

Hy-Cone™ - The latest rental product from GM Flow

GM Flow Measurement Services Ltd are proud to introduce Hy-Cone™, for a wide range of flow rates and fluid types. Clean Water, diesel, acids and well scale treatment are some of the liquids that can be handled by Hy-Cone in addition to low or high pressure nitrogen, hydrogen or natural gas. By varying the beta ratio, differential pressure and flowing pressure transmitter ranges, we can measure from as low as 2.3 lit/minute, up to 68.5 Lit/minute of clean liquids, such as water. In N2 gas, Hy-Cone can measure from 19 to 1440 SCF/Min and in Hydrogen from 2 to 260 g/sec. We can also measure from 4 SCF/Min of natural gas at 3.4 Barg up to 1340 SCF/Min at 689 Barg. This complements our Integra-Cone meter by providing an extremely small flow range device for extreme applications.



If supplied as a Rental meter, Hy-Cone comes equipped with 5300 or 10,000 psi rated differential pressure, static pressure and temperature elements and a choice of transport frame.

Working pressures and flow ranges are determined by the customers application, so contact us for more details about what YOU want to measure.

- Δ NPT or Autoclave Threaded Connections
- Δ 10:1 Turndown Ratio
- Δ Very Low Pressure Drop
- Δ Mono-Block Design - no Welding
- Δ Integrated Pressure, Differential Pressure & Temperature Instruments
- Δ Corrosion and Erosion Resistant Materials
- Δ Simple Operation and Field Inspection/Maintenance
- Δ Reliable by Design
- Δ Meets or Exceeds Requirements of ISO 5167 part V
- Δ Rated to 689 bar Working Pressure (1000 Bar for H2)
- Δ 316L Stainless Steel as standard

Built entirely from 316L SS* Hy-Cone™ LP provides a tough, accurate, corrosion and erosion resistant flow measurement technique, which is easy and safe to operate, even by inexperienced personnel.

Utilising NPT, BSP or Autoclave end connections and offering a range of between 0.45 to 0.75 Beta ratios, Hy-Cone™ offers a quick, easy and compact installation with a lithium battery or 24 VDC powered flow computer attached, ready to measure.

Hy-Cone™ includes high and low pressure ports and the required upstream and downstream straight lengths, built into the meter body. Simply plumb it into your line, attach the optional 24 VDC power supply and start to measure gas or liquid within the flow ranges specified below.

* Other Materials on Request.

			Display Options					Outputs		
Size	Beta	Press Rating (psig)	Pressure Reading	Temp Reading	DP Reading	Flow Rate	Flow Total	RS485	4-20 mA	Power Supply
0.5"	0.45-0.75	5,300	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Battery or 24 VDC
1"	0.45-0.75	5,300	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Battery or 24 VDC
0.5"	0.45-0.75	10,000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24 VDC
1"	0.45-0.75	10,000	Yes	Yes	Yes	Yes	Yes	Yes	Yes	24 VDC

			Nitrogen Flow Range (SCF/Min) at Flowing Pressure (psig)							Water BBL/Min
Size	Beta	Press Rating (psig)	1000	2000	3000	4000	5300	7500	10000	
0.5"	0.45	5,300	19 - 190	26.6 - 266	32 - 320	36 - 360	40 - 400	-	-	0.014 - 0.142
1"	0.75	5,300	58 - 580	80 - 800	97 - 970	109 - 1090	120 - 1200	-	-	0.043 - 0.43
0.5"	0.45	10,000	19 - 190	26.6 - 266	32 - 320	36 - 360	40 - 400	44 - 440	47 - 471	0.014 - 0.142
1"	0.75	10,000	58 - 580	80 - 800	97 - 970	109 - 1090	120 - 1200	134 - 1340	144 - 1440	0.043 - 0.43

			Hydrogen Flow Range (g/Sec) at Flowing Pressure (barg)							Water Lit/Min
Size	Beta	Press Rating (barg)	35	100	200	300	365	500	1000	
0.5"	0.45	365	2 - 20	3 - 33	4.5 - 46	5.4 - 54	5.9 - 59	-	-	2.3 - 22.5
1"	0.75	365	6 - 61	10 - 100	13.8 - 138	16.5 - 165	17.8 - 178	-	-	6.9 - 68.5
0.5"	0.45	1,000	2 - 20	3 - 33	4.5 - 46	5.4 - 54	5.9 - 59	6.6 - 66	8 - 84	2.3 - 22.5
1"	0.75	1,000	6 - 61	10 - 100	13.8 - 138	16.5 - 165	17.8 - 178	20 - 200	26 - 260	6.9 - 68.5

			Natural Gas Flow Range (SCF/Min) at Flowing Pressure (psig)							Water m3/hr
Size	Beta	Press Rating (psig)	50	100	500	2500	5300	7500	10000	
0.5"	0.45	5,300	4 - 40	5.8 - 56	12.5 - 125	31 - 310	39 - 393	-	-	0.136 - 1.36
1"	0.75	5,300	58 - 580	80 - 800	97 - 970	109 - 1090	120 - 1200	-	-	0.4 - 4.0
0.5"	0.45	10,000	4 - 40	5.8 - 56	12.5 - 125	31 - 310	39 - 393	42 - 420	44 - 440	0.136 - 1.36
1"	0.75	10,000	58 - 580	80 - 800	97 - 970	109 - 1090	120 - 1200	128 - 1280	134 - 1340	0.4 - 4.0

10,000 psi (1000 bar for H2) version requires 24 VDC

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