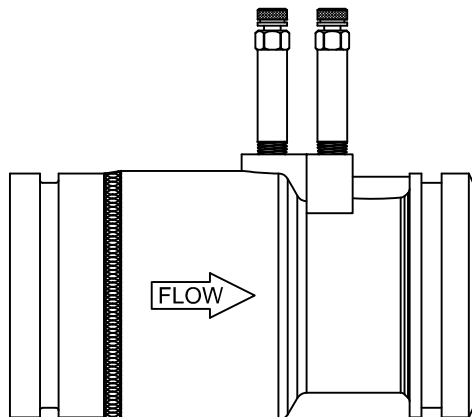




# US Industrial Sourcing, L.L.C.

## SPECIFICATIONS

### Steel Grooved End Venturi SGV Series

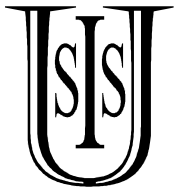


**PRODUCT DESCRIPTION:** The USIS SGV is a steel Venturi with grooved ends that is designed for highly accurate flow measurement with low pressure loss. High and low flow ranges are available in the 2½", 3", and 4" sizes. The SGV comes standard with two pressure/temperature ports.

Nominal Line Size	Model #	Weight (lbs)	Lower Flow Range (GPM)	Upper Flow Range (GPM)	Flow Factor (FF)	Connection
2 ½"	SGV250L	5	20	140	47	Grooved
	SGV250H	5	60	320	319	
3"	SGV300L	9	30	220	227	Grooved
	SGV300H	7	80	530	578	
4"	SGV400L	13	80	600	611	Grooved
	SGV400H	9	140	1000	1029	
5"	SGV500	17	160	1250	1267	Grooved
6"	SGV600	23	200	1500	1551	Grooved
8"	SGV800	40	450	2800	2824	Grooved
10"	SGV1000	98	600	4150	4164	Grooved
12"	SGV1200	155	950	9700	9670	Grooved
<b>STANDARD MATERIAL</b> Venturi - Steel Casting, Carbon ASTM A216 Grade WCB Grooved End Adapter - ASTM Schedule 40				<b>CALCULATIONS:</b> $D.P. = (GPM \cdot 17.3 / FF)^2$ $GPM = \sqrt{FF \cdot 17.3 \cdot (D.P.)}$		

#### PRODUCT SPECIFICATIONS:

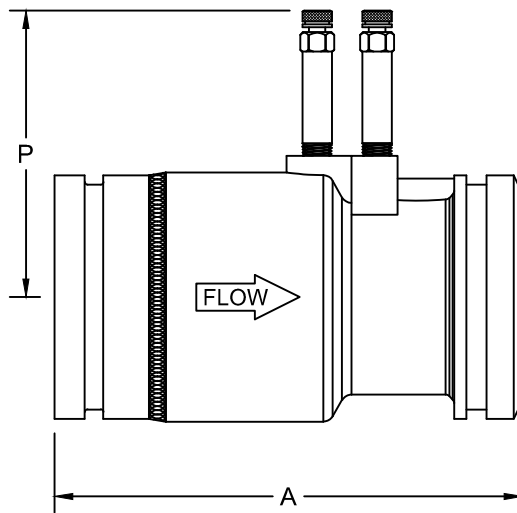
- Maximum pressure loss 6% of differential pressure
- The carbon steel Venturi accuracy rating: ±1% Between 10" w.c. and 70" w.c. based on Coefficient of Discharge  
±3% Between 5" w.c. and 150" w.c.



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## DIMENSIONS

### Steel Venturi - Grooved End SGV Series



SIZE	A	P
2 1/2" L & H	7.2	7.0
3" L & H	7.5	7.5
4" L & H	8.2	9.0
5"	8.2	10.0
6"	9.2	11.0
8"	11.6	13.5
10"	16.4	16.0
12"	22.0	19.0

*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.*