



TacticalFlowMeter.com by Take 5, Inc.
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MAG Flow Meter Product Line Overview

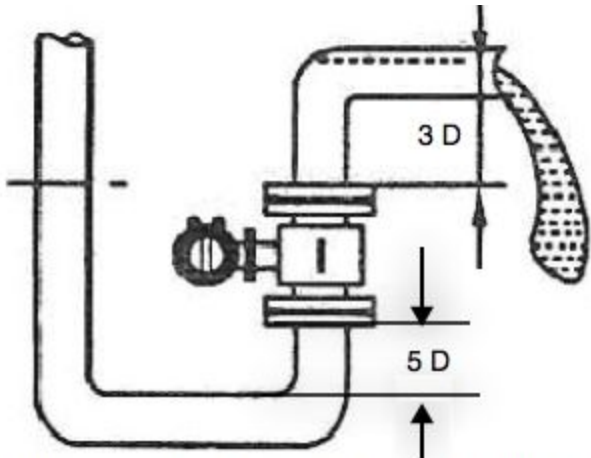
Note: The standard offering is the SS304 Flange Type with 150# ANSI Flanges and PTFE liner.

MAG Flow Meter								
Categories	Small size remote type	Small size integrated type	Large size remote type	SS304 Flange type	SS304 Sanitary type	SS304 Insertion type	Battery powered	Battery powered with GPRS
Pressure	230 PSIG, 1.6 Mpa typical, others available				230 PSIG, 1.6 Mpa	230 PSIG, 1.6 Mpa	230 PSIG, 1.6 Mpa	
Size	1/8" to 10 feet in diameter				1/2" to 4" Sanitary	8" and above	1/2" to 12" Flange sizes	
Flange	ANSI B16.6 150# Standard, others available							
Power	24 VDC or 120 VAC						Battery	
Outputs	4-20 mA / pulse (frequency)							
Communication	RS-485							
Lining	PTFE standard with the following options Rubber, PFA, F46, or Polyurethane					Nylon (Probe)	PTFE, or Rubber, PFA, F46, or Polyurethane	
Fluid	For conductive liquids with conductivity greater than 5 µs/cm For reference note tap water has conductivity between 5 - 50 µs/cm							
Electrode	316L with the following optional electrode materials available: Hastelloy B or C, Titanium, Tantalum and Platinum-Iridium							
Protection	IP65 / IP67 / IP68							
Temperature	Ambient: -25 to 65 Deg C / Medium: PTFE lining 70 Deg C max							
Ex-proof	Yes							

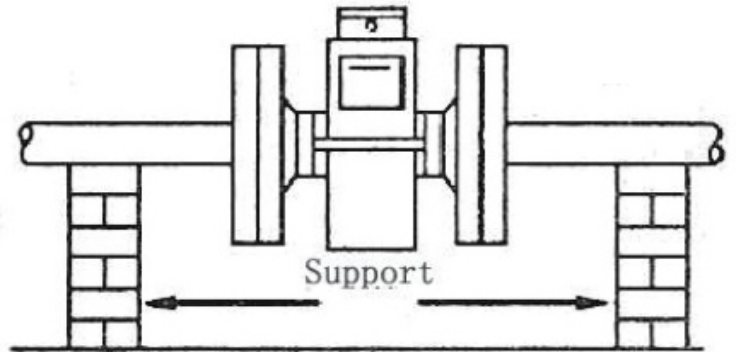
Standard SS304 Flange type stocked MAG meters

MAG FLOW METER, 1/2", 1", 2", 3", 4", 6", 8" & 12" ANSI PIPE FLANGE SIZE RANGES MAG MASS FLOW METERS FEATURE ACCURACIES OF 0.5% OF READING. AMAZING SENSITIVITY FOR CONDUCTIVITY ONLY REQUIRING A MINIMUM OF 5 MICROSIEMENS/CM (COMPARED TO MORE THAN 20 MICROSIEMENS/CM REQUIRED FOR CONVENTIONAL MAG METERS)

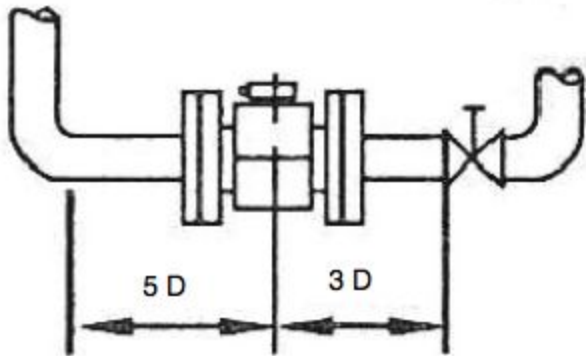
Flow Inlet/Outlet Installation guidelines.



