

# Models 65, F65, 150 & F150

## Purgemeters

### Customer Value Proposition:

Porter variable area flowmeters include 65mm and 150mm scale length tube assemblies and are available in either forged body or side-plate construction. Forged body models feature a wrap-around window for full 180° tube visibility and an attractive forged one-piece back anodized aluminum body. Side-plate constructed models are conveniently interchangeable with competitive designs.

Porter control valves, including the exclusive Torque Guard cartridge, can be added to either style flowmeter for precise flow indication and control in one economical unit. Multi-tube side-plate models, ranging from two to six tubes, are available with or without control valves and can include individual inlet and outlet connections or manifold ports according to your specifications.



### Contact Information: Product Features:

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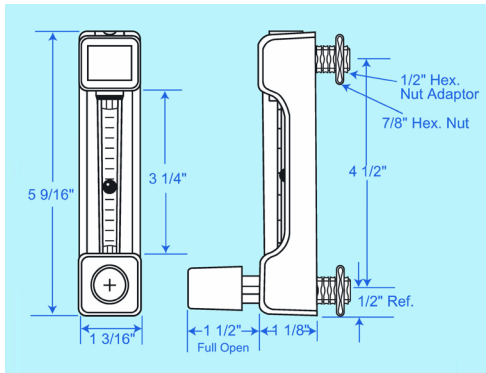
- Interchangeable flow tube assemblies and valves allow configuration changes without removal from process system
- Rib-guided, compression sealed flow tubes for maximum float stability
- Ceramic scales fired on flow tubes against a contrasting background provide high visibility and durability
- Standard or high-resolution metering valves available on inlet or outlet
- Ten-to-one rangeability



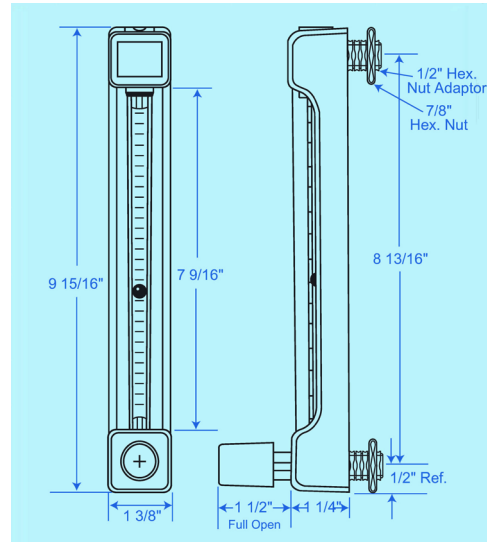
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## Forged Body Flowmeters

The Porter models F65 and F150 forged body flowmeters feature a compact, one-piece, black anodized forged aluminum body with wraparound window for full 180° visibility of the flow tubes. These units are available with aluminum, brass or 316 stainless steel wetted parts.



