



**36C Series**

## 36C SNAP OPEN, SINGLE FUNCTION AND STANDING PILOT GAS VALVES

A Wide Range of Replacement Valves for the Professional Installer  
**SPECIFICATIONS**

Electrical Rating .....	0.23 amps
Ambient Operating Range .....	-40 to +175°F (-40 to 79°C)
Maximum Pressure Rating .....	1/2 PSI (14.0" W.C.)
1" Pressure Drop Capacity, 3/4" x 3/4" .....	280,000 Btu/Hr
1" Pressure Drop Capacity, 1/2" x 3/4" .....	230,000 Btu/Hr
1" Pressure Drop Capacity, 1/2" x 1/2" .....	230,000 Btu/Hr
1" Pressure Drop Capacity, 1/2" x 3/8" .....	100,000 Btu/Hr
Pilot Gas Connection .....	1/4" compression fitting
Pressure Tap .....	1/8" N.P.T.

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

Model Number	Typical App.	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
36C01-405	Snap Open	24VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	1
36C01A-405	Snap Open	120VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	3
36C03-300	Standing Pilot	24VAC	Natural	1/2 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	1
36C03-333	Standing Pilot	24VAC	Natural	1/2 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	Yes	1
36C03-400	Standing Pilot	24VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	1
36C03-433	Standing Pilot	24VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	Yes	1
36C03A-310	Standing Pilot	120VAC	Natural	1/2 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	3
36C03A-410	Standing Pilot	120VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	3
36C03U-300	Standing Pilot	750mV	Natural	1/2 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	2
36C03U-333	Standing Pilot	750mV	Natural	1/2 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	Yes	2
36C03U-400	Standing Pilot	750mV	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	No	2
36C03U-433	Standing Pilot	750mV	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	Yes	Str. Thru	Yes	Yes	Yes	2
36C04U-438	Standing Pilot	750mV	Natural	3/4 x 3/4	Step Open 0.7"	0.7/3.5"	2.5"-5.0"	No	No	Yes	Str. Thru	Yes	No	No	2
36C12-310	Standing Pilot	24VAC	Natural or LP	1/2 x 3/4	Step Open Nat 0.8" LP 2.0"	Nat 3.5" LP 11.0"	Non-Adjustable	Yes	Yes	Yes	Str. Thru	Yes	No	Yes	1
36C21-411	Single Function ON/OFF	24VAC	Natural or LP	3/4 x 3/4	N/A	N/A	No Regulator	N/A	N/A	No	Str. Thru	No	No	Yes	1
36C21U-206	Single Function ON/OFF	750mV	Natural or LP	1/2 x 1/2	N/A	N/A	No Regulator	N/A	N/A	No	Str. Thru	No	No	Yes	2
36C53-418	Standing Pilot	24VAC	Natural	3/4 x 3/4	Slow Open	3.5"	2.5"-5.0"	Yes	No	Yes	Str. Thru	Yes	Yes	No	1
36C67-188	Standing Pilot	24VAC	Natural	1/2 x 3/8	Step Open	Nat 3.5" LP 11.0"	Non-Adjustable	Yes	Yes	Yes	RAL	No	No	Yes	1
36C67-189	Standing Pilot	24VAC	Natural	1/2 x 3/8	Step Open	Nat 3.5" LP 11.0"	Non-Adjustable	Yes	Yes	Yes	RAR	No	No	Yes	10
36C01A-201	Snap Open	120VAC	Natural	1/2 x 1/2	Fast Open	6.0"	4.2"-11.0"	No	No	No	Str. Thru	No	Yes	No	3
36C03-258	Standing Pilot	24VAC	Natural	1/2 x 1/2	Fast Open	3.5"	2.5"-5.0"	No	No	Yes	Str. Thru	No	Yes	No	1

① Wiring diagrams – see pages 203-206



FURNACE



**36C/36D Series**

## 36C/36D SERIES HSI, DSI PROVEN PILOT GAS VALVES

For use on Spark or Hot Surface Ignition Systems and Replaces Many O.E.M. Gas Valves

### FEATURES

- May be mounted in any position except upside down.
- Inlet screen and pilot gas filter provide maximum protection against chips and dirt.
- Gas cock knob and regulator adjustment (on some models) are on top of valve for quick setup.
- Large, easy-grip pipe boss speeds installation.