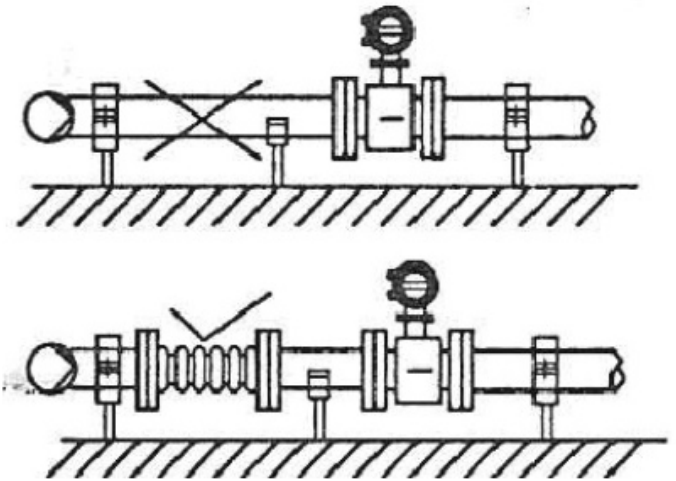
Install so that the meter is located so the outlet is at least 3 Pipe Diameters from any obstruction or elbow and the inlet is at least 5 Pipe Diameters and the meter is always submerged and there are no air bubbles



Install so that the meter is supported and not causing stress on the flanges.

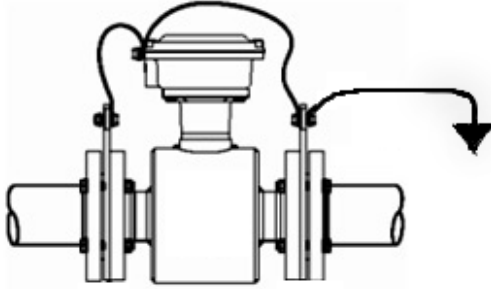


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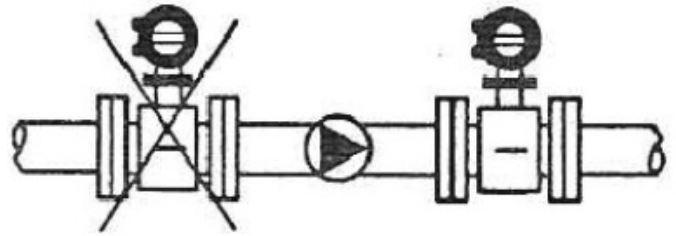


