V4046C; V8046C Pilot Gas Valves

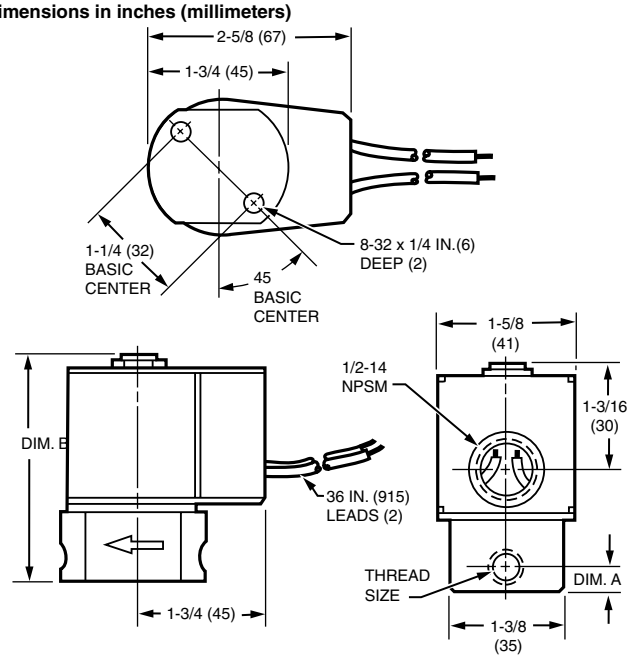


Provide on-off control of natural, LP and manufactured gases to pilot burners in industrial and commercial applications.

- Magnetically operated, normally closed.
- Provide instantaneous action when energized.
- On power failure, valve closes in one second maximum.
- Use in any position, directly in pipe line or on support bracket.
- Replace the solenoid coil without removing the valve body from the piping connections.
- Straight-through valve pattern.
- Available in line voltage or low voltage models.

Type of Fuel: Air; natural; manufactured; LP
Body Pattern: Straight-through
Valve Opening Time: 1 sec max
Valve Closing Time: 1 sec max
Mounting: Directly in pipe or on support bracket
Materials: Body – Aluminum
Power Consumption: 8 W
Operating Temperature Range: -40°F to +125°F (-40°C to +52°C)
Approvals, Underwriters Laboratories Inc.: Listed: File No. MH1639, V3, S3 - Guide No. YIOZ
Approvals, CSA: Certificate No. 158158-2500006058, Guide No. C3371-03, 83
Approvals, Factory Mutual: Approved: Report No. 17450
Pressure Ratings (psi): 10 psi
Pressure Ratings (kPa): 68.9 kPa

Dimensions in inches (millimeters)



MODEL	BODY SIZE	THREAD SIZE	DIM. A		DIM. B	
			IN	MM	IN	MM
V4046C, V8046C	SMALL	1/8-27 NPT	5/16	8	2-3/4	70
	SMALL	1/4-18 NPT	3/8	10	3	76
	LARGE	1/4-18 NPT	1/2	13	3-1/4	83
	LARGE	3/8-18 NPT	1/2	13	3-1/4	83

M16595A

Material Number	Pipe Size (inch)	Capacity (cfh)	Capacity (m^3/hr)	Voltage	Frequency	Electrical Connections	Approvals, Swiss RE
V4046C1005/U	1/8 in.	20 cfh	0.57 m^3/hr	110 Vac; 120 Vac	50 Hz; 60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	Acceptable
V4046C1021/U	1/4 in.	20 cfh	0.57 m^3/hr	110 Vac; 120 Vac	50 Hz; 60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	Acceptable
V4046C1047/U	1/4 in.	55 cfh	1.56 m^3/hr	110 Vac; 120 Vac	50 Hz; 60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	Acceptable
V4046C1054/U	3/8 in.	67 cfh	1.90 m^3/hr	110 Vac; 120 Vac	50 Hz; 60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	Acceptable
V4046C1120/U	3/8 in.	67 cfh	1.90 m^3/hr	120 Vac	60 Hz	Two 10 ft. leadwires and 1/2 in. conduit bushing	Acceptable
V8046C1006/U	1/8 in.	20 cfh	0.57 m^3/hr	24 Vac	60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	
V8046C1014/U	1/4 in.	20 cfh	0.57 m^3/hr	24 Vac	60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	
V8046C1022/U	1/4 in.	55 cfh	1.56 m^3/hr	24 Vac	60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	
V8046C1030/U	3/8 in.	67 cfh	1.90 m^3/hr	24 Vac	60 Hz	Two 36-in. leadwires and 1/2 in. conduit bushing	