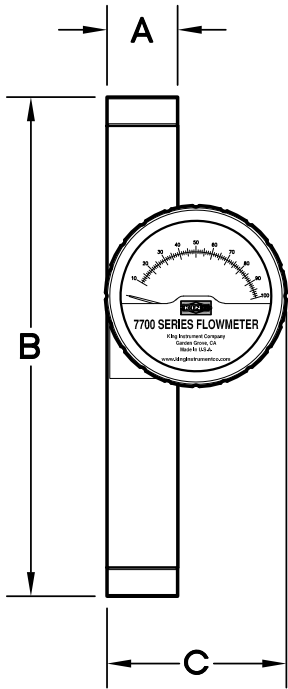


7710 Series Flowmeters



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 Stainless Steel

Internal Components
316L Stainless Steel

Inlet/Outlet Fittings
316L Stainless Steel NPT or Flange, Vertical

Fitting Material
316L Stainless Steel

Elastomers
Standard: Viton®
Optional: Buna N, EPR, Kalrez®

Indicator Housing
Die-cast Aluminum / Powder Coated with Chemfilm base (RoHS Compliant)

PERFORMANCE

Capacities
33 GPH to 450 GPM — Water
4 to 100 SCFM — Air

Scale
120 mm
Direct reading, detachable

Accuracy
± 3% of Full Scale Flow

Turndown
10:1 unless otherwise indicated

Repeatability
1 %

Max 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)

Max Pressure
NPT Fittings — 1,500 psi

Stainless Steel 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 4-20 mA Transmitter

Certified Calibrations
Conform to ISA RP 16.6

Scales
Can be produced in any volumetric unit

SPECIFICATIONS:

Order Number	GPM Water	Dimension (Inches) FNPT Connections			150 # Flange		300 # Flange	
		A	B	C	G	H	G	H
706	33.0 GPH - 1/2" FNPT	1.30	11	4.32	3.50	13.125	3.75	13.625
708	1.1 GPM - 1/2" FNPT	1.30	11	4.32	3.50	13.125	3.75	13.625
710	2.0 GPM - 1/2" FNPT	1.30	11	4.32	3.50	13.125	3.75	13.625
712	4.0 GPM - 1/2" FNPT	1.30	11	4.32	3.50	13.125	3.75	13.625
714	6.0 GPM - 1/2" FNPT	1.30	11	4.32	3.50	13.125	3.75	13.625
716	5.0 GPM - 1" FNPT	1.88	13.24	4.86	4.25	16.75	4.88	17.500
718	10.0 GPM - 1" FNPT	1.88	13.24	4.86	4.25	16.75	4.88	17.500
720	16.5 GPM - 1" FNPT	1.88	13.24	4.86	4.25	16.75	4.88	17.500
722	25.0 GPM - 1" FNPT	1.88	13.24	4.86	4.25	16.75	4.88	17.500
724	35.0 GPM - 1 1/2" FNPT	2.34	13.864	5.24	5.00	18.625	6.12	19.250
726	60.0 GPM - 1 1/2" FNPT	2.34	13.864	5.24	5.00	18.625	6.12	19.250
728	76.0 GPM - 2" FNPT	3.46	13.875	6.35	6.00	17.156	6.50	17.786
730	100.0 GPM - 2" FNPT	3.46	13.875	6.35	6.00	17.156	6.50	17.786
732	120.0 GPM - 2" FNPT	3.46	13.875	6.35	6.00	17.156	6.50	17.786
734	152.0 GPM - 2" FNPT	3.46	13.875	6.35	6.00	17.156	6.50	17.786
736	150.0 GPM - 3" Flange	4.46	—	7.26	7.50	17.867	8.25	18.867
738	225.0 GPM - 3" Flange	4.46	—	7.26	7.50	17.867	8.25	18.867
740	300.0 GPM - 4" Flange	5.49	—	8.24	9.00	18.562	10.00	19.696
742	375.0 GPM - 4" Flange	5.49	—	8.24	9.00	18.562	10.00	19.696
744	450.0 GPM - 4" Flange	5.49	—	8.24	9.00	18.562	10.00	19.696
707	4.0 SCFM - 1/2" FNTP	1.30	11	4.32	3.50	13.125	3.75	13.625
709	8.0 SCFM - 1/2" FNTP	1.30	11	4.32	3.50	13.125	3.75	13.625
711	16.5 SCFM - 1/2" FNTP	1.30	11	4.32	3.50	13.125	3.75	13.625
713	24 SCFM - 1/2" FNTP	1.30	11	4.32	3.50	13.125	3.75	13.625
715	20 SCFM - 1" FNTP	1.88	13.24	4.86	4.25	16.75	4.88	17.500
717	42 SCFM - 1" FNTP	1.88	13.24	4.86	4.25	16.75	4.88	17.500
719	76 SCFM - 1" FNTP	1.88	13.24	4.86	4.25	16.75	4.88	17.500
721	100 SCFM - 1" FNTP	1.88	13.24	4.86	4.25	16.75	4.88	17.500

ORDERING:

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

7	7	1					
Meter Series	Connection Type	Float Material	O-ring Material	Optional Alarm/Transmitter	Order Number		
	FNPT Connections - 1	316L SS - 2	EPR - 1	None - 0	See Specifications		
	150# R.F. Flanged - 2		Buna-N - 2	With Transmitter - T	Table		
	300# R.F. Flanged - 3		Viton® - 3	One Alarm (Inductive Slot Sensor) - A			
	*600# R.F. Flanged		Kalrez® - 4	Two Alarms (Inductive Slot Sensors) - D			

*Call Factory for 600# R.F. Flange availability

