

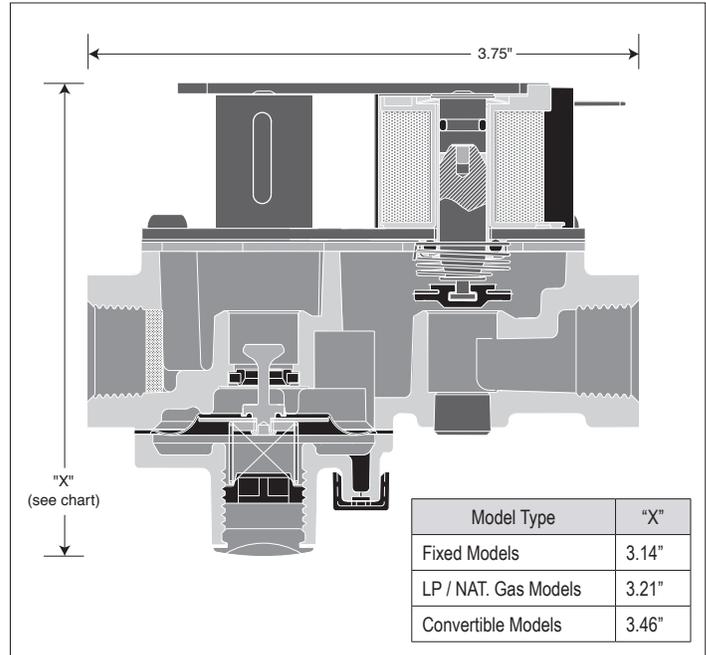
## CV100 Combination Gas Control Valve



### SPECIFICATIONS AND SIZING

#### SPECIFICATIONS

- Single solenoid shut-off valve with built-in pressure regulator
- For use on regulated pilots with electronic ignition
- CSA certified and UL recognized
- 42,000 Btu/hr NAT @ 1.0" w.c. pressure drop
- Range of regulation: 2,500 to 45,000 Btu/hr
- Operating temperature range: -40° to 175°F
- Rated inlet pressure: 1/2 psi maximum
- 12 VDC, 24 VAC or 120 VAC coil
- Suitable for natural, manufactured, mixed gases, liquefied petroleum gases and LP gas-air mixtures
- Convertible regulator: 3.5" to 10.0" w.c.
- Spring ranges: 3.0 to 4.0, 4.0 to 5.0, 9.0 to 11.0
- Optional electric switch provides gas shut-off
- Optional right side inlet
- Optional conduit cover
- Inlet screen, standard
- Outlet screen, optional



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

#### SIZING CHART

Connection	Solenoid	Symbol	Coil Terminal/ Wire Leads Configuration	Symbol	Regulator	Symbol	(Optional) Mounting Bracket	Symbol	Options	Symbol	Thread Type	Symbol	Inlet Pipe Connection	Symbol	Outlet Pipe Connection	Symbol
Terminals	12 VDC	<b>A</b>	B D (See diagram)	<b>5</b>	Convertible	<b>C</b>	No Bracket Bracket	<b>-</b> <b>1</b>	None Conduit Connection (See Note)	<b>-</b> <b>W</b>	Standard Metric	<b>-</b> <b>M</b>	1/4" NPT*	<b>2</b>	1/8" NPT	<b>1</b>
	24 VAC	<b>B</b>		<b>5</b>	L.P.	<b>L</b>		1/4" NPT* (side inlet)		<b>S2</b>		1/4" NPT*	<b>2</b>			
	110 VAC	<b>P</b>		<b>6</b>	N.G.	<b>N</b>		3/8" NPT		<b>3</b>	3/8" NPT	<b>3</b>				
Wire Leads	12 VDC	<b>C</b>	B D (See diagram)	<b>5</b>	Fixed N.G.	<b>F</b>	No Bracket Bracket	<b>-</b> <b>1</b>	None Conduit Connection (See Note)	<b>-</b> <b>W</b>	Standard Metric	<b>-</b> <b>M</b>	3/8" NPT (side inlet)	<b>S3</b>	1/4" Loxit*	<b>L4</b>
	24 VAC	<b>D</b>		<b>5</b>	Fixed L.P.	<b>G</b>		3/8" INV. Flare (side inlet)		<b>SF6</b>		3/8" INV. Flare	<b>F6</b>			
	110 VAC	<b>Q</b>		<b>6</b>												

**Note:** Option "W" Conduit Cover may be used with: CV100Q5  W-  Only.

**Model #**  
**CV100**