



Liquid Sizing Chart

Nominal	Nominal Flow Range				Meter Factor	APPROX.
Meter	U.S. Gallons per Minute				Pulses/U.S.	Meter WT. *
Size	Min.	Min.	Nominal	Extended	"K"	LBS/Kg
	Repeatable	Linear	Max.	Min.		
1/4	0.25	0.5	2.5	3	15000	2/1
3/8	0.35	0.75	5	7.5	6000	2/1
1/2	0.6	1.25	9.5	12	3160	2/1
5/8	0.9	1.75	16	18	1875	2/1
3/4	1.75	2.5	29	35	1035	4/2
1	3	4	60	75	500	5/2.5
1 1/4	4	6	93	115	322	7/3
1 1/2	6	8	130	175	230	8/3.5
2	12	15	225	275	133	13/6
2 1/2	15	25	400	500	75	18/8
3	30	40	650	800	46.1	19/8.5
4	50	75	1250	1500	20.7	36/6
5	100	140	2000	2500	9.0	47/21
6	125	200	2900	3600	5.6	58/26
8	280	330	5200	6400	2.4	119/54
10	550	650	8000	9800	5.95	226/103
12	800	900	12000	15000	5.95	345/157

*Weight is for flanged meters.

- Flow ranges from 0.25 to 12,000 US GPM
- Digital output signal
- +0.5% linearity
- +0.25% premium linearity (over a specified range)
- +0.05% repeatability
- +0.02% premium repeatability (over a specified range)
- Temperature range -450° to +450°F standard, +1000°F available
- High pressure applications
- Wide choice of bearings including carbide for compatibility
- Interfaces with manual, semi-automated, or completely automated systems
- Stainless steel construction standard (300 and 400 series stainless)
- Standard or custom design
- Variety of end fitting choices
- Rugged compact design
- Digital electrical signal output, 30 mV minimum sine wave peak to peak

Meter size is based on nominal inside diameter of pipe. Special flanges can usually be provided to specification.

For hazardous areas, pick up coils with explosion proof housings can be provided.

All Flowmeters 1/2" and smaller will be provided with 1/2" end fittings unless otherwise specified.

Meter Model Numbering System

Bearing Type		Rotor Type		Endfitting Type		Material		Options	
Type	Use	Type	Use	Type	Use	Type	Use	Type	Use
Cryo Ball	CB	304 Nickel Liquid	NL	NPT	A	304SS	4	Hi-Temp	HT
Metal Ball	MB	17-4 PH-SS Liquid	PHL	FNPT*	FA	304L	4L	Mod.Carr	RF
Teflon Sleeve	TS	17-4 PH-SS 15°	PH15	AN Flare	B	316SS	6	Mnt. Boss	X
Graphitar Sleeve	GS	17-4 PH-SS 12°	PH12	150C	C	316LSS	6L		
Carbide Sleeve	CS	17-4 PH-SS 7°	PH7	150S	D				
Fluorisint Sleeve	FS			300C	E				
				300S	F				
				600C	J				
				600S	K				
				High Pressure*	H				
				Tube Fitting*	I				

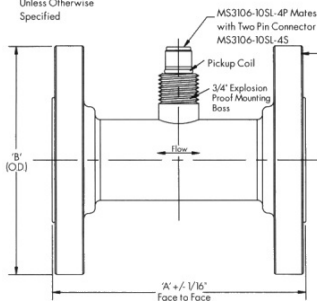
*Overall lengths vary, contact us.

End Flanged (1/2"-12")

