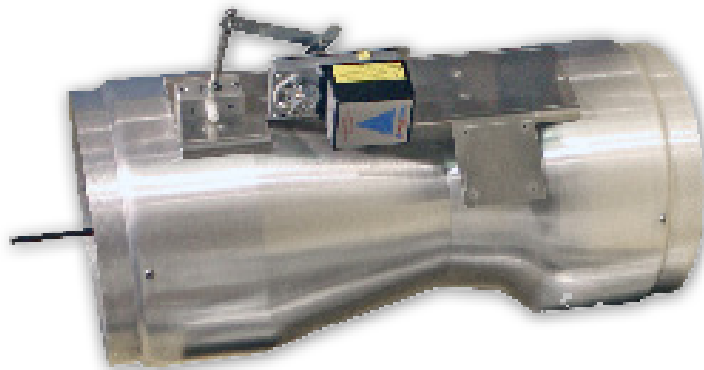


Low Pressure Partially Closed Venturi Valve

Data Sheet



Low Pressure Partially Closed Venturi Valve with Actuator

Constructed primarily with heavy gauge aluminum, Triatek's Low Pressure Partially Closed Venturi Valves feature a blend of stainless steel and Teflon components to extend valve life while keeping energy costs to a minimum.

These valves are pressure independent and maintain a constant CFM at a specific actuator position over a range of 0.3" to 3" wc* with accuracy of +/- 5%. They do not require long straight runs for proper operation.

Single valve flow rates range from 35 - 1400 CFM depending on the valve size.

**Vertical "up" Low Pressure Venturi Valves range 0.4" to 3" wc.*

Low Pressure Partially Closed Venturi Valves can be mounted vertically or horizontally and arrive on-site calibrated and ready for installation.

FEATURES INCLUDE

- Constant flow control
- Low pressure minimizes energy usage
- Heresite and Kynar coating options available for corrosive environments
- 8", 10", 12", and 14" diameter models
- Factory calibrated
- Horizontal or vertical installation

Low Pressure Partially Closed Venturi Valve

Data Sheet

Low Pressure Partially Closed Venturi Valve Construction													
Cone								Aluminum 18 gauge					
Cone Central Shaft								Stainless Steel 316					
Casing								Aluminum 14 gauge					
Cone Central Shaft Bearings								Teflon					
Control Spring, Cross Supports, Links								Stainless Steel					
Individual Valves													
Unit Size	Inside Diameter		Outside Diameter		Length		Clearance Height		Min. Flow		Max. Flow		
	in.	mm	in.	mm	in.	mm	in.	mm	cfm	L/s	cfm	L/s	
8"	7.75	197	7.88	200	23.00	584	14	356	35	17	500	236	
10"	9.74	247	9.87	251	26.00	660	16	406	50	24	550	260	
12"	11.68	297	11.80	300	26.80	681	18	457	90	42	1000	472	
14"	13.62	346	13.75	349	29.87	759	22	559	175	83	1400	661	
Ganged Valves (Valves can be ganged together in any combination up to 6 valves.)													
Unit Size & Number	Length		Width		Collar Height		Clearance Height		Min. Flow		Max Flow		
	in.	mm	in.	mm	in.	mm	in.	mm	cfm	L/s	cfm	L/s	
10"	2	30.00	762	22.63	575	11.44	291	17	432	100	47	1100	519
	3	30.00	762	33.75	857	11.44	291	17	432	150	71	1650	779
	4	30.00	762	22.50	572	22.88	581	34	864	200	94	2200	1038
	6	30.00	762	33.75	857	22.88	581	34	864	300	142	3300	1557
12"	2	30.80	782	26.75	679	13.50	343	19	483	180	85	2000	944
	3	30.80	782	40.00	1016	13.50	343	19	483	270	127	3000	1416
	4	30.80	782	26.75	679	27.00	686	38	965	360	170	4000	1888
	6	30.80	782	40.00	1016	27.00	686	38	965	540	255	6000	2832
14"	2	33.87	860	32.15	817	16.00	406	24	610	350	165	2800	1321
	3	33.87	860	48.30	1227	16.00	406	24	610	525	248	4200	1982
	4	33.87	860	32.15	817	32.00	813	48	1219	700	330	5600	2643

Product specifications are subject to change without notice. Triatek is a registered trademark of Triatek LLC. 12142012

Part Number Guide



# of Valves	Diameter	Shell Coating	Thermal Insulation	Actuator	Type	Coupling	Orientation	Pressure Range
0 = 1 Valve	8 = 8"	A = Aluminum	N = No Insulation	FA = Elec., Fast Acting	PC = Partially Closed	N = No Coupling*	H = Horizontal*	L = Low
2 = 2 Valves	10 = 10"	H = Aluminum/Heresite	I = Insulated	CV = No Actuator		F = Flanged†	V = Vertical	
3 = 3 Valves	12 = 12"	K = Aluminum/Kynar		S = Special Order Actuator		D = Duct Band Clamp		
4 = 4 Valves	14 = 14"							

* Denotes valve defaults if not specified otherwise.

† Contact Triatek for information on ganging flanged valves.

