

P250 Series

Glass Tube Variable Area Flow Meter

The P250 Series flow meters are designed to extend the flow capacity of a traditional purgometer given an outstanding performance for a wide range of water applications.

All wetted materials are constructed of SCS14 (equivalent to 316 SS).

Laser engraved graduations and a magnifying lens provides users with a quick, precise, easy and accurate reading of the flow measurement scale.



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Product Features:

- Ideal for general purpose use, as well as for industrial process applications
- SCS14 (equivalent to 316 SS) construction for challenging corrosive applications
- Front panel mounting hardware
- Easy-to-read scale
- Designed for accurate flow measurement of water applications



ENGINEERING YOUR SUCCESS.

Specifications

Materials of Construction

Wetted	
Body	Standard: • SCS14 (equivalent to 316 SS)
Tapered Tube	Heat-resistant Glass
Float	316 Stainless Steel available
Packing	Standard: • NBR (Nitrile Rubber) Optional: • FPM (Fluorinated Propylene Monomer)
Spindle	Standard: • 316 Stainless Steel
Valve	Standard: • 316 Stainless Steel
Non-wetted	
Support	304 Stainless Steel
Connection Size and Type	Standard: • NPT or RC 3/8"

Performance

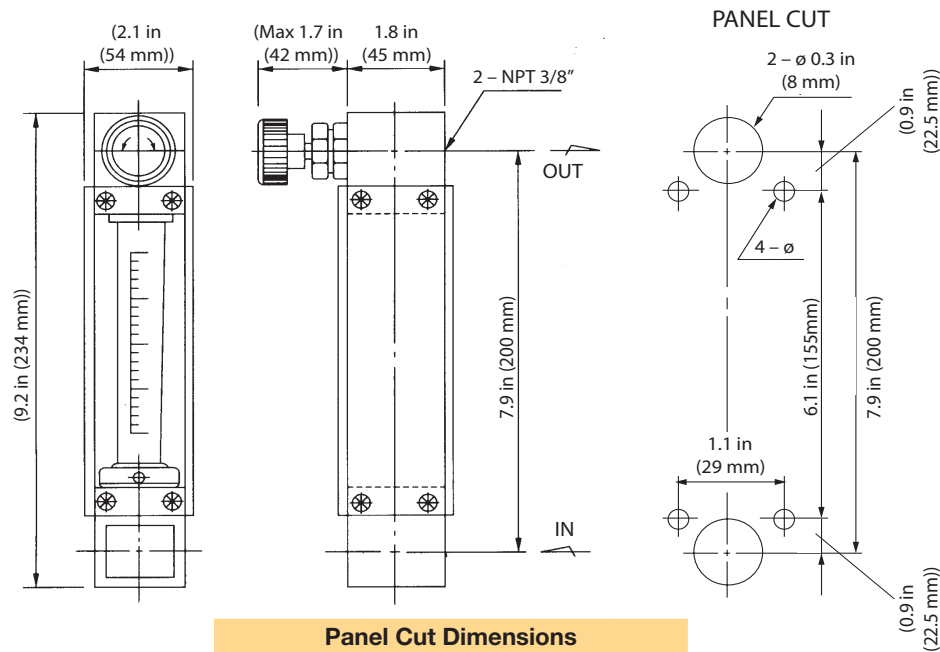
Flow Rate Scale Range	
Water¹	
Minimum	1.6 - 16 Gal/h (6 - 60 L/h)
Maximum	48 - 476 Gal/h (180 - 1800 L/h)
Turndown	10:1
Accuracy	±5% F.S.
Approx. Weight	4 lbs. (2 kg)
Operating Conditions	
Max. Operating Pressure	116 psig (8 barg)
Max. Operating Temperature	
• NBR (Nitrile Rubber)	116°F (80°C)
• FPM (Fluorinated Propylene Monomer)	248°F (120°C)

¹ Liquid equivalent to water density 1.0g/cm³, viscosity 1.0cp

* Maximum 80°C in case of water

Dimensional Drawing

Standard Type Valve Provided at Outlet, Panel Front Thread



Panel Cut Dimensions				
Connection Size	Hole Diameter		Rear Length	
	in	mm	in	mm
3/8" NPT	ø 1.1	ø 28.0	1.0	26.0

Ordering Information

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

The following example describes a P250 Series bottom rear to top rear (standard) flow meter with water flow rates from 6-60 L/hr¹ up to 180-1800 L/hr¹, no valve or alarm, wetted parts of SCS14, FPM/FKM packing material and 3/8" NPT standard thread connection with front panel threaded mounting.

Example: P251A1B1A3A

Model Number, Example and Options									Description
P25	1	A	1	B	1	A	3	A	
Flow / Direction	1								Bottom rear to top rear (standard) Water flow rates from 6-60 L/hr ¹ up to 180-1800 L/hr ¹
	Z								Special
Valve	A								None
	B								Bottom
	C								Top
	Z								Special
Alarm Output	1								None
	Z								Special
Wetted Parts	B								SCS14 (Equivalent to 316 SS)
	Z								Special
Packing Material	1								Fluorinated Propylene Monomer (FPM/FKM)
	2								Nitrile Rubber (NBR)
	Z								Special
Connection Type	A								NPT thread (Standard)
	B								RC thread (Typical for non-USA market)
	Z								Special
Connection Size	3								3/8" (Standard)
	Z								Special
Mounting Options	A								Panel front threaded mounting type
	Z								Special

¹ Water density 1.0g/cm³, viscosity 1.0cp

Application Information

Fluid Name:
Operating Density or Specific Gravity:
Viscosity:
Flow Rate
Maximum:
Operating or Normal:
Scale Range:
Pressure
Maximum:
Operating or Normal:
Temperature
Maximum:
Operating or Normal:

⚠ WARNING – USER RESPONSIBILITY

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