

# 7330 Series

## POLYSULFONE TUBE

Union ends simplify installation and maintenance. With the Teflon® float option these meters are excellent for applications where no metal is preferred. Socket weld end connections available.



### DESCRIPTION

|                              |                                                           |
|------------------------------|-----------------------------------------------------------|
| <b>Metering Tube</b>         | Molded polysulfone                                        |
| <b>Internal Components</b>   | 316L SS, Teflon®, PVDF<br>Polysulfone or Hastelloy® C-276 |
| <b>Fitting Material</b>      | Standard: PVC<br>Optional: PVDF                           |
| <b>Inlet/Outlet Fittings</b> | FNPT, vertical                                            |
| <b>O-Ring</b>                | Standard: Viton®<br>Optional: Buna N, EPR, and Kalrez®    |

### PERFORMANCE

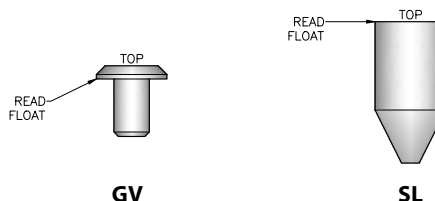
|                            |                                                 |                            |
|----------------------------|-------------------------------------------------|----------------------------|
| <b>Capacities</b>          | Water (PVDF float)                              | 0.5 GPM                    |
|                            | Water (Teflon® float)                           | 1 to 100 GPM               |
|                            | Water (Metal float)                             | 1.5 to 160 GPM             |
| <b>Scale</b>               | 127 mm (5") direct reading, detachable          |                            |
| <b>Accuracy</b>            | ± 3% of full scale flow                         |                            |
|                            | ± 5% of full scale flow                         |                            |
|                            | (120 & 150 GPM metal floats)                    |                            |
|                            | ± 6% of full scale flow (Teflon® & PVDF floats) |                            |
| <b>Turndown</b>            | 10:1                                            |                            |
| <b>Repeatability</b>       | .5%                                             |                            |
|                            | 1% (120 & 150 GPM Metal floats)                 |                            |
|                            | 1% (Teflon® & PVDF floats)                      |                            |
| <b>Maximum Temperature</b> | PVC fittings                                    | 130° F (54° C)             |
|                            | PVDF fittings                                   | 200° F (93° C)             |
| <b>Maximum Pressure</b>    | PVC fittings                                    | 150 psig (sizes 41W - 72W) |
|                            | PVC fittings                                    | 125 psig (size 90W - 103W) |
|                            | PVDF fittings                                   | 150 psig (sizes 41W - 72W) |
|                            | PVDF fittings                                   | 125 psig (size 90W - 103W) |
| <b>Ambient Temperature</b> | 33° F to 125° F (1° C to 52° C)                 |                            |

### OPTIONS

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Alarm</b>                  | Latching Reed Switch (See page 60) |
| <b>Certified Calibrations</b> | Conform to ISA RP 16.6             |
| <b>Scales</b>                 | Any volumetric unit                |

