

7310 Series

POLYSULFONE TUBE

An economical 304 stainless steel case with a molded polysulfone metering tube for lighter duty applications where a case enclosed meter is preferred.



DESCRIPTION

| | |
|------------------------------|---|
| Metering Tube | Molded polysulfone |
| Internal Components | 316L SS, Teflon®, PVDF Polysulfone or Hastelloy® C-276 |
| Fitting Material | Standard: 316L SS Optional: PVC, PVDF |
| Inlet/Outlet Fittings | FNPT, vertical |
| O-Ring | Standard: Viton® Optional: Buna N, EPR, and Kalrez® |
| Case and Shield | 304 SS case Polycarbonate shield |

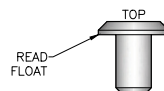
PERFORMANCE

| | | |
|----------------------------|---|-----------------|
| Capacities | Water (PVDF float) | 0.5 GPM |
| | Water (Teflon® float) | 1 to 100 GPM |
| | Water (Metal float) | 1.5 to 160 GPM |
| | Air | 6.1 to 330 SCFM |
| Scale | 127 mm (5") direct reading, detachable | |
| Accuracy | ± 3% of full scale flow | |
| | ± 5% of full scale flow (120 & 150 GPM Metal floats) | |
| | ± 6% of full scale flow (Teflon® & PVDF floats) | |
| Turndown | 10:1 | |
| Repeatability | .5% | |
| | 1% (120 & 150 GPM Metal floats) | |
| | 1% (Teflon® & PVDF floats) | |
| Maximum Temperature | 316L SS fittings | 200° F (93° C) |
| | PVC fittings | 130° F (54° C) |
| Maximum Pressure | 316L SS fittings | 200 psig |
| | PVC & PVDF fittings (sizes 41W to 72W) | 150 psig |
| | PVC & PVDF fittings (sizes 90W to 103W) | 125 psig |
| | | |
| Ambient Temperature | 33° F to 125° F (1° C to 52° C) | |

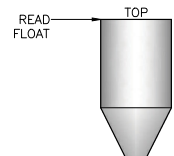
OPTIONS

| | |
|-------------------------------|--------------------------------|
| Alarm | Latching Reed Switch (Page 55) |
| Certified Calibrations | Conform to ISA RP 16.6 |
| Scales | Any volumetric unit |

FLOATS



GV



SL

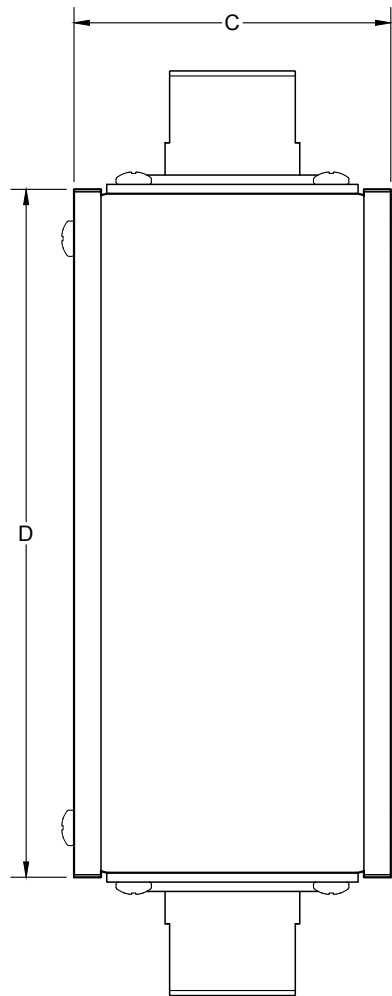
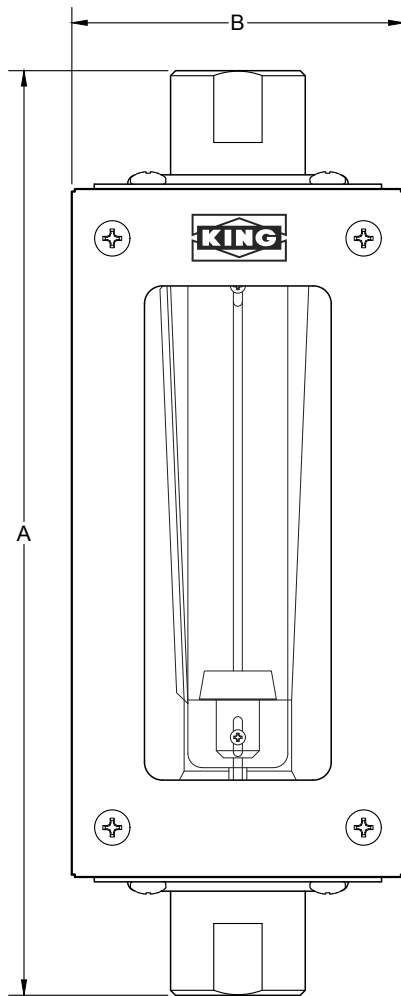
7310 Specifications