Line Size	150# ASA		300# ASA		400# ASA		600# ASA		900# ASA		1500# ASA		2500# ASA	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B
1/4"-1/2"	5	3 1/2	5	3 3/4	5	3 3/4	5	3 3/4	7	4 3/4	7	4 3/4	7	5 1/4
5/8	5 1/2	3 1/2	5 1/2	3 3/4	5 1/2	3 3/4	5 1/2	3 3/4	7	4 3/4	7	4 3/4	7	5 1/4
3/4	5 1/2	3 7/8	5 1/2	4 5/8	5 1/2	4 5/8	5 1/2	4 5/8	7	5 1/8	7	5 1/8	7	5 1/2
1	5 1/2	4 1/4	5 1/2	4 7/8	5 1/2	4 7/8	5 1/2	4 7/8	8	5 7/8	8	5 7/8	8	6 1/4
1 1/4	6	4 5/8	6	5 1/4	6	5 1/4	6	5 1/4	8	6 1/4	8	6 1/4	8	7 1/4
1 1/2	6	5	6	6 1/8	6	6 1/8	6	6 1/8	9	7	9	7	9	8
2	6 1/2	6	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	6 1/2	9	7	9	7	9	8
2 1/2	7	7	7	7 1/2	7	7 1/2	7	7 1/2	10	9 5/8	10	9 5/8	10	10 1/2
3	10	7 1/2	10	8 1/4	10	8 1/4	10	8 1/4	10	9 1/2	10	10 1/2	11	12
3 1/2	12	8 1/2	12	9	12	9	12	9	-	-	-	-	-	-
4	12	9	12	10	12	10	12	10 3/4	12	11 1/2	12	12 1/4	12	14
5	14	10	14	11	14	11	14	13	14	13 3/4	14	15 1/2	16	19
6	14	11	14	12 1/2	14	12 1/2	14	14	14	15	14	15 1/2	16	19
8	16	13 1/2	16	15	16	15	16	16 1/2	16	18 1/2	16	19	18	21 3/4
10	20	16	20	17 1/2	20	17 1/2	20	20	20	21 1/2	20	23	22	26 1/2
12	24	19	24	20 1/2	24	20 1/2	24	22	24	24	24	26 1/2	24	30

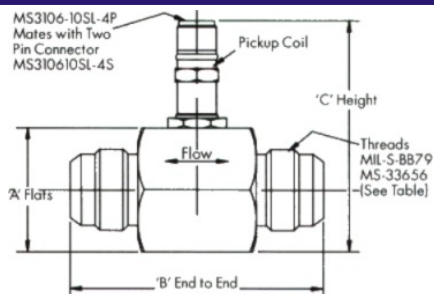
Sizes 1/2" - 12"

Stainless Steel Unless Otherwise Specified



*All dimensions in inches.

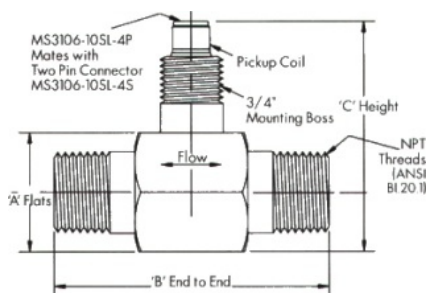
MS Flared Tube (sizes 1/8"-2")



Size	DIMENSIONS (INCHES)			END CONNECTIONS	APPROX. WEIGHT (OZ.)
	A	B	C		
1/8-1/2	11/8	29/16	3	3/4-16UNJF-3A	6
5/8	11/8	23/4	3	7/8-14UNJF-3A	12
3/4	15/8	31/4	3 1/2	11/16-12UNJ-3A	12
1	15/8	31/2	4	15/16-12UNJ-3A	22
1 1/4	2	37/8	4 3/8	15/8-12NJ-3A	28
1 1/2	2 1/8	43/8	4 5/8	17/8-NJ-3A	37
2	2 3/4	4 3/4	5 3/8	2 1/2-12UNJ-3A	48

*All dimensions in inches.

MNPT Flared Tube (Sizes 1/8"-3")



Size	DIMENSIONS (INCHES)			END CONNECTIONS	APPROX. WEIGHT (OZ.)
	A	B	C		
1/8-1/2	11/8	3	3	1/2	6
5/8	11/8	3	3	1/2	12
3/4	15/8	3 1/4	3 1/2	3/4	12
1	15/8	3 1/2	4	1	22
1 1/4	2	37/8	4 3/8	1 1/4	28
1 1/2	2 1/8	43/8	4 5/8	1 1/2	37
2	2 3/4	4 3/4	5 3/8	2	48
2 1/2	3 1/4	6 1/16	5 3/8	2 1/2	55
3	3 1/2	10	5 3/8	3	160

*All dimensions in inches.

