

# Flow Meter Selection Chart



## Liquids

	Technology	Series Name	Clean	Dirty	Corrosive	Viscous	Abrasive	Oil-Based Liquids	Ultra-Pure Water	Cryogenic	Fibrous Slurries	Air & Gases	Steam	Multi-phase	Low Flows	High Flows	High Temp Rating	High Pressure Rating	Pipe Diameters (inches)
<b>Badger Meter®</b> <ul style="list-style-type: none"> <li>Market leader in positive displacement meter technology</li> <li>Rugged handheld liquid dispensing options</li> </ul>	Positive Displacement	Model IOG	✓	☎	👍	✓	☎	✓	✗	✗	✗	☎	☎	☎	0.25 gpm	16 gpm	240° F	800 psig	1/2...1
		Oscillating Piston	✓	☎	👍	✓	☎	✓	✗	✗	✗	☎	☎	☎	1 gpm	100 gpm	250° F	150 psig	1/2...2
		RCDL Nutating Disc	✓	✗	👍	✓	✗	✓	✓	✗	✗	☎	☎	☎	0.5 gpm	170 gpm	250° F	150 psig	1/2...2
		Industrial Handheld Electronic	✓	☎	👍	✓	☎	✓	✗	✗	✗	☎	☎	☎	0.25 gpm	10 gpm	120° F	600 psig	1/2
		Pistol Grip Handheld	✓	☎	✗	✓	☎	✓	✗	✗	✗	☎	☎	☎	0.4 gpm	4 gpm	110° F	1000 psig	1/2
		Universal Series	✓	✗	✗	✓	✗	✓	✗	✗	✗	☎	☎	☎	0.4 gpm	4 gpm	150° F	1000 psig	1/2
	Positive Displacement Plus Turbine	RCDL Compound	✓	☎	✗	✗	☎	✗	✗	✗	✗	☎	☎	☎	0.25 gpm	1500 gpm	120° F	150 psig	2...6
	Turbine	RCDL Turbo	✓	☎	✗	✗	☎	✗	✗	✗	✗	☎	☎	☎	4 gpm	19,800 gpm	120° F	150 psig	1-1/2...20
		Industrial Turbo	✓	☎	👍	👍	☎	✓	☎	✗	✗	☎	☎	☎	8 gpm	2000 gpm	250° F	150 psig	2...6
Vision		✓	✗	☎	✗	✗	✓	✓	✗	✗	☎	☎	☎	0.03 gpm	9.25 gpm	212° F	363 psig	1/4...3/8	
<b>Data Industrial®</b> <ul style="list-style-type: none"> <li>Proven flow metering solution</li> <li>Full line of PVC and metal in-line designs support a wide range of facility applications from HVAC to submetering to irrigation</li> <li>Some insertion models include hot-tap options</li> </ul>	Impeller In-line	380 Btu Meter	✓	👍	✗	✗	✗	✗	✗	✗	☎	☎	☎	1.7 gpm	157 gpm	260° F	400 psig	3/4...2	