### 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.)
1" Pressure Drop Capacity, 3/4" x 3/4"	280,000 Btu/Hr
1" Pressure Drop Capacity, 1/2" x 1/2"	230,000 Btu/Hr
Agency	A.G.A. and C.G.A. design certified

### PARTS AND ACCESSORIES

See end of this section for parts and accessories

### TECHNICAL HELP

Wiring Diagrams . . . . . See pages 203-206

### UNIVERSAL ELECTRONIC IGNITION GAS VALVES One Model Fits Most Applications

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
36C68-423	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	No	No	Str. Thru	Yes	No	No	5

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
36C74-413	24 VAC	Natural	3/4 x 3/4	Step	0.9"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	Yes	Yes	No	5
36C76-406	24 VAC	Natural	3/4 x 3/4	2 Stage Elect. Open	1.0"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	Yes	No	6A
36C76-420	24 VAC	Natural	3/4 x 3/4	2 Stage Elect. Open	1.3"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	Yes	No	6B
36C76-462	24 VAC	LP	3/4 x 3/4	2 Stage Elect. Open	5.0"/11.0"	9.0"-12.0"	No	N/A	No	Str. Thru	No	No	No	6B
36C76-463	24 VAC	Natural	3/4 x 3/4	2 Stage Elect. Open	2.0"/3.5"	2.5"-5.0"	No	No (Not Conv.)	No	Str. Thru	Yes	Yes	No	6B
36D13-208	24 VAC	Natural	1/2 x 1/2	2 Stage Lo 1.1/Hi 3.5	1.1"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	No	No	9
36D13-405	24 VAC	Natural	3/4 x 3/4	2 Stage Lo 1.1/Hi 3.5	1.1"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	No	No	9
36D13-414	24 VAC	LP	3/4 x 3/4	2 Stage Lo 2.5/Hi 11.0	2.5"/11.0"	Non-Adjustable	No	N/A	No	Str. Thru	No	No	No	9

① Wiring diagrams – see pages 203-206



**36C84-412**

**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.)
1" Pressure Drop Capacity, 3/4" x 3/4" ..	280,000 Btu/Hr
1" Pressure Drop Capacity, 1/2" x 3/4" ..	230,000 Btu/Hr
Agency .....	A.G.A. and C.G.A. design certified

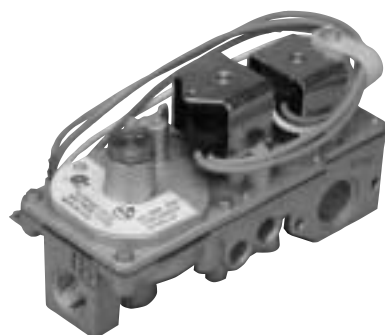
**PARTS AND ACCESSORIES** See end of this section for parts and accessories

**TECHNICAL HELP**

Wiring Diagrams ..... See pages 203-206

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
36C84-412	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	7
36C84-413	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	12
36C84-416	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	No	No	No	Str. Thru	Yes	No	No	13
36C84-421	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	7
36C84-423	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	No	No	No	Str. Thru	No	Yes	No	14
36C84-426	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
36C84-436	24 VAC	LP	3/4 x 3/4	Fast Open	11.0"	7.5"-12.0"	No	No	No	Str. Thru	Yes	No	No	4
36C84-445	24 VAC	Natural	3/4 x 3/4	Fast Open	3.5"	2.5"-5.0"	Yes	Yes	No	Str. Thru	Yes	Yes	No	8
36C87-444	24 VAC	Natural	3/4 x 3/4	Step Open 1.0	1.0"/3.5"	2.5"-5.0"	No	No	No	Str. Thru	Yes	No	No	11
36C92-304	24 VAC	Natural	1/2 x 3/4	Step Open 2.0	2.0"/3.5"	Non-adj.	No	No	No	Str. Thru	No	No	No	6A
36C94-406	24 VAC	Natural	3/4 x 3/4	Slow Open	3.5"	2.5"-5.0"		No	No	Str. Thru	Yes	No	No	7
36C94-407	24 VAC	Natural	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 203-206



**25K49-20**

**25K APPLIANCE VALVE**

Typical Applications Include Gas Heaters

**FEATURES**

- Dual solenoid with regulator and pilot filter.
- 4-8" leads with 1/4" female spade connections.
- Pilot outlet on left side viewing inlet.

**SPECIFICATIONS**

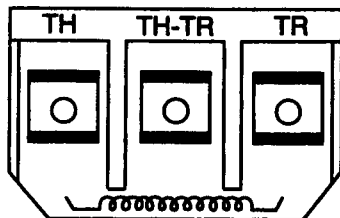
Agency ..... A.G.A., C.G.A., U.L.

Model Number	Typical Application	Electrical	Gas Type	Inlet/Outlet	Regulator Setting	Maximum Capacity
25K49-20	Wall Furnace	24 VAC, 0.5 Amps	Natural	3/8" x 3/8" NPT	3.5" W.C.	87,000 BTU

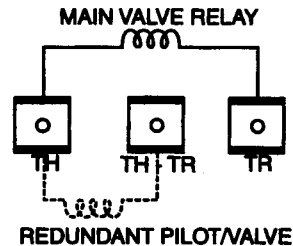


3 terminal panel

Fig. 1



Some models have screw terminals instead of spade terminals shown



Some models may not have redundant valve

Milivolt 3 Terminal Panel

Fig. 2

