



## 36G, 36J SERIES GAS VALVES

The 36G, 36J is a Combination Gas Control Valve Designed for Use with Non-Piloted Intermittent Ignition Systems. The Control is Designed to Meet Today's Maximum Capacity, Smaller Size and High Efficiency Gas Systems

### FEATURES

- Inlet and outlet screens.
- Quiet redundant.
- Built-in pressure tap.
- Quick-connect terminals (1/4").

### SPECIFICATIONS

Ambient Temperature . . . . .	-40 to 175°F
Maximum Pressure Rating . . . . .	1/2" PSI (14.0" W.C.)
Capacity (1" P.D.) . . . . .	Natural 140,000 Btu/Hr. L.P. 226,800 Btu/Hr.
Electrical Rating . . . . .	Single stage 24V, 50 / 60Hz at .3A Two stage at .43A
Swing Radius . . . . .	2.75"
Mounting . . . . .	Any position
Agency . . . . .	C.S.A. approved

### 36J Series

Valve (Stages)	Pipe Size	1" Pressure Drop Capacity		Range of Regulation			
		BTU/HR		BTU/HR		Adjustment Range (Nat. IN. W.C.)	Adjustment Range (L.P. IN. W.C.)
		Std. Gas .64 Sp. Gr. (1000 BTU/CU. FT.)	LP Gas 1.53 Sp. Gr. (2500 BTU/FT.)	Std Gas .64 Sp. Gr. (1000 BTU/CU. FT.)	LP Gas 1.53 Sp. Gr. (2500 BTU/FT.)		
Single	1/2" x 1/2" NPT	140,000 BTU/HR	226,800 BTU/HR	40,000-210,000	60,000-340,000	2.5"-5.0"	7.0"-12.0"
Two	1/2" x 1/2" NPT	140,000 BTU/HR	226,800 BTU/HR	20,000 Low-210,000 High	32,000 Low-340,000 High	1.0"-4.0" Low 2.0"-5.0" High	4.0"-10.0" Low 6.0"-12.0" High
Modulating	1/2" x 1/2" NPT	140,000 BTU/HR	226,800 BTU/HR	20,000 - 210,000	32,600 - 340,000	0.40"-4.0"	1.3"-11.5"

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



### TECHNICAL HELP

Wiring Diagrams . . . . . See page 178

Model Number	Coil Voltage	Gas Type	Pipe Size	Opening Characteristic	Regulator Setting	Regulator Adjustment Range	Convertible Nat. / LP	LP Conversion Kit Included	Flow Direction	Reducer Bushing Kit	Filter Screen	Inlet Pressure Tap	Outlet Pressure Tap	Internal Wiring See Figure ①
36G22-254	24 VAC	Natural or LP	1/2 x 1/2	Fast Opening Single Stage	3.5"	Nat. 2.5" - 5.0" L.P. 7.0" - 12.0"	Yes	No**	Str. Thru	No	Yes	Yes	Yes*	1
36J22-214	24 VAC	Natural or LP	1/2 x 1/2	Fast Opening Single Stage	3.5"	Nat. 2.5" - 5.0" L.P. 7.0" - 12.0"	Yes	Yes	Str. Thru	Yes	Yes	Yes	Yes	1
36J24-214	24 VAC	Natural or LP	1/2 x 1/2	Slow Opening Single Stage	3.5"	Nat. 2.5" - 5.0" L.P. 7.0" - 12.0"	Yes	Yes	Str. Thru	Yes	Yes	Yes	Yes	1
36J54-214	24 VAC	Natural or LP	1/2 x 1/2	Two-Stage Fast Opening	LO 1.5" HI 3.5"	Nat. 2.5" - 5.0" L.P. 6.0" - 12.0"	Yes	Yes	Str. Thru	Yes	Yes	Yes	Yes*	2
36J55-214	24 VAC	Natural or LP	1/2 x 1/2	Two-Stage Slow Opening	3.5"	Nat. 2.5" - 5.0" L.P. 6.0" - 12.0"	Yes	Yes	Str. Thru	Yes	Yes	Yes	Yes*	2
36J24-614	24 VAC	Natural or LP	1/2 x 1/2	Single Stage Slow Opening	3.5"	Nat. 2.5" - 5.0" L.P. 7.0" - 12.0"	Yes	Yes	90° Bottom Outlet	No	Yes	Yes	Yes*	2
36J55-614	24 VAC	Natural or LP	1/2 x 1/2	Two-Stage Slow Opening	3.5"	Nat. 2.5" - 5.0" L.P. 6.0" - 12.0"	Yes	Yes	90° Bottom Outlet	No	Yes	Yes	Yes*	2

\* To measure outlet pressure on valves, loosen outlet pressure tap screw one quarter turn and put manometer hose over the top of the outlet pressure tap.  
 \*\* Use F92-0659 to convert to regulated L.P. gas  
 ① Wiring diagrams – see page 178