POLYSULFONE TUBE

DIMENSIONS - WATER & AIR METERING

| Order Number Water | Order Number Air | Dimensions (Inches) | | | |
|-----------------------|---------------------|---------------------|-------|------|-------|
| | | A | B | C | D |
| 41W - 46W | 43A - 44A | 12.875 | 4.625 | 4.50 | 9.58 |
| 51W - 56W | 53A - 54A | 12.875 | 4.625 | 4.50 | 9.58 |
| 61W - 72W | 65A - 67A | 12.875 | 4.625 | 4.50 | 9.58 |
| 90W - 103W | 99A, 95A | 16.000 | 6.250 | 6.25 | 13.25 |

DIMENSION DIAGRAMS



7310 Specifications

POLYSULFONE TUBE

SPECIFICATIONS – WATER

| Order Number | Flow Range Water | Float Material | Float Number | Float Type | Alarm Option | Connect Size FNPT |
|--------------|------------------|----------------|--------------|------------|--------------|-------------------|
| 41W | 0.5 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" |

SPECIFICATIONS – AIR

| Order Number | Flow Range Air | Float Material | Float Number | Float Type | Alarm Option | Connect Size FNPT |
|--------------|----------------|----------------|--------------|------------|--------------|-------------------|
| 43A | 6.1 SCFM | 316L SS | 4-SSL-01 | SL | yes | ½" |
| 44A | 12.4 SCFM | 316L SS | 4-SSL-02 | SL | yes | ½" |
| 53A | 25 SCFM | 316L SS | 5-SSL-01 | SL | no | ¾" |
| 54A | 41 SCFM | 316L SS | 5-SSL-02 | SL | yes | ¾" |
| 65A | 50 SCFM | 316L SS | 6-GVL-01 | GV | yes | 1" |
| 66A | 76 SCFM | 316L SS | 6-SSL-02 | SL | yes | 1" |
| 67A | 100 SCFM | 316L SS | 6-SSL-03 | SL | yes | 1" |
| 99A | 245 SCFM | 316L SS | 9-SSL-00 | SL | yes | 2" |
| 95A | 330 SCFM | 316L SS | 9-SSL-01 | SL | yes | 2" |

ORDERING:

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

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 7 | 3 | 1 | 1 | | | | | | | | | | | | | | | | |
|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

Meter Series

Fitting Material

Float Material

O-ring Material

Alarm*

Order Number

316L SS - 2
PVC* - 3
PVDF* - 7

316L SS - 2
Hastelloy® C-276 - 4
Teflon® - 6
PVDF - 7

EPR - 1
Buna-N - 2
Viton® - 3
Kalrez® - 4

No Alarm - 0
With Alarm - A

See Specification above

* Not for air service.

Teflon® is a registered trademark of the Chemours Company

* FLOW RATES MAY VARY FOR METER WITH ALARMS AND TEFLON FLOATS