



**Precision Molded Flow Indicators**

## Options

- Direct reading scales corrected for specific gravity and calibrated in special engineering units are available.
- High / Low flow switches are available with a magnetic float on all models
- Special scales are available for NaOH and HCL solutions commonly used in chemical treatment applications.
- Inlet or outlet globe valve for flow control.

PR53

2

1

T

6

3

E

A

N

◀ Typical Model Number

## Model Number Chart See Example Below

Code Meter Series and Flow Range Code - Select from Table on Page 2	
<b>Code</b>	<b>Tube Material</b>
1	Clear Molded PVC (Polyvinyl Chloride)
2	Clear Molded PA (Polyamide)
3	Clear Molded PSU (Polysulfone)
<b>Code</b>	<b>Connection Material</b>
1	PVC (Polyvinyl Chloride)
2	PP (Polypropylene)
3	PVDF (Polyvinylidene Fluoride)
4	316L SS (Select Sizes)
<b>Code</b>	<b>Connection Type</b>
B	BSP Female Threaded (PVC, PP, PVDF)
D	DIN Socket (PVC Only)
S	ASTM Socket (PVC Only)
T	NPTF Threaded (PVC, PP, PVDF and 316L SS)
<b>Code</b>	<b>Connection Size</b>
1	1/2" Series PR3, PR4 (316L SS Not Available)
2	3/4" Series PR3, PR4, PR5 (316L SS Not Available)
3	1" Series PR3, PR4, PR5, PR6 (316L SS PR3, PR4 only)
4	1 1/4" Series PR4, PR5, PR6 (316L SS Not Available)
5	1 1/2" Series PR5, PR6, PR7 (316L SS PR5 only)
6	2" Series PR6, PR7
7	2 1/2" Series PR7 (PVC Socket Only)
<b>Code</b>	<b>Union Nut Material (PVC)</b>
1	PVC (Polyvinyl Chloride)
2	PP (Polypropylene)
3	PVDF (Polyvinylidene Fluoride)
<b>Code</b>	<b>O-Ring Material</b>
E	EPDM (Standard)
B	Buna-N
V	Viton
<b>Code</b>	<b>Scale</b>
A	USGPM Water / 10 - 100% - Dual Scale
B	LPM Water / 10 - 100% - Dual Scale
C	LPH Water / 10 - 100% - Dual Scale
D	SCFM Air at STP / 10 - 100% Dual Scale
E	10 - 100% - Single Scale
F	Special - Direct Reading Scale
<b>Code</b>	<b>Latching Alarm Switches</b>
N	No Alarm Switches
0	Magnetic Float Only -No Switches
1	Min Alarm - Closes on Low Flow
2	Max Alarm - Closes on High Flow
3	Both Min/Max Alarm Switches



## Features

- High-impact injection molded plastic tubes are very rugged, durable and are corrosion and breakage resistant.
- Bright red PVDF float is easy to see. Flow rate is read at the float top (largest) diameter.
- Bright red limit flags on a dovetail rail are positioned to indicate at a glance if the flow is within acceptable limits.
- Vertical inlet / outlet connections have large union ends for easy removal of the tube and float for inspection / cleaning.
- Excellent corrosion and chemical resistance.
- Very low pressure drop design.
- Light weight design is self supporting in plastic piping systems.
- Accuracy of measurement +/- 3% of full scale.



