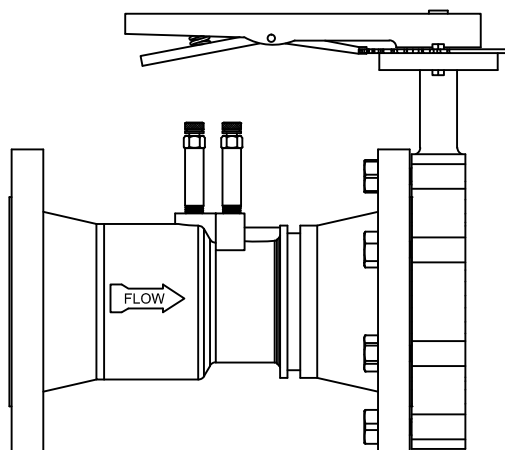




US Industrial Sourcing, L.L.C.

SPECIFICATIONS

Combination Butterfly/Venturi with Flange CBVF Series



PRODUCT DESCRIPTION: The USIS 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 Size	Model #	Lower Flow Range (GPM)	Upper Flow Range (GPM)	Flow Factor (FF)	Weight	STANDARD MATERIAL SPECIFICATIONS	
2 1/2"	CBVF250L	20	50	147	35	Venturi Flange Butterfly Valve Seat Disc (2½ - 8") Disc (10 & 12") Shaft O-Ring Bearing Bearing Bush Hand Lever	Steel Casting, Carbon ASTM A216 Grade WCB
	CBVF250H	100	220	319	35		Forged Carbon Steel ASTM A105
3"	CBVF300L	30	80	227	43		Nodular Cast Iron ASTM A536 60-4-18
	CBVF300H	168	420	578	41		EPDM Rubber
4"	CBVF400L	80	150	611	60		Aluminum-Bronze Sand Casting, ASTM B148 C95800
	CBVF400H	430	600	1029	56		Nickel Plated Aluminum-Bronze Sand Casting, ASTM B148 C95800
5"	CBVF500	160	1250	1267	76		Stainless Steel AISI 410
6"	CBVF600	200	1500	1551	101		EPDM Rubber
8"	CBVF800	450	2800	2824	172		Copper ASTM B45
10"	CBVF1000	600	4150	4164	281		PTFE
12"	CBVF1200	950	9700	9670	422		Nodular Cast Iron ASTM A536 60-4-18
		CONNECTIONS:		Inlet - Raised-Face Flange Outlet - Lug Butterfly Valve			
		CALCULATIONS:		D.P. = (GPM*17.3/FF)² GPM = √FF/17.3*(D.P.)			

PRODUCT SPECIFICATIONS:

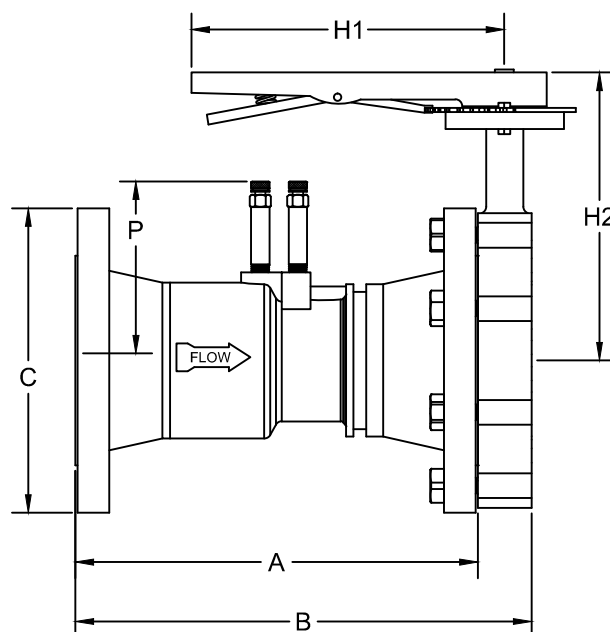
- Butterfly valve is rated at 150 PSIG and is suitable for dead-end service
- Maximum pressure loss 6% of differential pressure
- The carbon steel Venturi accuracy rating: ±1% Between 10" w.c. and 70" w.c. based on Coefficient of Discharge
±3% Between 5" w.c. and 150" w.c.



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DIMENSIONS

Combination Butterfly/Venturi with Flange CBVF Series



SIZE	A	B	C	H1	H2	P
2 1/2" L & H	10.6	12.4	7.0	10.5	8.1	5.3
3" L & H	10.9	12.7	7.5	10.5	8.2	5.5
4" L & H	12.2	14.2	9.0	10.5	9.0	6.0
5"	13.2	15.3	10.0	10.5	9.4	6.6
6"	14.2	16.4	11.0	10.5	10.2	7.2
8"	16.6	19.0	13.5	*	*	8.4
10"	20.3	22.9	16.0	*	*	8.5
12"	26.0	29.0	19.0	*	*	12.4

* 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.*