

7720 Series

PVC TUBE

Type 1, Grade 1 PVC tube meters offer chemical resistance. The dial type display makes measuring opaque fluids simple. A 4-20mA transmitter is optional.



DESCRIPTION

Metering Tube	Type 1, grade 1 PVC
Internal Components	Hastelloy® C-276
Fitting Material	Type 1, grade 1 PVC
Inlet/Outlet Fittings	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
Scale	120 mm direct reading, detachable
Accuracy	± 3% of full scale flow
Turndown	10:1
Repeatability	1%
Maximum Temperature	130° F (54° C)
Maximum Pressure	150 psig, sizes 4 & 6 125 psig, sizes 8, 9, 11, 12
Ambient Temperature	33° F to 125° F (1° C to 52° C)

OPTIONS

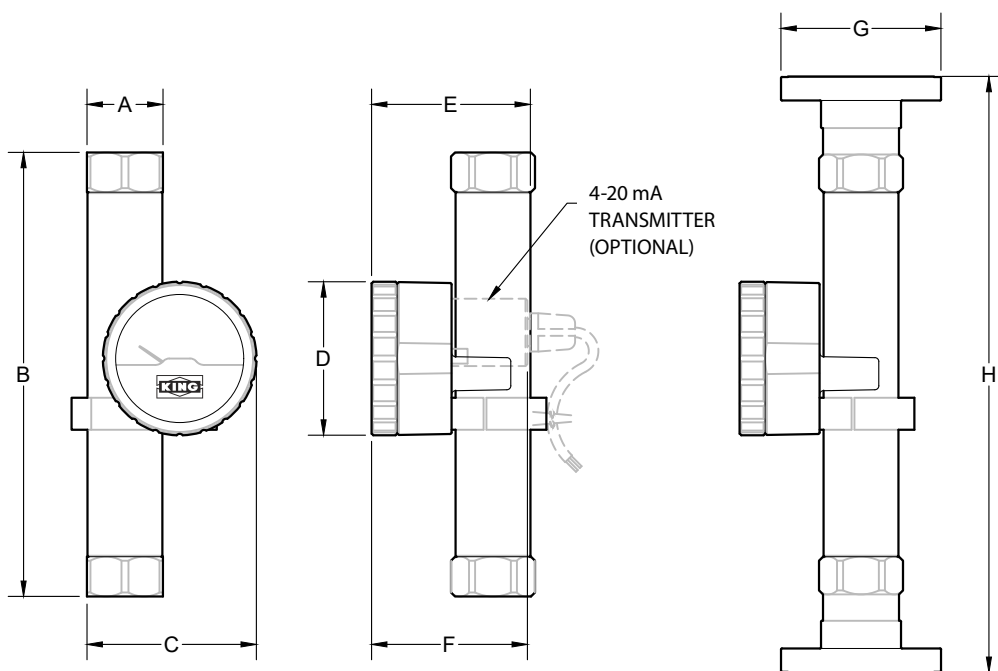
Alarm	Single or dual, Inductive Slot Sensor (Page 57) 4-20 mA transmitter (Page 58)
Certified Calibrations	Conform to ISA RP 16.6
Scales	Any volumetric unit

7720 Specifications

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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 – 1 ½" 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

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
16 - 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
7 7 2	FNPT Connections - 1 150# Flanged - 2 300# Flanged - 3	Hastelloy®C-276 - 4	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	None - 0 With Transmitter - T One Alarm - A Two Alarms - D	Standard - 7 Non Standard - N	See Specifications