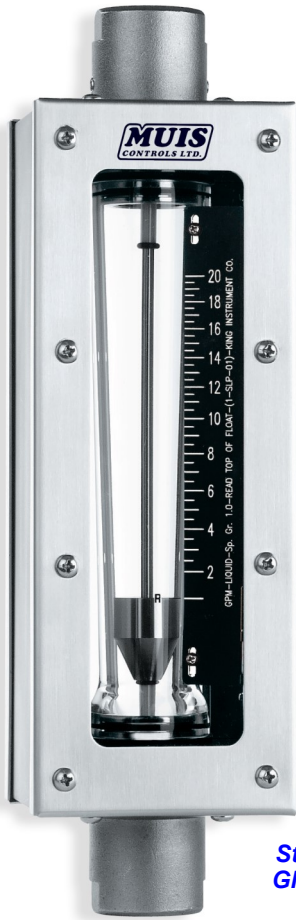


Model Number Chart

See Example Below



**Stainless Steel Frame
Glass Tube Rotameter
with 5" Scale**

761	Base Model Number - Stainless Steel Frame - 5" Scale	
	Code	Fitting Material
	2	316 Stainless Steel
	3	PVC (not to be used for gas service)
	Code	Float Material
	2	316 Stainless Steel
	4	Hastelloy C-276
	Code	O-Ring Material
	1	EPR
	2	Buna-N
	3	Viton®
	4	Kalrez®
	Code	Optional Alarm
	0	Without Alarm
	A	With Single Alarm (most ranges)
	Code	Range Code from Table on Page 2
	61W	◀ Typical Model Number

Description / Materials

Metering Tube	Borosilicate Glass
Internal Components	316L SS Optional : Hastelloy® C-276
Fitting Material	316L SS Optional : PVC
Inlet / Outlet Fittings	FNPT vertical
O-Ring	Standard: Viton® Optional : EPR, Buna-N, Kalrez®
Case and Covers	304 SS case Polycarbonate shield

Performance

Capacities	Water 0.25 to 116 GPM Air 1 to 245 SCFM
Scale	127 mm (5") direct reading, detachable
Accuracy	+/- 3% of full scale flow
Turndown	10:1
Repeatability	0.5%
Max Temperature	316L SS Fittings Gases 200°F (93°C) PVC Fittings Liquids 110°F (43°C)
Max Pressure	316L SS fittings 250 psig size 3&4 316L SS fittings 200 psig size 5&6 316L SS fittings 150 psig size 8&9 PVC fittings (liquid only) 100 psig
Ambient Temp	33°F to 125°F (1°C to 52°C)

Options

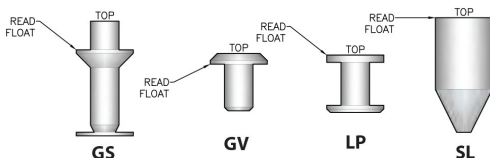
Alarm	Latching Reed Switch
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

Float

Options for rotameter float materials and designs extend flow ranges for different fluids within a given rotameter tube design

Features

- Precision formed and annealed borosilicate glass metering tubes – fluted or plain taper (Plain taper tubes have rod guided floats).
- Classic design, premium quality, heavy duty 304 stainless steel frame, end plates and shield retainers.
- Full 3/16" thick clear Polycarbonate safety shields (front and rear) are mounted inside stainless steel covers.
- 316 Stainless Steel in-line (vertical) fittings.
- Direct reading scales (USGPM Water or SCFM Air) are standard.
- Unique float stop design allows internals to be removed and replaced without disturbing either the tube or shield. So cleaning is easier, and with this design the chances of damaging the tube during maintenance are dramatically reduced.
- Low cost adder for Hastelloy C-276 internals and PVC fittings for corrosive service.
- Meter can be front or rear panel mounted.

