

P750 Series

Metal Tube 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.



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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.



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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

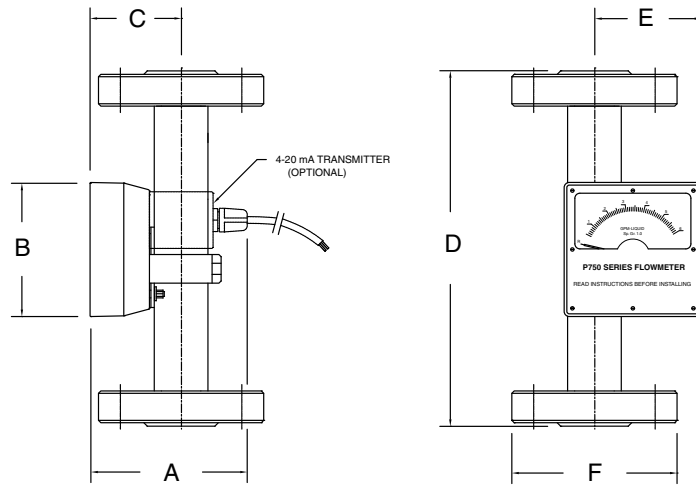
Use the following guide to determine the specific product number you require.

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 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 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
710	2.0 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
712	4.0 GPM	1/2"	5.82	4.90	2.91	9.84	3.83	3.50	3.75
716	5.0 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
718	10.0 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90
720	16.5 GPM	1"	5.82	4.90	3.25	9.84	3.95	4.25	4.90

Order #	Full Scale Flow 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

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