

## “CUSHIONED POWER” SOLENOID VALVES

For use on All Types of Gas Burners

### FEATURES

- Resilient-mounted coil, sound-deadening cover, compression spring closing and soft seat construction.
- No direct metal to metal contact to transmit operating sounds.
- 2509 model has pipe plug on each side (upstream) for pressure tap.
- For use with all gases\*, see caution note here.
- Two 30" electrical leads.

**\*CAUTION:** DO NOT USE THESE VALVES ON LP GAS APPLICATIONS EXCEPT WITH A 100% SHUT-OFF SYSTEM.

### SPECIFICATIONS

Electrical Rating . . . . . 24 VAC 60 Hz, 0.4 amps;  
120 VAC 60 Hz, 0.1 amps  
Agency . . . . . A.G.A. and C.G.A. certified  
Maximum Pressure Rating . . . . . 1/2 PSI (14.0" W.C.)  
Ambient Operating Range . . . . . -40 to +125°F (-40 to +51°C)

Model Number	Coil Voltage 60 Hz	Inlet-Outlet Size	Capacity A.G.A. Standard Gas ①	Gas Type	Description
2509-254	24 VAC	1/2" x 1/2"	329,000	ALL	Without Plug-In Pilot
2509-256	24 VAC	3/4" x 3/4"	451,000	ALL	Without Plug-In Pilot
2509-258	24 VAC	1" x 1"	687,000	ALL	Without Plug-In Pilot
2509A-254	120 VAC	1/2" x 1/2"	329,000	ALL	Without Plug-In Pilot
2509A-256	120 VAC	3/4" x 3/4"	451,000	ALL	Without Plug-In Pilot
2509A-258	120 VAC	1" x 1"	687,000	ALL	Without Plug-In Pilot

① See page 414 for capacities of other gases



**764-702**

## 764 SERIES THERMOCOUPLE OPERATED GAS PILOT SAFETY/GAS FIREPLACE VALVES

Non-Regulated, Safe Lighting, In Line Appliance Control with 100% Shut Off. **Do Not Use on Unvented Applications**

### FEATURES

- Redesigned to include 100 PSI protection, inlet screen and inlet pipe stop.
- Optional rear inlet tapped and plugged.
- May be mounted horizontal, vertical and 90° from horizontal (multipoise).
- Valves have adjusted pilot pressure and manual shut-off valve.
- Functional replacement for Jade Controls J-100 gas valve.

### SPECIFICATIONS

Electrical Rating . . . . . 20 to 30 mV (Thermocouple)  
Regulator Adjustment Range . . . . . Non-regulated  
Maximum Pressure Rating . . . . . 1/2 PSI (14.0" W.C.)  
Ambient Operating Range . . . . . 32 to 175°F  
Swing Radius . . . . . 2.5"  
Agency . . . . . A.G.A. and C.G.A. design certified

### PARTS AND ACCESSORIES See end of this section for additional parts and accessories

- F42-0895 — Replacement knob
- Thermocouples see page 82

Model Number	Coil Voltage	Inlet-Outlet Size	Capacity A.G.A. Standard Gas ①	Electrical Connection
764-702	20 to 30 mV	3/8" x 3/8"	132,000	Thermocouple
764-742	20 to 30 mV	1/2" x 1/2"	142,000	Thermocouple

① See page 414 for capacities of other gases