

P260 Series

Glass Tube Variable Area Flow Meter



The P260 Series flow meters are optimized for measuring low flow rates of water, air, and nitrogen, making it ideal for OEM applications.

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



Contact Information:

Parker Hannifin Corporation
Porter Instrument Division
245 Township Line Road
Hatfield, PA 19440

Phone 215 723 4000
Fax 215 723 2199
industrial@parker.com

www.parker.com/porter

Product Features:

- Valve can be placed in bottom or top position
- Laser engraved graduations and magnifying lens make reading flow measurement scale quick and easy
- Ideal for OEM applications
- Standard ranges for N₂, air and water



ENGINEERING YOUR SUCCESS.

Specifications

Materials of Construction

Wetted	
Body	Standard: <ul style="list-style-type: none">SCS14 (equivalent to 316 SS)
Tapered Tube	Heat-resistant Glass
Float	304 Stainless Steel, Glass, PTFE or Ruby
Packing	Standard: <ul style="list-style-type: none">NBR (Nitrile Rubber) Optional: <ul style="list-style-type: none">FPM (Fluorinated Propylene Monomer)
Non-wetted	
Support	6063-T5 Aluminum
Front Panel	Acrylonitrile Butadiene Styrene (ABS)
Scale Panel	Polycarbonate
Connection Size and Type	Standard: <ul style="list-style-type: none">NPT or RC 1/4" with locknuts for front panel mounting

Performance

Flow Rate Scale Ranges	
Water ¹	
Minimum	0.1 - 0.8 Gal/h (0.3 - 3 L/h)
Maximum	6.3 - 32 Gal/h (24-120 L/h)
Air ²	
Minimum	0.02 - 2.1 ft ³ /h (6 - 60 L/h) (nor)
Maximum	300 - 3000 ft ³ /h (720 - 3600 L/h) (nor)
Turndown	10:1
Accuracy	±5% F.S.
Approx. Weight	1.1 lbs. (0.5 kg)
Flow Direction	Bottom rear to top rear
Operating Conditions	
Max. Operating Pressure	116 psig (8 barg)
Max. Operating Temperature	
<ul style="list-style-type: none">NBR (Nitrile Rubber)FPM (Fluorinated Propylene Monomer)	176°F (80°C) 248°F (120°C)

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

² Gases equivalent to Air @ 0°C 1 atm

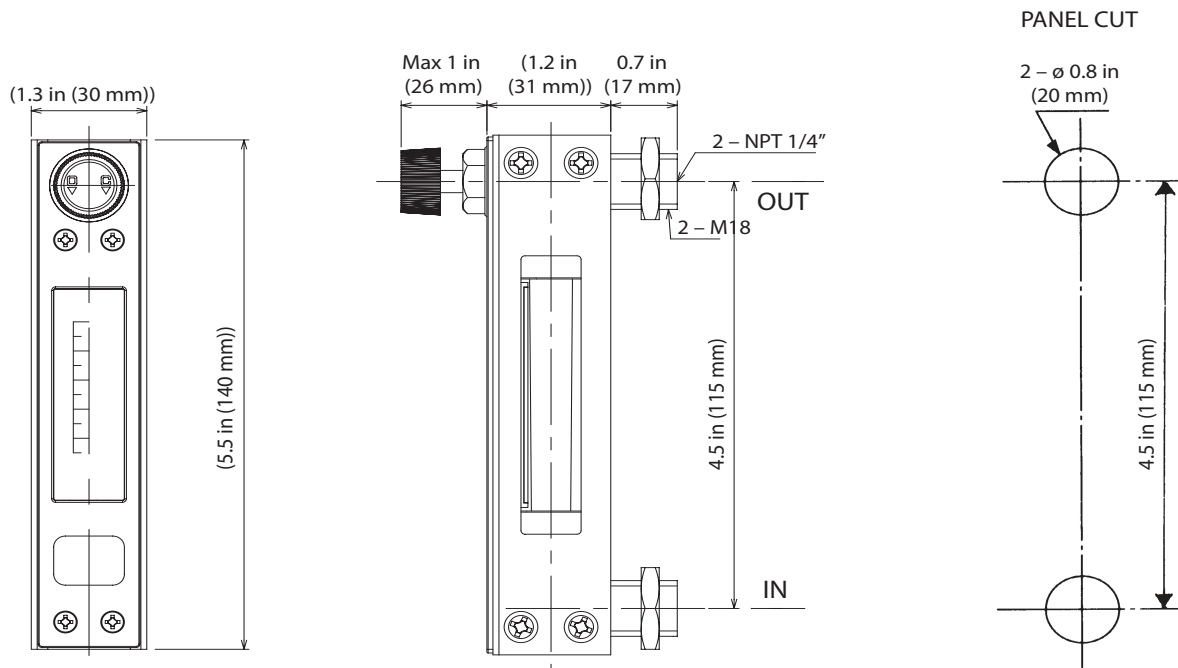
Application Information

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:

Use this Application Information form in conjunction with the Ordering Information on the back cover.

Dimensional Drawing

Standard Type Valve Provided at Outlet



Standard Flow Capacity Ranges

Flow Rate Table

Water ¹		Air ²	
Gal/h	L/h	ft ³ /h	L/h (nor)
0.1 - 0.8	0.3 - 3	0.2 - 2.1	6 - 60
0.2 - 1.6	0.6 - 6		
0.3 - 3.2	1.2 - 12	0.6 - 6.4	18 - 180
0.5 - 4.8	1.8 - 18		
0.8 - 7.9	3 - 30	1.1 - 11	30 - 300
1.6 - 16	6 - 60	2.1 - 21	60 - 600
		4.2 - 42	120 - 1200
		6.4 - 64	180 - 1800
4.8 - 24	18 - 90	8.5 - 85	240 - 2400
6.3 - 32	24 - 120	11 - 106	300 - 3000

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

² Gases equivalent to Air @ 0°C 1 atm

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 air equivalent flow rates from 6-60 nL/hr¹ up to 300-3000 nL/hr¹, water equivalent flow rates from 0.3-3 L/hr² up to 24-120 L/hr², no valve or alarm, wetted parts of SCS14, FPM/FKM packing material and 1/4" NPT thread connection with standard front panel mounting.

Example: P261A1B1A2A

Model Number, Example and Options									Description
P26	1	A	1	B	1	A	2	A	
Flow / Direction	1								Bottom rear to top rear (standard) Air equivalent flow rates from 6-60 nL/hr ¹ up to 300-3000 nL/hr ¹ Water equivalent flow rates from 0.3-3 L/hr ² up to 24-120 L/hr ²
	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	2								1/4"
	Z								Special
Mounting Options	A								None (Standard with locknuts for front panel mounting)
	Z								Special

¹Gases equivalent to Air @ 0°C 1 atmos (normal)

²Liquid equivalent to water density 1.0 g/cm³, viscosity 1.0cp

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.

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Offer of Sale

The items described in this document are hereby offered for sale by Parker-Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the detailed "Offer of Sale" elsewhere in this document or available at www.parker.com/offerofsale.