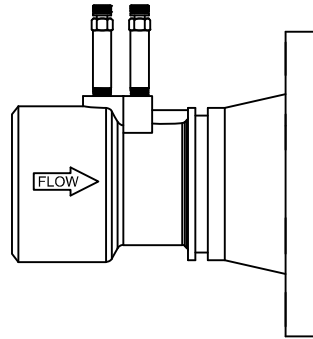




## SWVF Series Specifications

### Steel Weld End Venturi with Flange



**PRODUCT DESCRIPTION:** The SWVF is a weld end by flange end style steel venturi. The carbon steel venturi connects to a standard ANSI Class 150 pound flange. The venturi is designed for highly accurate flow measurement with low pressure loss. High and low flow ranges are available in the 2½", 3", and 4" sizes. The SWVF comes standard with two pressure/temperature ports.

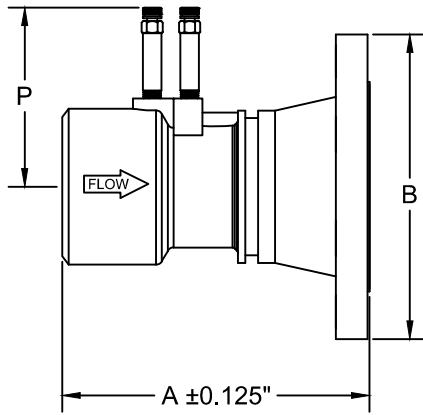
Nominal Line Size	Model #	Lower Flow Range (GPM)	Upper Flow Range (GPM)	Flow Factor (FF)	Weight	Inlet	Outlet
2½"	SWVF250L	30	100	147	14	Weld End	Flange
	SWVF250H	40	220	319	14	Weld End	Flange
3"	SWVF300L	30	160	227	19	Weld End	Flange
	SWVF300H	80	400	578	17	Weld End	Flange
4"	SWVF400L	80	430	611	27	Weld End	Flange
	SWVF400H	130	720	1029	23	Weld End	Flange
5"	SWVF500	160	880	1267	34	Weld End	Flange
6"	SWVF600	200	1100	1551	45	Weld End	Flange
8"	SWVF800	520	2000	2824	75	Weld End	Flange
10"	SWVF1000	580	2950	4164	141	Weld End	Flange
12"	SWVF1200	1250	6700	9670	220	Weld End	Flange
STANDARD MATERIAL SPECIFICATIONS				CALCULATIONS			
Venturi Flange	Steel Casting, Carbon ASTM A216 Grade WCB Forged Carbon Steel ASTM A105			$D.P. = (GPM * 17.3 / FF)^2$ $GPM = \sqrt{D.P.} * FF / 17.3$			
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:**

- Raised-face flange aids in tight coupling with gaskets to provide maximum resistance to leakage
- 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.



SWVF Series Dimensions  
Steel Weld End Venturi with Flange



SIZE	A	B	P
2½" L & H	8.1	7.0	5.3
3" L & H	8.4	7.5	5.5
4" L & H	9.4	9.0	6.0
5"	9.9	10.0	6.6
6"	11.4	11.0	7.2
8"	12.8	13.5	8.4
10"	16.6	16.0	8.5
12"	21.8	19.0	12.4

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