

7710 Series

STAINLESS STEEL TUBE

This all 316L stainless steel meter utilizes a float and tapered tube design which offers longer, more linear scales, better pointer stability and 40% greater accuracy than competitively priced products. A 4-20mA transmitter option adds to its versatility.



DESCRIPTION

Metering Tube	316L SS
Internal Components	316L SS
Fitting Material	316L SS
Inlet/Outlet Fittings	316L SS NPT or flange, vertical
O-Ring	Standard: Viton® Optional: Buna N, EPR, Kalrez®
Indicator Housing	Die-cast Aluminum / Powder Coated with Chemfilm base (RoHS Compliant) Rated IP66 (Excludes Alarm and Transmitter Cases)

PERFORMANCE

Capacities	Water	33 GPH to 450 GPM		
	Air	4 to 100 SCFM		
Scale	120 mm direct reading, detachable			
Accuracy	± 3% of full scale flow			
Turndown	10:1			
Repeatability	1 %			
Maximum Temperature	O-Ring Material	Max Temperature		
	EPR	225° F (107° C)		
	Buna-N	275° F (135° C)		
	Viton®	350° F (177° C)		
	Kalrez®	400° F (204° C)		
Maximum Pressure	NPT fittings 1,500 psi			
	SS flange class			
	Temp F	150#	300#	600#
	200°	225 psi	600 psi	1,200 psi
	300°	200 psi	540 psi	1,100 psi
	400°	180 psi	515 psi	1,000 psi
Ambient Temperature	-40° F to 125° F (-40° C to 52° 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
CRNs	All Canadian provinces
Scales	Any volumetric unit
High Ambient Temp.	See meter maximum temperature.

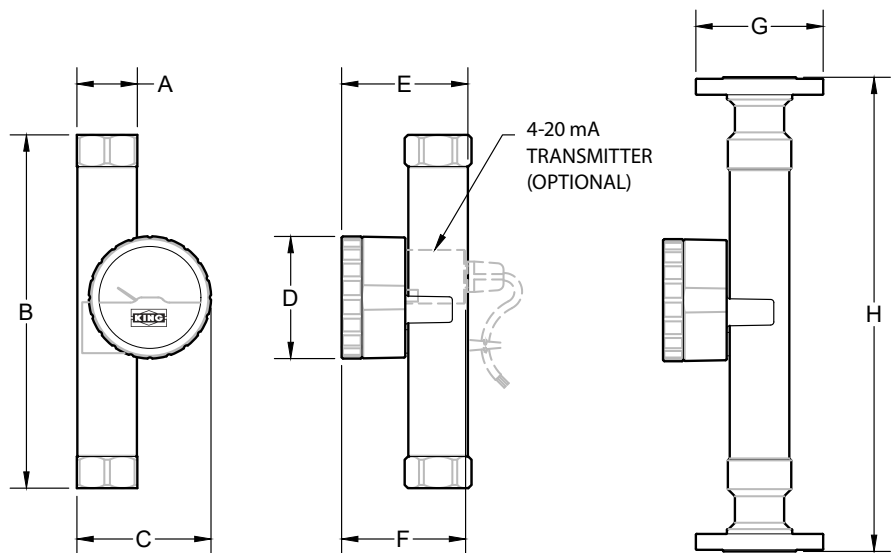
7710 Specifications

STAINLESS STEEL TUBE

Water Order Number	Full Scale Flow GPM - Water
06	33.0 GPM - ½" FNPT/ Flange
08	1.1 GPM - ½" FNPT/ Flange
10	2.0 GPM - ½" FNPT/ Flange
12	4.0 GPM - ½" FNPT/ Flange
14	6.0 GPM - ½" FNPT/ Flange
16	5.0 GPM - 1" FNPT/ Flange
18	10.0 GPM - 1" FNPT/ Flange
20	16.5 GPM - 1" FNPT/ Flange
22	25.0 GPM - 1" FNPT/ Flange
24	35.0 GPM - 1½" FNPT/ Flange
26	60.0 GPM - 1 ½" FNPT/ Flange
28	76.0 GPM - 2" FNPT/ Flange
30	100.0 GPM - 2" FNPT/ Flange
32	120.0 GPM - 2" FNPT/ Flange
34	152.0 GPM - 2" FNPT/ Flange
36	150.0 GPM - 3" Flange
38	225.0 GPM - 3" Flange
40	300.0 GPM - 4" Flange
42	375.0 GPM - 4" Flange
44	450.0 GPM - 4" Flange

Air Order Number	Full Scale Flow SCFM - Air
07	4.0 SCFM - ½" FNPT
09	8.0 SCFM - ½" FNPT
11	16.5 SCFM - ½" FNPT
13	24 SCFM - ½" FNPT
15	20 SCFM - 1" FNPT
17	42 SCFM - 1" FNPT
19	76 SCFM - 1" FNPT
21	100 SCFM - 1" FNPT

DIMENSION DIAGRAMS



Order Number	Dimensions (Inches) FNPT Connections						150 # Flange		300 # Flange	
	A	B	C	D	E	F	G	H	G	H
06 - 14	1.30	11	4.32	4.8	3.92	4.87	3.50	13.125	3.75	13.625
15 - 22	1.88	13.24	4.86	4.8	4.50	4.87	4.25	16.75	4.88	17.500
24 - 26	2.34	13.864	5.24	4.8	4.96	4.87	5.00	18.625	6.12	19.250
28 - 34	3.46	13.875	6.35	4.8	6.08	4.87	6.00	17.156	6.50	17.786
36 - 38	4.46	—	7.26	4.8	7.08	4.87	7.50	17.867	8.25	18.867
40 - 44	5.49	—	8.24	4.8	8.11	4.87	9.00	18.562	10.00	19.696

ORDERING:

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

Meter Series	Connection Type	Float Material	O-Ring Material	Alarm/Transmitter	Scale	Order Number	CRN
Std. Temp - 771	FNPT Connections - 1	316L SS - 2	EPR - 1	None - 0	Standard - 7	See Specifications	Non-CRN - Blank
High Temp - 77H	150# R.F. Flanged - 2		Buna-N - 2	With Transmitter - T	Non Standard - N		CRN Req'd - CRN
	300# R.F. Flanged - 3		Viton® - 3	One Alarm - A			
	600# R.F. Flanged*		Kalrez® - 4	Two Alarms - D			

*Call factory for 600# R.F. flange availability