**Muis Controls Ltd. - Flow Meters · Flow Controls**

29 Riel Drive, St. Albert, AB, Canada T8N 3Z2

Ph +1-780-459-7080 Fx +1-780-459-7085 Toll Free 1-800-661-8823

www.muiscontrols.com info@muiscontrols.com

## Materials of Construction

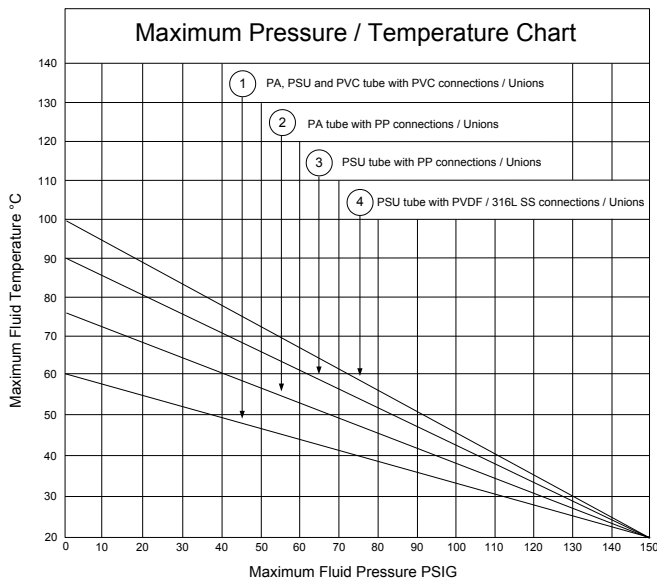
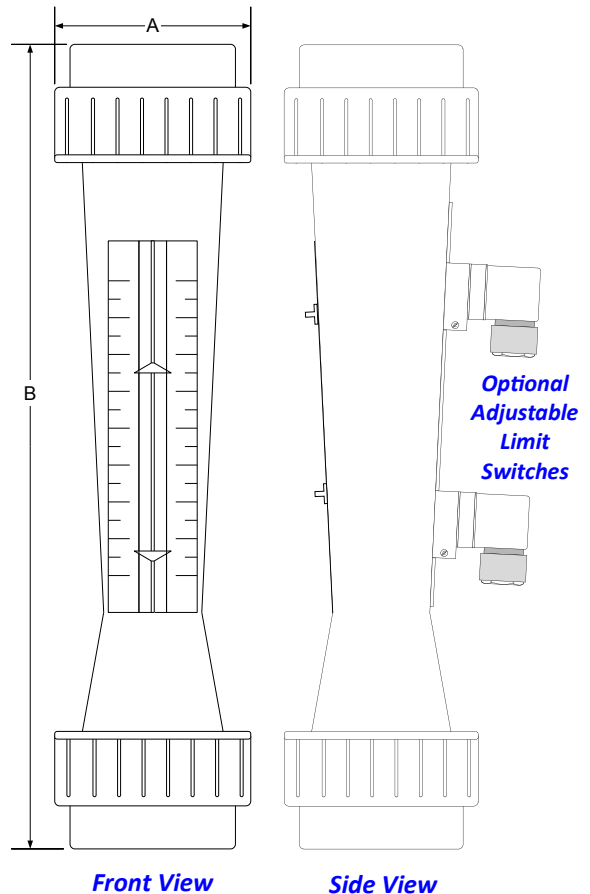
Part	Standard	Optional
Metering Tube	PA (Polyamide)	PVC (Polyvinyl Chloride), PSU (Polysulfone)
Fittings	PVC (Polyvinyl Chloride)	PP (Polypropylene), PVDF (Polyvinylidene Flouride), 316L SS
Union Nuts	PVC (Polyvinyl Chloride)	PP (Polypropylene), PVDF (Polyvinylidene Flouride),
Float	PVDF (Polyvinylidene Flouride)	-
O-Rings	EPDM	Buna-N, Viton

## Flow Ranges and Pressure Drop

Meter Series and Flow Range Code	LPH Water at 20°C	LPM Water at 20°C	USGPM Water at 20°C	SCFM Air at STP	NM <sup>3</sup> /HR Air at STP	Maximum Pressure Drop
PR31	50 - 500	0.8 - 8	0.22 - 2.2	1 - 8	1.5 - 14	9.2" W.C. / 22.9 mbar
PR32	100 - 1000	1.7 - 17	0.44 - 4.4	2 - 17	2.5 - 29	9.2" W.C. / 22.9 mbar
PR41	150 - 1500	2.5 - 25	0.66 - 6.6	2 - 26	4 - 45	9.2" W.C. / 22.9 mbar
PR42	250 - 2500	4.2 - 42	1.1 - 11	4 - 45	7 - 79	9.2" W.C. / 22.9 mbar
PR51	200 - 2000	3.3 - 33	0.88 - 8.8	3 - 34	6 - 58	10" W.C. / 25 mbar
PR52	300 - 3000	5 - 50	1.32 - 13.2	6 - 60	9 - 108	10" W.C. / 25 mbar
PR53	600 - 6000	10 - 100	2.64 - 26.4	10 - 100	17 - 174	10" W.C. / 25 mbar
PR61	600 - 6000	10 - 100	2.64 - 26.4	10 - 100	17 - 170	10" W.C. / 25 mbar
PR62	1000 - 10000	17 - 167	4.4 - 44	17 - 175	30 - 300	10" W.C. / 25 mbar
PR63	1500 - 15000	25 - 250	6.6 - 66	30 - 240	53 - 405	11.4" W.C. / 28.3 mbar
PR71	2000 - 20000	33 - 333	8.8 - 88	40 - 290	55 - 545	18.4" W.C. / 45.7 mbar
PR72	3000 - 30000	50 - 500	13.2 - 132	50 - 400	80 - 758	18.4" W.C. / 45.7 mbar
PR73	8000 - 60000	133 - 1000	35.2 - 264			19" W.C. / 473 mbar

## Dimensions

Meter Series	A	B
PR3	2.36" / 60 mm	15.16" / 385 mm
PR4	2.84" / 72 mm	15.47" / 393 mm
PR5	3.27" / 83 mm	15.87" / 403 mm
PR6	4.06" / 103 mm	16.42" / 417 mm
PR7	5.31" / 135 mm	16.89" / 429 mm



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