P750 Series

Flow Meters

Parker P Series metal tube variable area flowmeters (armored rotameters) feature a robust design particularly suited for severe duty applications where safety is a concern. P750 Series flow meters are constructed from 316L stainless steel and feature flange connections, elastomer free all welded construction and an end to end length of 250mm. An available 4-20 mA transmitter option adds versatility.

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

Product Features and Options:

- 316L Stainless Steel metering tube.
- Max temperature: 400°F (204°C).
- Max Pressure: 600 PSIG. (See specifications.)
- Certified calibrations conforming to ISA RP 16.6 available.
- All welded construction, no o-rings or gaskets.
- Optional single or dual inductive slot sensor alarm.
- Scales can be produced in any volumetric unit.
- Standard 250mm end to end dimension.

Parker Porter

Get A Quick Quote (via Porter website)

ENGINEERING YOUR SUCCESS.

Specifications and Dimensions

Description

Metering Tube	316L Stainless Steel
Overall Length	250 millimeters
Internal Components	316L Stainless Steel
Inlet/Outlet Fittings	150# or 300# Flange, Vertical
Indicator Housing	304 Stainless Steel
Flange Material	316L Stainless Steel

Options

Alarm	Single or Dual Inductive Slot Sensor, 4-20 mA Transmitter
Certified Calibrations	Conform to ISA RP 16.6
Scales	Can be produced in any volumetric unit

Performance

Capacities	**Water** 33 GPH to 16.5 GPM **Air** 2.2 SCFM to 76 SCFM
Scale	120 mm Direct reading, Detachable
Accuracy	±3% of Full Scale Flow
Turndown	10:1
Repeatability	1%
Maximum Temperature	400°F (204°C)
Maximum Pressure	**Stainless Steel Flange Class** **Temp** **150#** **300#** 200°F 225psi 600psi 300°F 200psi 540psi 400°F 180psi 515psi
Ambient Temperature	33°F to 125°F (1°C to 52°C)

Ordering Information

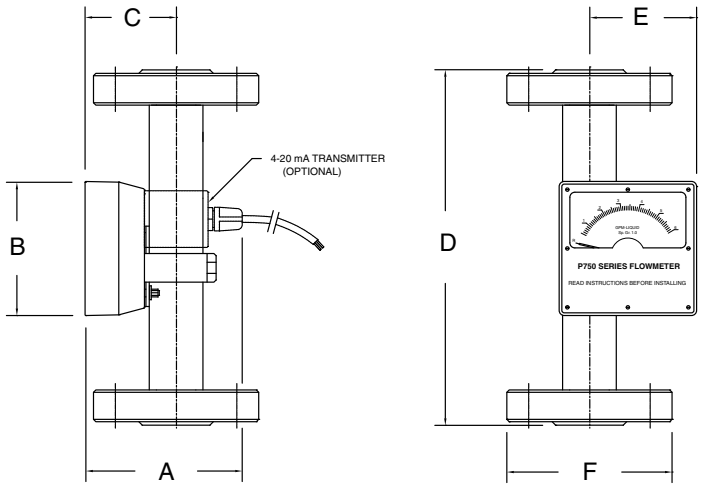
Use the following guide to determine the specific product number you require.

The following example describes a P750 flowmeter with 150# R.F. flanges, 316 stainless steel float, no O-rings, no alarm and a full scale flow rate of 5 GPM water.

Example: P7502200716

P750	2	2	0	0	716
Meter Series	**Connection Type**	**Float Material**	**O-Ring Material**	**Optional Alarm/Transmitter**	**Order Number**
P750	**2** 150# R.F. Flanged **3** 300# R.F. Flanged	**2** 316L Stainless Steel	**0** No O-ring	**0** None **T** With Transmitter **A** One Alarm (Inductive Slot Sensor) **D** Two Alarms (Inductive Slot Sensor)	See Flow Ranges and Dimensions Table

Flow Ranges and Dimensions



Order #	Full Scale Flow GPM – Water	Meter Size	Dimensions(Inches)					150# Flange	300# Flange
			A	B	C	D	E	F	F
706	33.0 GPH	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
708	1.1 GPH	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
710	2.0 GPH	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
712	4.0 GPH	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
716	5.0 GPH	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
718	10.0 GPH	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
720	16.5 GPH	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90

Order #	Full Scale Flow SCFM – Air	Meter Size	Dimensions (Inches)					150# Flange	300# Flange
			A	B	C	D	E	F	F
705	2.2 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
707	4.0 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
709	8.0 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
711	16.5 SCFM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
715	20.0 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
717	42.0 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
719	76.0 SCFM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90

⚠ 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/safety.

FM-1162, Rev 0 April 2010