		735	✓	👍	✗	✗	✗	✗	✗	✗	☎	☎	☎	1.2 gpm	49 gpm	110° F	160 psig	1/2...1	
		4000	✓	👍	✓	✗	✗	☎	✓	✗	✗	☎	☎	☎	0.2 gpm	49 gpm	220° F	350 psig	1/2...1
		228PV	✓	👍	☎	✗	✗	✗	✗	✗	✗	☎	☎	☎	2.8 gpm	1175 gpm	221° F	100 psig	1-1/2...4
		228 Metal	✓	👍	☎	✗	✗	✗	✗	✗	✗	☎	☎	☎	0.3 gpm	459 gpm	221° F	300 psig	2...2-1/2
		250B	✓	👍	✗	✗	✗	✗	✗	✗	✗	☎	☎	☎	1.2 gpm	110 gpm	221° F	400 psig	1/2...1-1/2
	Impeller Insertion	SDI	✓	👍	☎	✗	✗	✗	✗	✗	✗	☎	☎	☎	0.3 fps	20 fps	300° F	1000 psig	1-1/2...36
		220	✓	👍	☎	✗	✗	☎	✗	✗	✗	☎	☎	☎	0.3 fps	20 fps	221° F	400 psig	2...40+
		220PVS	✓	👍	☎	✗	✗	✗	☎	✗	✗	☎	☎	☎	0.3 fps	20 fps	140° F	100 psig	2...40+
		225	✓	👍	✗	✗	✗	✗	✗	✗	✗	☎	☎	☎	0.3 fps	20 fps	221° F	400 psig	2...40+
		226	✓	👍	☎	✗	✗	☎	☎	✗	☎	☎	☎	0.3 fps	20 fps	221° F	400 psig	2...40+	
<b>Hedland®</b> <ul style="list-style-type: none"> <li>Installation at any angle</li> <li>Special scales available</li> <li>Quick delivery</li> </ul>	In-line Variable Area	High Pressure	✓	👍	✓	👍	✗	👍	👍	✗	✗	✓	☎	☎	0.02 gpm	400 gpm	500° F	6000 psig	1/4...3
		EZ-View	✓	👍	👍	☎	✗	👍	👍	✗	✗	☎	☎	☎	0.5 gpm	100 gpm	250° F	325 psig	1/2...2
<b>Flo-tech</b> <ul style="list-style-type: none"> <li>Single device measures flow, pressure, and temperature</li> <li>High pressure capability</li> <li>Rugged design</li> </ul>	In-line Turbines	Activa, Ultima	✓	✗	✗	☎	✗	👍	✓	✗	✗	☎	☎	☎	0.4 gpm	160 gpm	300° F	5800 psig	1/4...1-1/4
	Portable Hydraulic Testers	PFM, Flo-Check	✓	✗	✗	☎	✗	👍	✓	✗	✗	☎	☎	☎	1 gpm	200 gpm	300° F	6000 psig	3/4...1-1/2
		MC4000	✓	✗	✗	☎	✗	👍	✓	✗	✗	☎	☎	☎	0.4 gpm	160 gpm	392° F	5800 psig	1/4...1-1/4