### FLOATS

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



# 7330 Specifications

## POLYSULFONE TUBE

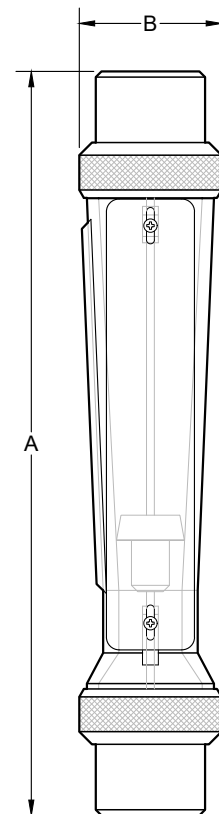
| Order Number | Flow Range Water | Float Material | Float Number | Float Type | Alarm Option | Connection Size FNPT |
|--------------|------------------|----------------|--------------|------------|--------------|----------------------|
| 41W          | .5 GPM           | PVDF           | 4-TSL-01     | SL         | no           | ½"                   |
| 42W          | 1 GPM            | Teflon®        | 4-TSL-02     | SL         | yes          | ½"                   |
| 43W          | 1.5 GPM          | 316L SS        | 4-SSL-01     | SL         | yes          | ½"                   |
| 44W          | 3 GPM            | 316L SS        | 4-SSL-02     | SL         | yes          | ½"                   |
| 45W          | 1.6 GPM          | Hastelloy®     | 4-HSL-01     | SL         | yes          | ½"                   |
| 46W          | 3.2 GPM          | Hastelloy®     | 4-HSL-02     | SL         | yes          | ½"                   |
| 51W          | 2.4 GPM          | Teflon®        | 5-TSL-01     | SL         | yes          | ¾"                   |
| 52W          | 5 GPM            | Teflon®        | 5-TSL-02     | SL         | yes          | ¾"                   |
| 53W          | 6 GPM            | 316L SS        | 5-SSL-01     | SL         | yes          | ¾"                   |
| 54W          | 10 GPM           | 316L SS        | 5-SSL-02     | SL         | yes          | ¾"                   |
| 55W          | 6.3 GPM          | Hastelloy®     | 5-HSL-01     | SL         | yes          | ¾"                   |
| 56W          | 10.6 GPM         | Hastelloy®     | 5-HSL-02     | SL         | yes          | ¾"                   |
| 61W          | 7.6 GPM          | Teflon®        | 6-TSL-01     | SL         | yes          | 1"                   |
| 62W          | 10 GPM           | Teflon®        | 6-TSL-02     | SL         | yes          | 1"                   |
| 63W          | 15 GPM           | Teflon®        | 6-TSL-03     | SL         | yes          | 1"                   |
| 64W          | 20 GPM           | Teflon®        | 6-TSL-04     | SL         | yes          | 1"                   |
| 65W          | 12 GPM           | 316L SS        | 6-GVL-01     | GV         | yes          | 1"                   |
| 66W          | 18 GPM           | 316L SS        | 6-SSL-02     | SL         | yes          | 1"                   |
| 67W          | 25 GPM           | 316L SS        | 6-SSL-03     | SL         | yes          | 1"                   |
| 68W          | 35 GPM           | 316L SS        | 6-SSL-04     | SL         | yes          | 1"                   |
| 69W          | 13 GPM           | Hastelloy®     | 6-HSL-01     | SL         | yes          | 1"                   |
| 70W          | 19 GPM           | Hastelloy®     | 6-HSL-02     | SL         | yes          | 1"                   |
| 71W          | 26.5 GPM         | Hastelloy®     | 6-HSL-03     | SL         | yes          | 1"                   |
| 72W          | 37 GPM           | Hastelloy®     | 6-HSL-04     | SL         | yes          | 1"                   |
| 90W          | 40 GPM           | Teflon®        | 9-TSL-00     | SL         | yes          | 2"                   |
| 91W          | 60 GPM           | Teflon®        | 9-TSL-01     | SL         | yes          | 2"                   |
| 92W          | 80 GPM           | Teflon®        | 9-TSL-02     | SL         | yes          | 2"                   |
| 94W          | 100 GPM          | Teflon®        | 9-TSL-04     | SL         | yes          | 2"                   |
| 99W          | 60 GPM           | 316L SS        | 9-SSL-00     | SL         | yes          | 2"                   |
| 95W          | 80 GPM           | 316L SS        | 9-SSL-01     | SL         | yes          | 2"                   |
| 96W          | 100 GPM          | 316L SS        | 9-SSL-02     | SL         | yes          | 2"                   |
| 97W          | 120 GPM          | 316L SS        | 9-SSL-03     | SL         | yes          | 2"                   |
| 98W          | 150 GPM          | 316L SS        | 9-SSL-04     | SL         | yes          | 2"                   |
| 100W         | 84 GPM           | Hastelloy®     | 9-HSL-01     | SL         | yes          | 2"                   |
| 101W         | 106 GPM          | Hastelloy®     | 9-HSL-02     | SL         | yes          | 2"                   |
| 102W         | 126 GPM          | Hastelloy®     | 9-HSL-03     | SL         | yes          | 2"                   |
| 103W         | 160 GPM          | Hastelloy®     | 9-HSL-04     | SL         | yes          | 2"                   |

## ORDERING:

Use the following guide to determine the specific product number you require.

|              |   |   |   |                      |                      |                 |                                                                  |                   |  |  |  |
|--------------|---|---|---|----------------------|----------------------|-----------------|------------------------------------------------------------------|-------------------|--|--|--|
| 7            | 3 | 3 | 1 |                      |                      |                 |                                                                  |                   |  |  |  |
| Meter Series |   |   |   | Fitting Material     | Float Material       | O-Ring Material | Alarm*                                                           | Order Number      |  |  |  |
|              |   |   |   | PVC* - 3             | 316L SS - 2          | EPR - 1         | No Alarm - 0                                                     | See Specification |  |  |  |
|              |   |   |   | PVDF* - 7            | Hastelloy® C-276 - 4 | Buna-N - 2      | With Alarm - A                                                   | above             |  |  |  |
|              |   |   |   | *Not for air service | Teflon® - 6          | Viton® - 3      | * FLOW RATES MAY VARY FOR METER WITH ALARMS AND<br>TEFLON FLOATS |                   |  |  |  |
|              |   |   |   | PVDF - 7             | Kalrez® - 4          |                 |                                                                  |                   |  |  |  |

## DIMENSION DIAGRAM



| Order Number | Dimensions (Inches) |       |
|--------------|---------------------|-------|
|              | A                   | B     |
| 41W - 46W    | 10.00               | 1.375 |
| 51W - 56W    | 10.00               | 1.750 |
| 61W - 72W    | 11.75               | 2.250 |
| 90W - 103W   | 16.00               | 3.875 |

**CAUTION:**

*Polysulfone should not be used in direct sunlight or any other significant sources of UV light.*