

7750 Series

STAINLESS STEEL TUBE

These 316L stainless steel meters feature flange connections, all welded construction (no O-rings), and an end to end length of 250mm. A float and tapered tube design provides longer, more linear scales. A 4-20mA transmitter option adds to its versatility.



DESCRIPTION

Overall Length	250 millimeters
Metering Tube	316L SS
Internal Components	316L SS
Inlet/Outlet Fittings	150# or 300# flange, vertical
O-Ring	All welded construction, no O-rings or gaskets
Indicator Housing	Die-cast Aluminum / Powder Coated with Chemfilm base (RoHS Compliant) Rated IP66 (Excludes Alarm and Transmitter Cases)
Flange Material	316L SS
Scale	120 mm direct reading, detachable

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)												
	<table border="1"> <thead> <tr> <th>Temp F</th> <th>150#</th> <th>300#</th> </tr> </thead> <tbody> <tr> <td>200°</td> <td>225 psi</td> <td>600 psi</td> </tr> <tr> <td>300°</td> <td>200 psi</td> <td>540 psi</td> </tr> <tr> <td>400°</td> <td>180 psi</td> <td>515 psi</td> </tr> </tbody> </table>	Temp F	150#	300#	200°	225 psi	600 psi	300°	200 psi	540 psi	400°	180 psi	515 psi
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200°	225 psi	600 psi											
300°	200 psi	540 psi											
400°	180 psi	515 psi											
Maximum Pressure	See 150# and 300# SS flange class above												
Ambient Temperature	-40° F to 400° F (-40° C to 204° C)												

OPTIONS

Alarm	Single or dual, Inductive Slot Sensor (Page 57) 4-20 mA transmitter (Page 58)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

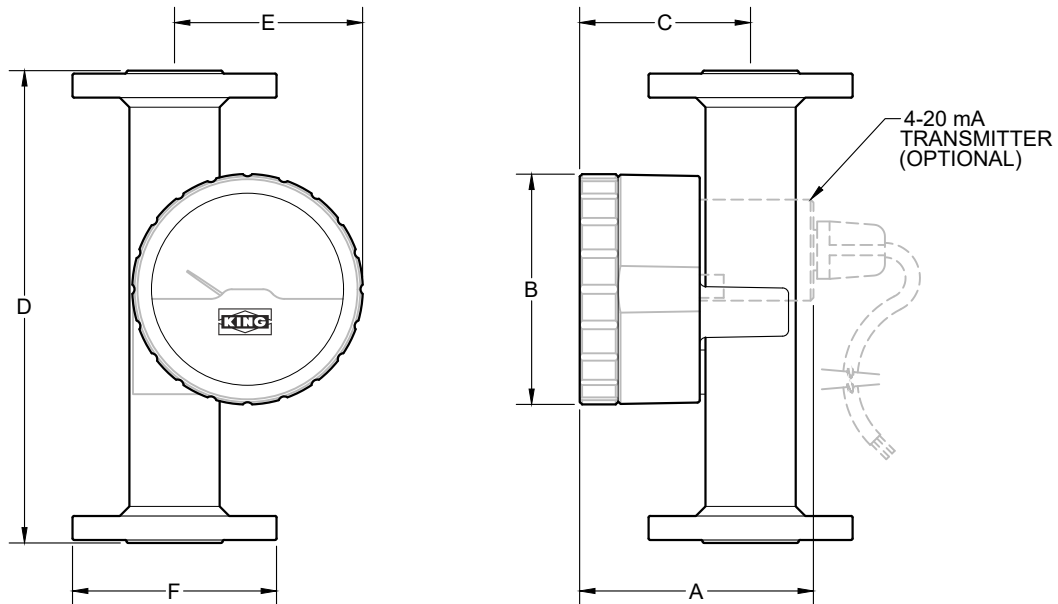
7750 Specifications

STAINLESS STEEL TUBE

Order Number	Full Scale Flow GPM-Water	Meter
706	33.0 GPH	½"
708	1.1 GPM	½"
710	2.0 GPM	½"
712	4.0 GPM	½"
716	5.0 GPM	1"
718	10.0 GPM	1"
720	16.5 GPM	1"

Order Number	Full Scale Flow SCFM - Air	Meter
705	2.2 SCFM	½"
707	4 SCFM	½"
709	8 SCFM	½"
711	16.5 SCFM	½"
715	20 SCFM	1"
717	42 SCFM	1"
719	76 SCFM	1"

DIMENSION DIAGRAMS



Water Order Number	Meter	Dimensions (Inches)					150 # Flange	300 # Flange
		A	B	C	D	E	F	F
706 - 712	½"	4.87	4.80	3.27	9.84	3.67	3.50	3.75
716 - 720	1"	4.87	4.80	3.56	9.84	3.92	4.25	4.88

Air Order Number	Meter	Dimensions (Inches)					150 # Flange	300 # Flange
		A	B	C	D	E	F	F
705 - 711	½"	4.87	4.80	3.27	9.84	3.67	3.50	3.75
715 - 719	1"	4.87	4.80	3.56	9.84	3.92	4.25	4.88

ORDERING:

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

Meter Series	Connection Type	Float Material	O-Ring Material	Alarm/Transmitter	Order Number
7 7 5	150# R.F. Flanged - 2 300# R.F. Flanged - 3	316L SS - 2	No O-ring - 0	None - 0 With Transmitter - T One Alarm - A Two Alarms - D	See Specifications