Isolate meter from vibration as shown

VERY IMPORTANT



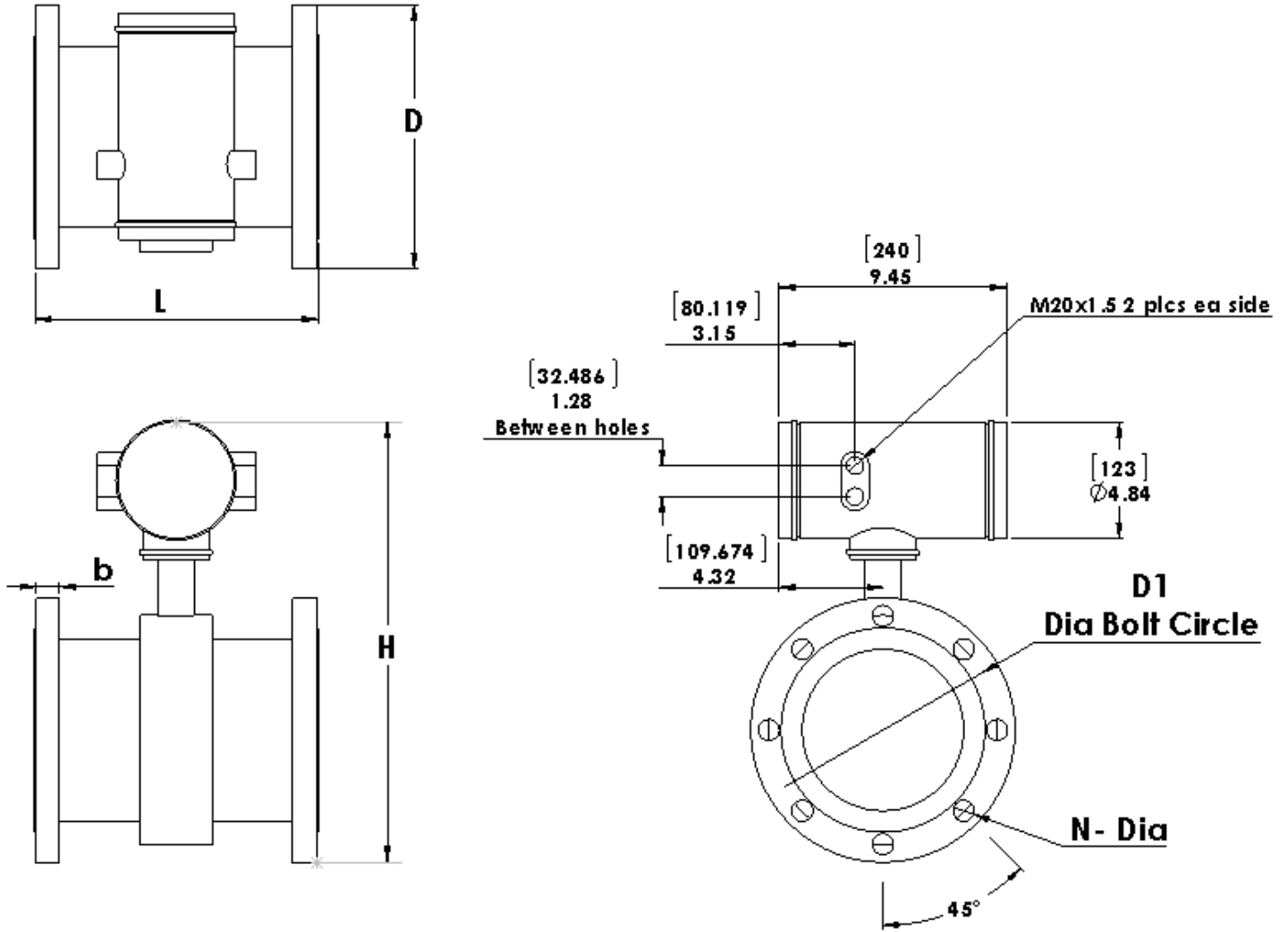
Install the MAG meter and connect the inlet and outlet to a proper GROUND line. This is the Solution Ground, called SG, and is very important for a stable ZERO FLOW measurement.



Do not install a MAG meter at the INLET of a pump as this will introduce bubbles. Instead, put it on the OUTLET with at least 5 diameters upstream.

MAIN INSTALLATION REQUIREMENTS: Never let a MAG meter run with no liquid or do not run the meter downstream of a pump that can inject bubbles, or downstream of a valve that can create bubbles in the flow. The BEST installation is shown in the upper left graphic. Grounding is very important for stable Zero Flow measurements.

METER DIMENSIONS



ANSI Size	DN Size	GPM @ 10 m/s	L		b		N-Dia		N (# Bolts)	H		D	
			L (Pipe length)		C (flange thick)		Flange Bolt Dia			Meter height		Flange OD	
			inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
½"	15	30	7.874	200	0.551	14	2.559	65	4@ 0.55"	10.433	265	3.740	95
¾"	20	50	7.874	200	0.630	16	2.953	75	4@ 0.55"	10.827	275	4.134	105
1"	25	80	7.874	200	0.630	16	3.346	85	4@ 0.55"	11.220	285	4.528	115
1 ¼"	32	130	7.874	200	0.709	18	3.937	100	4@ 0.55"	12.283	312	5.512	140
1 ½"	40	200	7.874	200	0.709	18	4.331	110	4@ 0.55"	12.598	320	5.906	150
2"	50	315	7.874	200	0.787	20	4.921	125	4@ 0.55"	13.189	335	6.496	165
2 ½"	65	530	7.874	200	0.787	20	5.709	145	6@ 0.71"	13.976	355	7.283	185
3"	80	800	7.874	200	0.787	20	6.299	160	6@ 0.71"	14.567	370	7.874	200
4"	100	1300	9.843	250	0.866	22	7.087	180	6@ 0.71"	15.354	390	8.661	220
5"	125	1950	9.843	250	0.866	22	8.268	210	6@ 0.71"	16.535	420	9.843	250
6"	150	2800	11.811	300	0.945	24	9.449	240	8@ 0.87	17.717	450	11.220	285
8"	200	5000	13.780	350	0.945	24	11.614	295	8@ 0.88	19.882	505	13.386	340