

Industrial Gas Valves

V5097 Industrial Gas Valves



Safety shutoff valves used with V4055, V4062 and V9055 fluid power actuators to control gas flow to commercial and industrial burners.

- Use with natural or LP gases.
- Mount directly in gas supply line.
- Two Valve body types. Small body type for 3/4 in., 1 in., 1-1/4 in., 1-1/2 in., 2 in. pipes. Large body types for 2 in., 2-1/2 in. and 3 in. pipes.
- Seven pipe adapter sizes from 3/4 in. to 3 in. have NPT or BSP threaded connections.
- Provides three 1/4 in. upstream and two 1/4 in. downstream tap and plug. CE version provides an additional downstream tap and plug.
- Yellow SHUT indicator attached to the valve stem provides an indication of the valve closed position.
- V5097A,C,D,E Valves are for on-off service.
- V5097B Valve has a characterized guide and in combination with the V4055, V4062 and V9055 Fluid Power Actuators, provides slow-opening, HI-LO-OFF, and modulating functions, respectively.
- V5097C,E Valves have a double seal and are used with V4055D,E Fluid Power Actuators to provide proof-of-closure switch and valve seal overtravel interlock.
- V5097D,E Valves are for high pressure applications.
- Two valve body types (small and large) applicable to server pipe size.

Operating Temperature Range: -40 F to 150 F (-40 C to 66 C)

Temperature Ratings when used with V9055: -40 F to 125 F (-40 C to 52 C)

Includes: Three 1/4 in. -18 NPT upstream and two 1/4 in. -18 NPT downstream taps.

Comments: Select Proper Pipe Adapter

Approvals:

Canadian Standards Association: Certificate No. 158158-1205788, Guide No. 3371-04, 3371-84

Factory Mutual: Approved: Report No. J.I.1D9A2.AF

Industrial Risk Insurers: Acceptable (used with V4055A,B,D,E, V4062, V9055)

Underwriters Laboratories, Inc: File No. MH1639, Guide No. YIOZ

Product Number	Pipe size (in.)	Integrated Valve Train Body Size	Capacity	Maximum Operating Differential Pressure		Description
				V4055A,D; V4062	V4055B or E	
V5097A1004	3/4 in. 1 in. 1 1/4 in. 2 in.	Small body	665 cf/hr to 3620 cf/hr; 18.8 to 102.5 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off
V5097A1012	2 in. 2 1/2 in. 3 in.	Large body	3620 cf/hr to 5230 cf/hr; 102.5 to 148.0 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off
V5097B1002	3/4 in. 1 in. 1 1/4 in. 2 in.	Small body	665 cf/hr to 3620 cf/hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off with characterized guide for slow opening, HI-LO-OFF, or modulating service
V5097B1010	2 in. 2 1/2 in. 3 in.	Large body	3620 cf/hr to 5230 cf/hr; 102.5 to 148.0 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off with characterized guide for slow opening, HI-LO-OFF, or modulating service
V5097C1000	3/4 in. 1 in. 1 1/4 in. 2 in.	Small body	665 cf/hr to 3620 cf/hr; 18.8 to 102.5 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off with Valve Seal Overtravel
V5097C1018	2 in. 2 1/2 in. 3 in.	Large body	3620 cf/hr to 5230 cf/hr; 102.5 to 148.0 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off with Valve Seal Overtravel
V5097D1008	3/4 in. 1 in. 1 1/4 in. 2 in.	Small body	665 cf/hr to 3620 cf/hr; 18.8 to 102.5 m ³ /hr	5 psi (340 mbar)	25 psi (1.6 bar)	On-off safety shut-off for high pressure applications
V5097D1016	2 in. 2 1/2 in. 3 in.	Large body	3620 cf/hr to 5230 cf/hr; 102.5 to 148.0 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off for high pressure applications
V5097E1005	3/4 in. 1 in. 1 1/4 in. 2 in.	Small body	665 cf/hr to 3620 cf/hr; 18.8 to 102.5 m ³ /hr	5 psi (340 mbar)	25 psi (1.6 bar)	On-off safety shut-off for high pressure applications, with Valve Seal Overtravel
V5097E1013	2 in. 2 1/2 in. 3 in.	Large body	3620 cf/hr to 5230 cf/hr; 102.5 to 148.0 m ³ /hr	5 psi (340 mbar)	15 psi (1 bar)	On-off safety shut-off for high pressure applications, with Valve Seal Overtravel