

# CV300

## Combination Gas Valve

CV300\_MS\_EN\_06.2016  
Replaced MS2090

Dual solenoid shut-off valves with built-in pressure regulator

CSA certified

73,000 Btu/hr NAT @ 1.0" w.c. pressure drop

Range of regulation: 10,000 to 80,000 Btu/hr

Operating temp range: 32° to 175° F (Optional -40° to 175°F)

Rated inlet pressure: 1/2 psi maximum

For use with electric ignition systems (intermittent pilot or direct burner)

12 VDC, 24 VAC or 120 VAC coil

Used with Natural, Propane, or L.P. gases

Optional pressure regulated pilot gas outlet

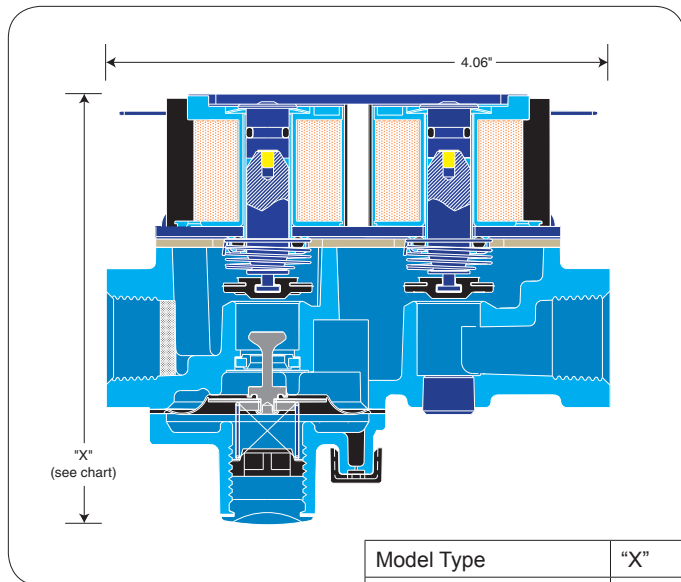
Range of regulation with optional pressure regulated pilot gas outlet: 500 to 80,000 Btu/hr

Electric switch option for gas shut-off (switch not shown)

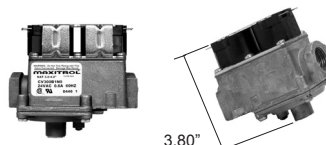
Convertible Regulator 5.0" to 10.0" w.c.

Spring ranges 3.0 to 4.0, 4.0 to 5.0, 6.0 to 10.0, 9.0 to 11.0

Inlet Screen



Model Type	"X"
Fixed Models	3.48"
LP / NAT. Gas Models	3.54"
Convertible Models	3.79"



**Note:** Dimensions are maximums and are to be used only as an aid in designing clearance for the regulator. Actual production dimensions may vary from those shown. All other dimensions are as cast ± 0.05 inch. Maxitrol Company reserves the right to change specifications without notice.

### CV300 Sizing Chart

Connection	Solenoid	Symbol	Coil Terminal/Wire Leads Configuration	Symbol	Symbol	Regulator	Symbol	Pilot Take Off	Symbol	Thread Type	Symbol	Inlet Pipe Connection	Symbol	Outlet Pipe Connection	Symbol
Terminals	12 VDC	<b>A</b>	A-B	<b>1</b>	<b>C</b>	Convertible	<b>H</b>	No Pilot Take Off	<b>0</b>	Standard	<b>-</b>	Standard		Standard	
	24 VAC	<b>B</b>	C-D	<b>2</b>				Nitrile 32°F Min.	Silicon -40°F Min.			Unregulated Pilot Take Off	<b>1</b>	Metric	<b>M</b>
	120 VAC	<b>P</b>	A-D	<b>3</b>	<b>L</b>	L.P.	<b>J</b>					1/2" NPT	<b>4</b>	1/2" NPT	<b>4</b>
Wire Leads	12 VDC	<b>D</b>	C-B	<b>4</b>	<b>N</b>	N.G.	<b>K</b>					Metric		1/2" INV FLARE	<b>F8</b>
	24 VAC	<b>E</b>			<b>F</b>	Fixed N.G.	<b>R</b>					3/8" ISO 7 PL	<b>3</b>	Metric	
	110 VAC	<b>Q</b>			<b>G</b>	Fixed L.P.	<b>P</b>					1/2" ISO 7 PL	<b>4</b>	3/8" ISO 7 PL	<b>3</b>
														1/2" ISO 7 PL	<b>4</b>

Model # **CV300**

Contact Customer Service for Availability