

Metal Tube Flowmeter

Introduction

Fluid, passing through an orifice within the tube, causes a profiled float to assume a position where the forces created by flow are balanced by the weight of the float. A magnet in the float is sensed by the FloTrak system, providing a direct reading flow rate scale, optional alarms or an independent 4 to 20mA transmitter.

Specifications

Gas Range:	0.1 – 700 m ³ /h (air equivalent)
Liquid Range:	5 LPH – 25 m ³ /h (water equivalent)
Scale Length:	100mm
Accuracy:	±2% FSD
Temperature:	-30 to 65 °C Ambient -40 to 200 °C Fluid
Materials:	316 S/S Standard
Connections:	DIN PN16 Flange ANSI 150 Flange BSP Female Thread



FloTrak DN - DN50

Models Available

SIZE (mm)	WATER Flow Scales (at 20°C)	AIR Flow Scales (at 20°C & 1013 mbar)	Max. Pressure Drop (mbar)
DN 15 Flange or 3/4" BSP	5 to 40 L/h	0.1 to 1.2 m ³ /h	40
	5 – 50 L/h	0.2 – 1.5 m ³ /h	40
	10 – 70 L/h	0.3 – 2 m ³ /h	40
	10 – 100 L/h	0.3 – 3 m ³ /h	40
	20 – 160 L/h	0.5 – 5 m ³ /h	60
	25 – 250 L/h	0.5 – 7 m ³ /h	60
	40 – 400 L/h 60 – 600 L/h	1 – 11 m ³ /h 2 – 17 m ³ /h	60 80
DN 25 Flange or 1" BSP	0.1 – 1 m ³ /h	3 – 30 m ³ /h	60
	0.2 – 1.6 m ³ /h	5 – 45 m ³ /h	75
	0.25 – 2.5 m ³ /h	7 – 70 m ³ /h	90
	0.4 – 4 m ³ /h	10 – 110 m ³ /h	100
	0.6 – 6 m ³ /h	-	500
DN 50 Flange or 2" BSP	0.4 – 4 m ³ /h	10 – 110 m ³ /h	60
	0.6 – 6 m ³ /h	20 – 170 m ³ /h	70
	1 – 10 m ³ /h	30 – 300 m ³ /h	85
	2 – 16 m ³ /h	50 – 450 m ³ /h	100
	2 – 25 m ³ /h	70 – 700 m ³ /h	130
DN 80 Flange	2 – 16 m ³ /h	-	80
	2.5 – 25 m ³ /h	-	90
	4 – 40 m ³ /h	-	120

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