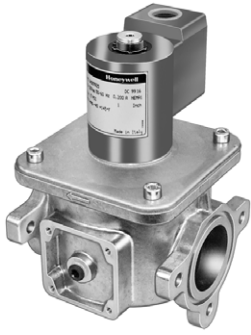


Solenoid Gas Valves

V4297A Solenoid Safety Shut-off Valve



Type of Gas: Air, natural, manufactured, mixed, and LP
Dimensions, Approximate: 9 in. high, 5 3/4 in. wide, 5 5/8 in. deep
 (229 mm high, 147 mm wide, 143 mm deep)
Valve pattern: Straight-through, non-offset
Electrical Terminations: screw terminal connections
Frequency: 50 Hz, 60 Hz
Power (Vac): 110 Vac, 120 Vac
Inlet and Outlet Pressure Tapping: 1/4 in. NPT
Mounting Type: Directly bolted to Integrated Valve Train Components
Temperature Ratings: -40 F to 130 F (-40 C to 54 C)
Pressure Ratings: 5 psi (34.5 kPa)

V4295A are normally closed and V4295S are normally open (vent) solenoid gas valve. Suitable for use on furnaces, ovens, atmospheric burners, commercial water heaters, roof-top make-up air units, power burners, and commercial/ industrial boilers.

- V4295A,S are used with 120 Vac controllers.
- Positive close off of gas flow when de-energized.
- High valve spring force allows up to 0.7 psi back pressure at valve seat.
- No inlet pressure influence at valve seat. Inlet pressure changes do not affect ability to close valve.
- Low operating noise.
- Low rush-in current.
- Upstream and downstream taps allows tapping and testing pressure points.
- For use with the Integrated Valve Train.

Valve Closing Time (sec): less than 1 sec
Valve Opening Time: less than 1 sec
Approvals:
Canadian Standards Association: Certificate No. 158158-1154280, Guide No. C3371-03, 04, 83
Factory Mutual: Straight-through, non-offset
Underwriters Laboratories, Inc: Listed: File No. MH18476, V1, S1 - Guide No. YIOZ

Accessories:
See table on page 768

Product Number	Pipe size		Capacity		Flanges	Current (max amps at rated Vac/Hz)	Integrated Valve Train Body Size	Replacement Parts
	(inch)	(mm)	cfh	m ³ /hr				
V4297A1005	3/4 in.	19 mm to 32 mm	650 cfh	18.4 m ³ /hr	Required, Order Separately	0.2 amps	Small body, small flow	BBA51315 Coil Assembly
	1 in.		700 cfh	19.8 m ³ /hr				
	1 1/4 in.		780 cfh	22.1 m ³ /hr				
V4297A1013	3/4 in.	19 mm to 51 mm	1190 cfh	33.7 m ³ /hr	Required, Order Separately	0.5 amps	Small body, large flow	BBA51318 Coil Assembly
	1 in.		1460 cfh	41.3 m ³ /hr				
	1 1/4 in.		2260 cfh	64.0 m ³ /hr				
	1 1/2 in.		2735 cfh	77.4 m ³ /hr				
	2 in.		3060 cfh	86.6 m ³ /hr				

V4297S Normally Open Vent Valve



Type of Gas: Air, natural, manufactured, mixed, and LP
Dimensions, Approximate: 9 1/2 in. high, 3 1/8 in. wide, 5 in. deep
 (241 mm high, 79 mm wide, 127 mm deep)

Valve pattern: Straight-through, non-offset
Electrical Terminations: screw terminal connections
Frequency: 50 Hz, 60 Hz
Power (Vac): 110 Vac, 120 Vac
Inlet and Outlet Pressure Tapping: 1/4 in. NPT
Mounting Type: Directly bolted to Integrated Valve Train Components
Temperature Ratings: -40 F to 145 F (-40 C to 63 C)
Pressure Ratings: 5 psi (34.5 kPa)
Valve Closing Time (sec): less than 1 sec
Valve Opening Time: less than 1 sec
Approvals:
Canadian Standards Association: Certificate No. 158158-1154280, Guide No. C3371-03, 04, 83
Factory Mutual: Straight-through, non-offset
Underwriters Laboratories, Inc: Listed: File No. MH18476, V1, S1 - Guide No. YIOZ

Accessories:
See table on page 768

Product Number	Pipe size		Capacity		Flanges	Current (max amps at rated Vac/Hz)	Integrated Valve Train Body Size	Replacement Parts
	(inch)	(mm)	cfh	m ³ /hr				
V4297S1003	1 in.	25 mm	714 cfh	20.2 m ³ /hr	Required	0.2 amps	Small body	BBA51316 Coil Assembly
V4297S1011	1 1/4 in.	32 mm	1115 cfh	31.6 m ³ /hr	Required	0.34 amps	Large body	BBA51317 Coil Assembly