



There is nothing else like it in the industry. This 75 mm scale glass tube meter offers economical 304 stainless steel case construction with vertical connections.

## DESCRIPTION

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

## PERFORMANCE

- Capacities**  
Water 0.5 to 25 GPM  
Air 2 to 14 SCFM
- Scale**  
80 mm (3")  
direct reading,  
detachable
- Accuracy**  
± 5% of full scale flow
- Turndown**  
10:1
- Repeatability**  
1%
- Max Temperature**  
316L SS fittings  
Gases 250° F (121° C)  
Liquids 200° F (93° C)

- Maximum Pressure**  
316L SS 200 psig  
PVC fittings 150 psig
- Ambient Temperature**  
33° F to 125° F (1° C to 52° C)

## OPTIONS

- Certified Calibrations**  
Conform to ISA RP 16.6
- Scales**  
Any volumetric unit

## SPECIFICATIONS:

| Order Number | GPM Water | Order Number | SCFM Air | Float Number | Float Type | Press.Drop In W.C. | Tube Size  | Tube Number | Connection Size |
|--------------|-----------|--------------|----------|--------------|------------|--------------------|------------|-------------|-----------------|
| 41W          | .5        | 41A          | 2.0      | 1/2-LPG-04   | LP         | -                  | 4G (.50")  | 1/2-24-G-3  | 1/2" - FNPT     |
| 42W          | 1.0       | 42A          | 4.0      | 1/2-LPG-05   | LP         | 5                  | 4G (.50")  | 1/2-24-G-3  | 1/2" - FNPT     |
| 43W          | 2.0       | 43A          | 8.2      | 1/2-SLG-01   | SL         | 9                  | 4G (.50")  | 1/2-24-G-3  | 1/2" - FNPT     |
| 44W          | 3.5       | 44A          | 14.0     | 5/8-SLP-01   | SL         | 9                  | 4P (.625") | 5/8-29-P-3  | 1/2" - FNPT     |
| 45W          | 5.6       | 45A          | 22.0     | 5/8-SLP-02   | SL         | 11                 | 4P (.625") | 5/8-29-P-3  | 1/2" - FNPT     |
| 46W          | 7.4       | 46A          | 29.0     | 5/8-SLP-03   | SL         | 15                 | 4P (.625") | 5/8-29-P-3  | 1/2" - FNPT     |
| 61W          | 10.0      | 61A          | 40.0     | 1-GSP-01     | GS         | 16                 | 6P (1")    | 1-35-P-3    | 1" - FNPT       |
| 62W          | 15.0      | 62A          | 68.0     | 1-SLG-02     | SL         | 24                 | 6P (1")    | 1-35-P-3    | 1" - FNPT       |
| 63W          | 25.0      | -            | -        | 1-SLG-01     | SL         | 42                 | 6P (1")    | 1-35-P-3    | 1" - FNPT       |

## NOTE:

Because of the compressible nature of gas, meters used in this service may be subject to float bounce:

- The meter is used in very low pressure applications.
- There is more than two pipe diameters between the meter and a control valve.
- The gas being metered is a low Specific Gravity.

- The meter is operating below 20% of full scale flow.
- Back pressure is insufficient to stabilize the float.

Tubes with the designation "G" have rib-guided floats.  
Tubes designated "P" have pole-guided floats

## ORDERING:

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

| Meter Series | Fitting Material                                 | Float Material                      | O-Ring Material                                      | Order Number                  |
|--------------|--------------------------------------------------|-------------------------------------|------------------------------------------------------|-------------------------------|
| 7 4 6        | 316L SS - 1<br>PVC* - 3<br>* Not for air service | 316L SS - 2<br>Hastelloy® C-276 - 4 | EPR - 1<br>Buna - N - 2<br>Viton® - 3<br>Kalrez® - 4 | See Specification Table Above |