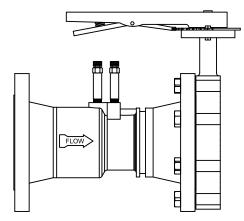


## Combination Butterfly/Venturi with Flange



PRODUCT DESCRIPTION: The CBVF is a combination butterfly valve and flanged style venturi. The carbon steel venturi connects to standard ANSI Class 150 pound flanges, and is combined with a lug type butterfly valve for throttling. The cast iron butterfly valve has a combination infinite/10 position memory stop plate, a one piece disc/shaft, a triple shaft bearing, an aluminum-bronze disc for sizes 2½" - 8", a nickel plated disc for the 10" and 12" sizes, and an EPDM standard liner. The CBVF comes standard with two pressure/temperature ports.

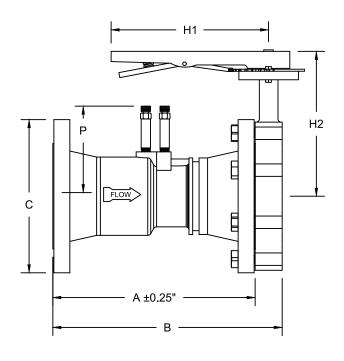
Nominal Line	Model	Lower Flow Range	Upper Flow Range (GPM)	Flow Factor (FF)	Weight (Lbs)	STANDARD MATERIAL SPECIFICATIONS			
Size	No.	(GPM)				Venturi	Steel Casting, Carbon ASTM A216		
2½"	CBVF250L	30	100	147	35		Grade WCB Forged Carbon Steel ASTM A105 Nodular Cast Iron ASTM A536 60-4-18 EPDM Rubber Aluminum-Bronze Sand Casting,		
	CBVF250H	40	220	319	35	Flange Butterfly Valve			
3"	CBVF300L	30	160	227	43	Seat			
	CBVF300H	80	400	578	41	Disc (2½ - 8")			
4"	CBVF400L	80	430	611	60	Disc (10 & 12")	ASTM B148 C95800 Ductile Iron		
	CBVF400H	130	720	1029	56	Shaft	Stainless Steel AISI 410 EPDM Rubber Copper ASTM B45 PTFE Nodular Cast Iron ASTM A536 60-4-18		
5"	CBVF500	160	880	1267	76	O-Ring			
6"	CBVF600	200	1100	1551	101	Bearing Bearing Bush			
8"	CBVF800	520	2000	2824	172	Hand Lever			
10"	CBVF1000	580	2950	4164	281	PT PT Core	Brass ASTM B455-05 EPDM Dual Durometer Core		
12"	CBVF1200	1250	6700	9670	422	Pricore			
C	ONNECTION	2.	Raised Face - Lug Butter	CALCULATIONS: D.P. = $(GPM * 17.3 / FF)^2$ $GPM = \sqrt{D.P}. * FF / 17.3$					

Specification information is provided to assist and is given without obligation or warranty. The Company reserves the right to make changes in design, materials, and/or specifications without notice or liability.

## PRODUCT SPECIFICATIONS:

- Butterfly valve is rated at 200 PSIG and is suitable for dead-end service
- Maximum pressure loss 6% of differential pressure
- The carbon steel Venturi accuracy rating: ±1% Between 10" w.c. and 70" w.c. based on Coefficient of Discharge
   ±3% Between 5" w.c. and 150" w.c.





SIZE	Α	В	С	H1	H2	Р
2½" L & H	10.96	12.77	7.00	10.25	8.01	4.20
3" L & H	11.28	13.09	7.50	10.25	8.38	4.37
4" L & H	12.47	14.53	9.00	10.25	9.13	4.85
5"	13.49	15.68	10.00	10.25	9.63	5.50
6"	14.98	17.17	11.00	10.25	10.13	6.15
8"	16.85	19.23	13.50	*	*	7.11
10"	20.57	23.26	16.00	*	*	7.94
12"	26.10	29.20	19.00	*	*	9.63

<sup>\*</sup> Denotes a gear operated valve.

Note: All dimensions and materials are subject to minor variations. Consult with factory for confirmation of dimensions and material specifications at the time of order.