Model F65

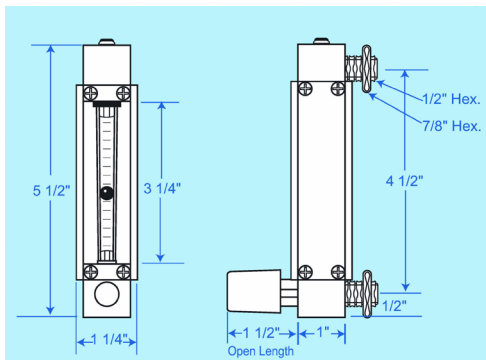


Model F150

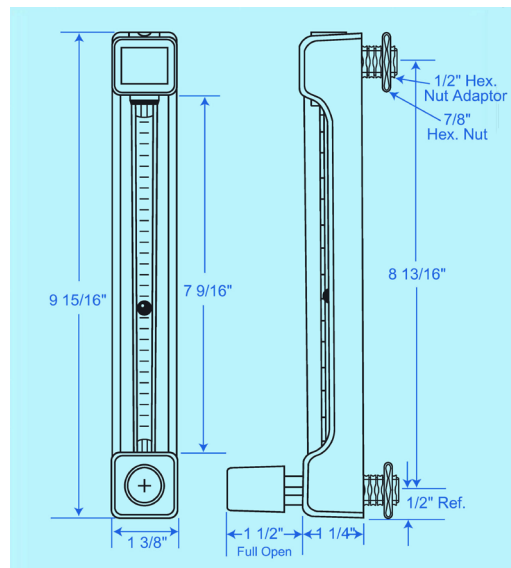
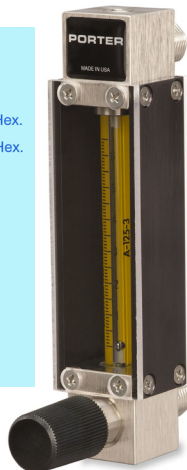


## Side Plate Flowmeters

The Porter models 65 and 150 side plate constructed flowmeters combine a traditional body style with innovative design features. They are available with aluminum, brass or 316 stainless steel wetted parts. Multi-tube (2 to 6 tube) versions are available with optional valves and manifold inlet/outlet ports.



Model 65



Model 150



## Specifications

### Capacities-

Length: Models F65 and 65- 65mm; Models F150 and 150- 150mm.

Type: Fused on metering tube with contrasting yellow background

Graduations: Standard- Models F65 and 65: 0-65mm w/ calibration data; Models F150 and 150: 0-150mm w/ calibration data.

Optional: Direct reading scales

Ratings- Pressure/Temperature: Neoprene packing/ Buna N O-rings- 200 psig at temperatures up to 160°F Viton® packing/Viton O-rings-200 psig at temperatures up to 200°F

Performance- Accuracy: Models F65 and 65: ± 10% full scale; Models F150 and 150: ± 5% full scale. Accuracy specified for 100%- 10% of scale reading ( 10 to 1 rangeability).  
Repeatability: Models F65 and 65: ± 0.5% of full scale reading; Models F150 and 150: ±0.25% of full scale reading.

Connections- Standard: 1/8" female NPT threaded adaptors with locknuts for front panel mounting. Optional: 1/8" compression fitting; 1/4" compression fitting; 1/4" NPT female; 1/4" I.D.Hose.

## To order, Specify:

- Model Number
- Tube Number
- Float Material
- Connections (Type & Size)
- Fluid Specifications (Specific gravity & viscosity)
- Flow Rate
- Operating Pressure
- Operating Temperature
- Material of Construction for
  - a) End fitting
  - b) Side plates or meter body
  - c) Elastomers

## Materials of Construction

Metering Tube- Borosilicate glass

Floats- Standard: glass, stainless steel. Optional: Sapphire, carboloy and tantalum

### Structural Members-

Metering body: (F65 and F150) black anodized aluminum. Optional: stainless steel.

Wetted Parts: Aluminum, brass or 316 stainless steel

End Fittings: Black anodized aluminum or chrome plated brass or 316 stainless steel

Shields- Clear polycarbonate

Tube packing and O-Rings- Standard: Neoprene packing and Buna N O-Rings with aluminum or brass construction. Viton packing and Viton O-rings with stainless steel construction. Optional Materials: Teflon®

## Ordering Information

Model Numbers and Description

Example:

F65	A	V	2
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**Basic Model** \_\_\_\_\_  
F65-65mm Forged Body  
F150-150mm Forged Body  
65-65mm Side Plate Body  
150-150mm Side Plate Body

**Body Material** \_\_\_\_\_  
A- Aluminum  
B- Brass  
S- Stainless Steel

**Valve** \_\_\_\_\_  
O- No Valve  
V- Standard Cartridge Control Valve  
HR- High Resolution Control Valve

**Valve Size** \_\_\_\_\_  
0 thru 6 High Resolution Control Valve  
1 thru 3 Standard Cartridge Valve  
1-TG Torque Guard Taper 1  
2-TG Torque Gurad Taper 2

 **WARNING – USER RESPONSIBILITY**

**FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

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