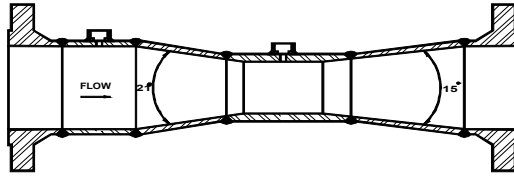
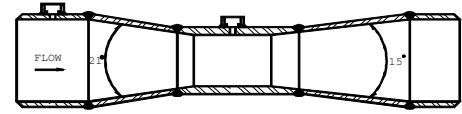


IMPERIAL FLANGE & FITTING

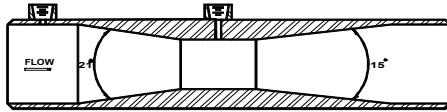
CLASSICAL VENTURI TUBES



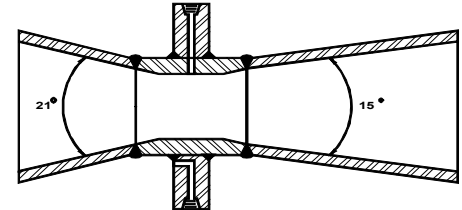
FLANGED CLASSICAL VENTURI



WELD IN CLASSICAL VENTURI



CLASSICAL BAR VENTURI

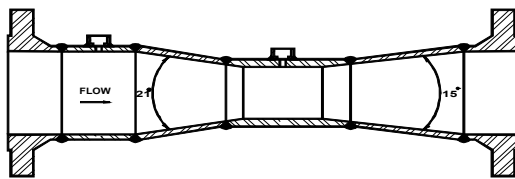


INSERT CLASSICAL VENTURI

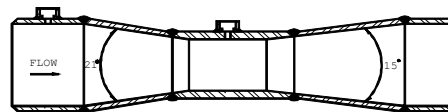
PIPE SIZE	PIPE INSIDE DIAMETER	BETA RATIO	THROAT DIAMETER	ESTIMATED VENTURI LENGTH (INCHES)	RECOMMENDED UPSTREAM PIPE LENGTH (INCHES)	RECOMMENDED DOWNSTREAM PIPE LENGTH (INCHES)	STANDARD PRESSURE TAP	(12) POINT WEIGHT CALIBRATED ACCURACY	UNCALIBRATED ACCURACY
	NOTE #1			NOTE #2	NOTE #3				
2	2.067	.50 .60 .75	1.034 +/- .0005 1.240 +/- .0006 1.550 +/- .0007	14-15/16 13-13/16 12-1/16	12-1/2 14-1/2 20-3/4	9-1/2 9-1/2 9-1/2	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
2-1/2	2.469	.50 .60 .75	1.235 +/- .0006 1.481 +/- .0007 1.851 +/- .0009	17-3/8 16 13-15/16	15.0 17-1/2 24-3/4	11-1/4 11-1/4 11-1/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
3	3.068	.50 .60 .75	1.534 +/- .0007 1.841 +/- .0009 2.301 +/- .001	20-5/16 18-5/8 16-1/8	18-1/2 21-1/2 30-3/4	14 14 14	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
4	4.026	.50 .60 .75	2.013 +/- .001 2.415 +/- .0012 3.019 +/- .0015	25-1/4 23 19-3/4	24-1/4 28-1/4 40-1/2	18-1/4 18-1/4 18-1/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
6	6.065	.50 .60 .75	3.032 +/- .0015 3.639 +/- .0017 4.548 +/- .0022	36-1/4 31-15/16 27-15/16	36-1/2 42-1/2 60-3/4	27-1/2 27-1/2 27-1/2	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
8	7.981	.50 .60 .75	3.990 +/- .0018 4.788 +/- .0023 5.985 +/- .0028	46-3/8 41-15/16 35-3/8	48.0 56.0 80.0	36.0 36.0 36.0	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
10	10.020	.50 .60 .75	5.010 +/- .0025 6.012 +/- .003 7.515 +/- .0037	56 50-1/2 42-1/4	60-1/4 70-1/4 100-1/4	45-1/4 45-1/4 45-1/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
12	12.000	.50 .60 .75	6.000 +/- .003 7.200 +/- .0036 9.000 +/- .0045	66-7/16 59-13/16 49-15/16	72.0 84.0 120.0	54.0 54.0 54.0	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
14	13.250	.50 .60 .75	6.625 +/- .0033 7.950 +/- .0039 9.937 +/- .0049	73-3/8 66-1/16 55-3/16	79-1/2 92-3/4 132-1/2	59-3/4 59-3/4 59-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%

