

**764-702**

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

In Line Appliance Control with 100% Shut Off.

**FEATURES / SPECIFICATIONS / PART AND ACCESSORIES**

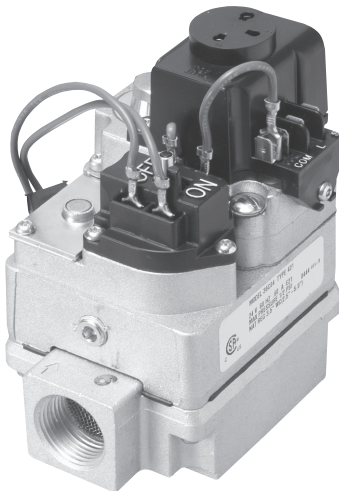
- Redesigned to include 100 PSI protection, inlet screen and inlet pipe stop.
- Optional rear inlet tapped and plugged.
- May be mounted horizontal, vertical and 90° from horizontal (multipoise).

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 . . . . .	C.S.A. approved

- F42-0895 — Replacement knob

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



**36C84-912**

**36C CYCLE PILOT GAS VALVES**

With Redundant Pilot Solenoid Main Gas Regulator, Integral Gas Pressure Switch and Electrical Connection on the Gas Valve for Mercury Flame Sensor Connection.

**SPECIFICATIONS**

Electrical Rating . . . . .	0.6 amps
End to End Dimensions . . . . .	3 <sup>15</sup> / <sub>16</sub> "
Ambient Operating Range . . . . .	-40 to +175°F (-40 to 79°C)
Maximum Pressure Rating . . . . .	1/2 PSI (14.0" W.C.)
Agency . . . . .	C.S.A. approved

Pipe Size	1" Pressure Drop Capacity		Rated Range of Regulation	
	BTU/HR		BTU/HR	
	STD. NAT GAS 1000 BTU/CU. FT.	LP GAS 2500 BTU/CU. FT.	STD. NAT GAS 1000 BTU/CU. FT.	LP GAS 2500 BTU/CU. FT.
1/2 X 3/8	100,000	162,000	15,000-100,000	15,000-162,000
1/2 X 1/2	230,000	372,600	30,000-290,000	30,000-469,000
1/2 X 3/4	230,000	372,600	30,000-290,000	30,000-469,000
3/4 X 3/4	280,000	453,600	50,000-400,000	50,000-648,000

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



**TECHNICAL HELP**

Wiring Diagrams . . . . . See pages 171-174

Model Number	Coil Voltage	Gas Type	Pipe Size	Opening Characteristic	Regulator Setting	Regulator Adjustment Range	Convertible Nat. / LP	LP Conversion Kit Included	Line Interrupter	Flow Direction	Reducer Bushing Kit	Inlet Pressure Tap	Side Taps	Internal Wiring See Figure ①
36C84-912	24 VAC	Nat./LP	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	7
36C84-913	24 VAC	Nat./LP	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	12
36C84-921	24 VAC	Nat./LP	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	7
36C84-923	24 VAC	Nat./LP	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	Yes	No	14
36C84-926	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	No	No	No	Str. Thru	Yes	No	No	4
36C84-945	24 VAC	Nat./LP	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	8
36C94-906	24 VAC	Natural	3/4 x 3/4	Slow Open	3.5"	2.5"-5.0"	No	No	No	Str. Thru	Yes	No	No	7
36C94-907	24 VAC	Nat./LP	3/4 x 3/4	Slow Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	No	No	4

① Wiring diagrams – see pages 171-174

**NOTE:** -9XX series replaces -4XX series. Knob replaced with an ON-OFF switch.