



36J Series

36J SERIES GAS VALVES

The 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

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

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



TECHNICAL HELP

Wiring Diagrams See page 177

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 Taps	Internal Wiring See Figure ①
36J22-214*	24 VAC	Natural or LP	1/2 x 1/2	Fast Opening	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	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	2 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	2 Stage Slow 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
36J24-614*	24 VAC	Natural or LP	1/2 x 1/2	2 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	2 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.

① Wiring diagrams – see page 177