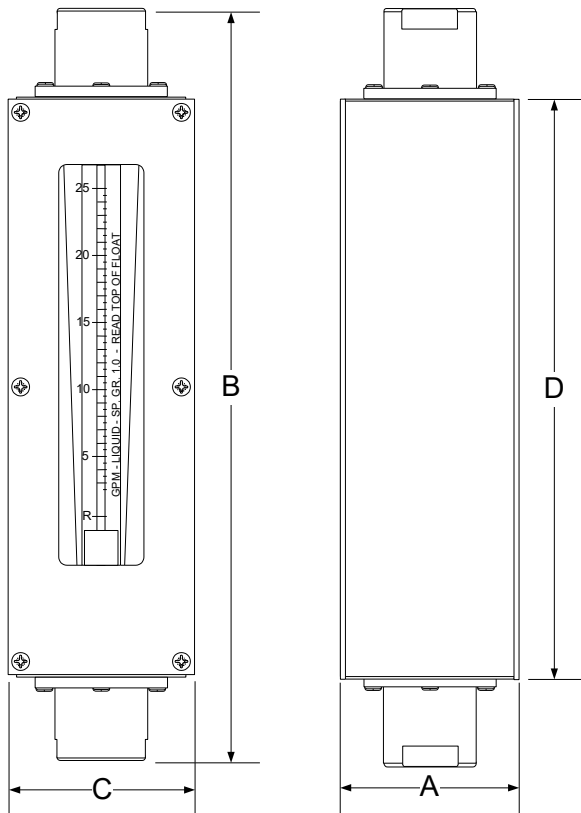


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Flow Ranges and Dimensions

Range Code	Water USGPM	Range Code	Air (STP) SCFM	Connection Size	Dimensions			
					A	B	C	D
31W	0.25	31A	1.0	1/2" FNPT	3.125"	11.875"	3.15"	9.5"
32W	0.36	32A	1.5					
33W	0.74	33A	3.0					
41W	1.0	41A	4.2	1/2" FNPT	3.125"	11.875"	3.15"	9.5"
43W	2.0	43A	8.2					
51W	1.5	51A	6.0	1" FNPT	3.90"	13.75"	3.95"	10.6"
52W	3.8	52A	16.0					
53W	5.0	53A	21.5					
61W	6.0	61A	25.5	1" FNPT	3.90"	13.75"	3.95"	10.6"
62W	7.4	62A	30.0					
63W	9.6	63A	40.0					
64W	11.0	64A	45.0					
65W	14.0	65A	62.0					
66W	20.0	66A	90.0					
67W	26.0	-	-					
81W	22.0	81A	90.0	2" FNPT	5.375"	16"	5.312"	11.8"
82W	44.0	82A	180.0					
83W	61.0	83A	250.0					
91W	41.0	91A	160.0	2" FNPT	5.375"	16"	5.312"	11.8"
92W	60.0	92A	245.0					
93W	86.0	-	-					
94W	116.0	-	-					



Also Available from Muis Controls



Self Powered Turbine Flow Meters



Metal Tube Rotameters



Sight Flow Indicators

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**Latching Reed Switch alarm available for
7310, 7330, 7470, 7480, 7610, 7910 Series**



A latching reed switch is available for 7310, 7330, 7470, 7480, 7610, 7910 Series flowmeters. Operating temperature range is -40°C to 125°C.

The switch assembly is mounted on the side of the metering tube by a dovetail or guide rod. The switch can be positioned to trip at any point on the scale.

The switch is a reed type and uses a biasing magnet to give it the latching feature. The float contains hermetically sealed magnet(s), so when the float comes in close proximity to the switch it closes and remains closed (latched) when the float moves past the switch. When the flow returns to normal and the float moves below the switch it resets itself. Multiple switches can be used.

Electrical Specifications for Latching Reed Switch

Switch Type	SPDT, Latching
Max Contact Voltage	100 VDC
Max Contact Current	0.2 A DC
Max Contact Power	4 Watts DC
Breakdown Voltage	200 VDC
Initial Contact Resistance	0.15 OHMS
Standard Pull-In Range	15 - 40 ampere turns
Intrinsically Safe Wiring	With switch Isolator 3 conductor, 22 Awg, 2' long 1) White, N.O. switch output 1 2) Red, common 3) Black, N.C. switch output 2

Switch Isolator Option

Latching reed switches can be used as stand alone devices, or may be connected to a switch isolator for intrinsically safe applications. The purpose of the switch isolator is to supply electrical signals between safe and hazardous areas in either direction while limiting the amount of energy that can be transferred even under fault conditions. Switch isolators are available with 220 VAC, 110 VAC or 24 VD supply voltage requirements, contain single pole double throw (SPDT) relays, and are DIN rail mountable. See switch isolator specifications for electrical connections and further details.

7330 with Latching Reed Switch