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<b>Blancett®</b> <ul style="list-style-type: none"> <li>Rugged, 316 SS w/tungsten carbide internal parts</li> <li>±1% accuracy liquid meters</li> <li>Easy-to-install</li> <li>Field-replaceable internal repair kits</li> </ul>	Positive Displacement	B1750	✓	✗	☎	✓	✗	👍	☎	✗	✗	☎	☎	☎	0.003 gpm	120 gpm	400° F	5000 psig	1/4...1-1/4	
	In-line Turbines	1100	✓	☎	☎	☎	☎	☎	👍	👍	✗	✗	☎	☎	☎	0.6 gpm	5000 gpm	350° F	5000 psig	1/2...10
		QuikSert	✓	☎	☎	☎	☎	☎	👍	👍	✗	✗	☎	☎	☎	0.6 gpm	5000 gpm	350° F	3705 psig	3/8...10
		FloClean	✓	☎	☎	☎	☎	☎	☎	👍	✗	✗	☎	☎	☎	0.6 gpm	400 gpm	350° F	1000 psig	1...3
		Gas QuikSert	☎	☎	☎	☎	☎	☎	☎	☎	☎	☎	✓	☎	☎	7 acfm	350 acfm	330° F	2220 psig	2
<b>Cox®</b> <ul style="list-style-type: none"> <li>Patented turbine designs for high accuracy (up to ±0.10%)</li> <li>Cost effective alternative to electronic metering options of similar accuracy</li> <li>Suitable for high-vibration environments</li> </ul>	High-Precision Turbine	Single Rotor	✓	☎	👍	☎	☎	✓	✓	✓	✗	☎	☎	☎	0.006 gpm	500 gpm	500° F	7000 psig	1/4...2-1/2	
		Dual Rotor	✓	☎	👍	☎	☎	✓	✓	✓	✗	☎	☎	☎	0.025 gpm	1500 gpm	300° F	30,000 psig	1/4...4	
<b>Racine</b> <ul style="list-style-type: none"> <li>No moving parts</li> <li>No minimum pressure requirements on gas meters</li> <li>High turndown ratios on gas meters</li> </ul>	Vortex Shedding	RNL	✓	👍	👍	✗	✗	✗	✓	✗	✗	☎	☎	☎	2 fps	18 fps	300° F	250 psig	4+	
		RVL	✓	☎	👍	✗	✗	✗	✓	✗	✗	☎	☎	☎	0.6 gpm	300 gpm	203° F	150 psig	1/2...3	
		RWVG, RWBG	☎	☎	☎	☎	☎	☎	☎	☎	☎	☎	✓	☎	☎	0.4 acfm	600 acfm	360° F	250 psig	1/2...4
		RNG	☎	☎	☎	☎	☎	☎	☎	☎	☎	☎	✓	☎	☎	2 fps	140 fps	300° F	250 psig	4+
<b>Preso®</b> <ul style="list-style-type: none"> <li>Ellipse Pitot tube has highest turndown ratio (17:1) and lowest permanent pressure loss among competitors</li> <li>Very low Reynolds number (COIN meter)</li> </ul>	Venturi	SSL, SSM, LPL	✓	👍	☎	☎	☎	👍	✓	✗	☎	✓	✓	Application Dependent						
		CV	✓	👍	☎	☎	☎	👍	✓	✗	☎	✓	✗							☎
	Pitot Tubes	Ellipse	✓	☎	👍	☎	✗	👍	✓	✗	✗	✓	✓							☎
	Segmented Wedge	COIN	✓	✓	👍	✓	✓	👍	✓	✗	👍	✓	✓							☎
<b>Badger Meter®</b> <ul style="list-style-type: none"> <li>Complete line of mag meters for general purpose, sanitary and intrinsically-safe environments</li> <li>7500 Models feature built-in batch capability</li> </ul>	Electromagnetic	M2000	✓	✓	👍	👍	✓	✗	✗	✗	✓	☎	☎	☎	0.06 gpm	1,100,000 gpm	311° F	ANSI 150 psig flange rating	1/4...54	
		M3000	✓	✓	👍	👍	✓	✗	✗	✗	✓	☎	☎	☎	0.02 gpm	53,778 gpm	248° F		1/4...24	
		M4000	✓	✓	👍	👍	✓	✗	✗	✗	✓	☎	☎	☎	0.02 gpm	13,444 gpm	122° F		1/4...12	
		M5000	✓	✓	👍	👍	✓	✗	✗	✗	✓	☎	☎	☎	0.11 gpm	53,778 gpm	212° F		1/4...24	
		7500	✓	✓	👍	👍	✓	✗	✗	✗	✓	☎	☎	☎	1 gpm	1300 gpm	311° F		1/2...4	
<b>Dynasonics®</b> <ul style="list-style-type: none"> <li>Non-invasive, clamp-on style models</li> <li>No process shutdown on clamp-on</li> <li>Large turndown ratio</li> <li>Btu metering options</li> </ul>	Transit Time	TFX Ultra, TFXL	✓	☎	👍	☎	☎	☎	✓	✗	✗	☎	☎	☎	<1 fps	40 fps	350° F	N/A	1/2+	
	Doppler	DFX, UFX	☎	✓	👍	👍	👍	☎	✗	✗	👍	☎	☎	☎	0.3 fps	30 fps	400° F	N/A	1/4+	
		Hybrid	Fusion	✓	✓	👍	👍	👍	☎	✓	✗	👍	☎	☎	☎	0.2 gpm	250 gpm	160° F	300 psig	1/2...2
	DXN		✓	✓	👍	👍	👍	☎	✓	✗	👍	☎	☎	☎	0.001 fps	40 fps	250° F	N/A	1/4+	

Designed for this Service  
 Normally Applicable  
 Not Applicable  
 Not Suitable  
 Consult Factory