



36E36-304



36E86-302

36E REDUNDANT GAS VALVE

Compact Multifunction Valves Designed to Meet the Requirements for use with All Types of Intermittent Ignition Systems (Cycle-Pilot, Proven Pilot, Direct Spark Ignition and Hot Surface Ignition)

FEATURES

- Poppet style manual valve (capable of withstanding high inlet pressures).
- Conical inlet and outlet screens protected from pipe damage.
- Direct acting solenoid valve with high sealing force.
- Controlled gasket clinch between castings to withstand high inlet pressures.
- May be mounted horizontal, vertical and 90° from horizontal.

SPECIFICATIONS

Electrical Rating	0.54 amps
Regulator Adjustment Range	Natural gas, 2.5 to 5.0" W.C. L.P. gas, 7.5 to 12.0" W.C.
Maximum Pressure Rating	1/2 PSI (14.0" W.C.)
Ambient Operating Range	-40 to +175°F (-40 to +79°C)
Swing Radius	3 9/16"
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 Diagram See page 207

UNIVERSAL ELECTRONIC IGNITION GAS VALVES Two Models Fit Most Applications

Model Number	Coil Voltage	Inlet-Outlet Size	A.G.A. Standard Gas Capacity ①	Total Regulator Capacity	Electrical ⑤ Connection (see Fig #)	Regulator Setting	Step Opening	Gas Type	System Usage	Reducer Bushing Kit	Side Taps
36E36-304 ② ④	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	2	3.5" W.C.	Fast Open, No Step	Natural & L.P.	Proven Pilot, HSI and DSI	Yes	Yes
36E98-304 ④	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	2	3.5" W.C.	Slow Open, No Step	Natural & L.P.	Proven Pilot, HSI and DSI	Yes	Yes

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36E22-214	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	1	3.5" W.C.	Fast Open, No Step	Natural	Proven Pilot, HSI and DSI	No	No
36E24-214	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	1	3.5" W.C.	Slow Open, No Step	Natural	Proven Pilot, HSI and DSI	No	No
36E38-301 ②	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	2	3.5" W.C.	1.2" W.C.	Natural	Proven Pilot, HSI and DSI	Yes	Yes
36E38-302 ②	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	2	10.0" W.C.	2.5" W.C.	L.P.	Proven Pilot, HSI and DSI	Yes	Yes
36E52-214	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	1	3.5" W.C.	Slow Open, No Step	Natural	Proven Pilot, HSI and DSI	Yes	No
36E54-214	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	3	3.5" W.C.	③	Natural	HSI	Yes	No
36E86-302	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	5	3.5" W.C.	Fast Open, NS	Natural	Cycle-Pilot	Yes	Yes
36E93-304	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	6	3.5" W.C.	Fast Open, No Step	Natural	Proven Pilot with pressure switch	No	No
36E96-314	24 VAC, 60 Hz	1/2" x 3/4"	140,000	210,000	4	3.5" W.C.	③	Natural	HSI and DSI	Yes	No
36E36-250	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	7	3.5" W.C.	Fast Open, No Step	Natural	HSI and DSI	No	No
36E38-210	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	2	3.5" W.C.	0.9" W.C. Step	Natural	HSI and DSI	No	No
36E38-211	24 VAC, 60 Hz	1/2" x 1/2"	140,000	210,000	2	10.0" W.C.	2.5" W.C. Step	L.P.	HSI and DSI	No	No

① See page 220 for capacities of other gases

② Pilot fittings included with valves

③ Step Opening: Electrically Operated Lo Fire 1.6" W.C.

④ Universal Models

⑤ Wiring diagrams see page 207