IMPERIAL FLANGE & FITTING

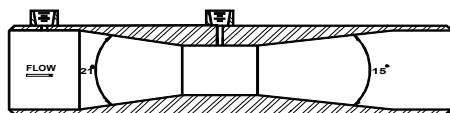
CLASSICAL VENTURI TUBES



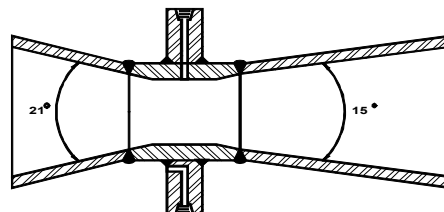
FLANGED CLASSICAL VENTURI



WELD IN CLASSICAL VENTURI



CLASSICAL BAR VENTURI



INSERT CLASSICAL VENTURI

PIPE SIZE	PIPE INSIDE DIAMETER	BETA RATIO	THROAT DIAMETER	ESTIMATED VENTURI LENGTH (INCHES)	RECOMMENDED UPSTREAM PIPE LENGTH (INCHES)	RECOMMENDED DOWNSTREAM PIPE LENGTH (INCHES)	STANDARD PRESSURE TAP	(12) POINT WEIGHT CALIBRATION ACCURACY	UNCALIBRATED ACCURACY
	NOTE #1			NOTE #2	NOTE #3				
16	15.250	.50	7.625 \pm .0033	82-7/8	91-1/2	68-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	9.150 \pm .0045	74-1/2	106-3/4	68-3/4		1/4 OF 1%	3/4 OF 1%
		.75	11.437 \pm .0057	61-7/8	152-1/2	68-3/4		1/4 OF 1%	3/4 OF 1%
18	17.250	.50	8.625 \pm .0043	93-3/8	103-1/2	77-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	10.350 \pm .0051	83-7/8	120-3/4	77-3/4		1/4 OF 1%	3/4 OF 1%
		.75	12.937 \pm .0064	69-5/8	172-1/2	77-3/4		1/4 OF 1%	3/4 OF 1%
20	19.250	.50	9.625 \pm .0048	103-1/4	115-1/2	86-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	11.550 \pm .0057	92-5/8	134-3/4	86-3/4		1/4 OF 1%	3/4 OF 1%
		.75	14.437 \pm .0072	76-3/4	192-1/2	86-3/4		1/4 OF 1%	3/4 OF 1%
24	23.250	.50	11.625 \pm .0058	122-13/16	139-1/2	104-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	13.950 \pm .0069	110-1/6	162-3/4	104-3/4		1/4 OF 1%	3/4 OF 1%
		.75	17.437 \pm .0087	90-7/8	232-1/2	104-3/4		1/4 OF 1%	3/4 OF 1%
30	29.250	.50	14.625 \pm .0073	150-1/16	175-1/2	131-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	17.550 \pm .0087	134	204-3/4	131-3/4		1/4 OF 1%	3/4 OF 1%
		.75	21.937 \pm .011	109-7/8	292-1/2	131-3/4		1/4 OF 1%	3/4 OF 1%
36	35.250	.50	17.625 \pm .0088	180-1/16	211-1/2	158-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	21.150 \pm .010	160-3/4	246-3/4	158-3/4		1/4 OF 1%	3/4 OF 1%
		.75	26.437 \pm .013	131-5/8	352-1/2	158-3/4		1/4 OF 1%	3/4 OF 1%
42	41.250	.50	20.625 \pm .010	209-3/4	247-1/2	185-3/4	(2) 1/2" FNPT	1/4 OF 1%	3/4 OF 1%
		.60	24.750 \pm .012	187-1/8	288-3/4	185-3/4		1/4 OF 1%	3/4 OF 1%
		.75	30.937 \pm .015	153-1/8	412-1/2	185-3/4		1/4 OF 1%	3/4 OF 1%

NOTE #1: Other pipe schedules and beta ratios are standardly available.

NOTE #2: Estimated lengths are based ASME 150# flanged short form venturis.

NOTE #3: Recommended pipe lengths are based on ASME Fluid Metering 6th. Edition Fig. II-II-I

MATERIALS: Carbon Steel, Stainless Steel, Chromoly, Monel, Hastelloy, PVC, Fiberglass, Teflon, Cast Iron

STYLES: Short Form (15°) Recovery Cone

Long Form (7°) Recovery Cone

Fabrication Codes: ASME B31.1

ASME B31.3

Other material available

Calculations available using equations

ASME MFC-3M

ISO 5167

Complete Meter Tubes Available