



Based on our proven panel-mountable 7430, we offer the vertically-connected 7440 with the same scale lengths, flow rates, and cost-effective performance for low-flow applications such as purge metering and chemical dosing.

DESCRIPTION

- Metering Tube**
Borosilicate Kingglass
- Internal Components**
316L stainless steel, black glass, sapphire, Carboly, tantalum
- Fitting Material**
316L SS
Optional: PVDF
- Inlet/Outlet Fittings**
1/4" FNPT, vertical
- O-Ring**
Standard: Viton®
Optional: Buna N, EPR, Kalrez®

PERFORMANCE

- Capacities**
Water 0.56 to 1,800 cc/min
Air 54 to 70,000 cc/min
- Scale**
65 mm, 150 mm
Direct reading, detachable
- Accuracy**
± 6% of full scale flow, 65 mm
± 4% of full scale flow, 150 mm
- Turndown** 10:1
- Repeatability** 1%
- Maximum Temperature**
Gases 250° F (121° C)
Liquids 200° F (93° C)
- Maximum Pressure**
316L SS fittings 200 psig
PVDF fittings 150 psig
- Ambient Temperature**
33° F to 125° F (1° C to 52° C)

OPTIONS

- Alarm**
Fiber-Optic or
Inductive Ring Sensor
- Certified Calibrations**
Conform to ISA RP 16.6
- Scales**
Any volumetric unit

SPECIFICATIONS:

Tube Number	Float Material	65MM Scale Flow Ranges			150 MM Scale Flow Ranges		
		Air (STP)			Water (70° F)		
		CC/MIN	SCFH	SLPH	CC/MIN	GPH	LPH
1-02-G-021	Glass	66	.14	4.0	0.72	.011	.042
	Sapphire	105	.22	6.2	1.3	.021	.078
	Stainless Steel	200	.42	12.0	3.3	.052	.190
	Carboly	340	.70	20.0	7.0	.110	.420
1-03-G-041	Tantalum	350	.74	21.0	7.8	.125	.460
	Glass	76	.16	4.6	1.15	.018	.068
	Sapphire	120	.25	7.2	2.10	.032	.125
	Stainless Steel	230	.50	14.0	4.20	.068	.260
1-08-G-061	Carboly	400	.85	24.0	9.00	.145	.560
	Tantalum	440	.90	26.0	10.00	.165	.620
	Glass	525	1.1	31	9.0	.14	.54
	Sapphire	700	1.5	42	15.5	.24	.95
1-23-G-081	Stainless Steel	1130	2.4	68	29.0	.46	1.70
	Carboly	1600	3.4	95	46.0	.72	2.80
	Tantalum	1700	3.6	100	50.0	.78	3.00
	Glass	2000	4.2	120	44	.70	2.6
2-14-G-021	Sapphire	2600	5.4	150	68	1.05	4.0
	Stainless Steel	3800	8.2	230	110	1.70	6.6
	Carboly	5600	12.0	340	170	2.70	10.5
	Tantalum	6000	13.0	360	180	2.90	11
2-34-G-041	Glass	6800	14.5	400	160	2.6	9.5
	Sapphire	9200	19.5	540	240	3.8	14
	Stainless Steel	13000	28.0	800	400	6.2	24
	Carboly	19000	40.0	1100	600	9.5	36
2-09-G-002	Tantalum	20000	42.0	1200	640	10.0	38
	Glass	19000	40.0	1150	520	8.25	31
	Sapphire	25000	52.0	1500	740	11.50	44
	Stainless Steel	42500	90.0	2550	1200	19.00	72
2-17-G-022	Carboly	60000	125.0	3600	1700	27.00	105
	Tantalum	70000	145.0	4200	1800	29.00	110
	Glass	850	1.8	50	16.5	.26	1.0
	Sapphire	1100	2.3	66	27.0	.42	1.6
2-27-G-102	Stainless Steel	1600	3.4	100	46.0	.72	2.7
	Carboly	2300	4.9	140	72.0	1.15	4.4
	Tantalum	2450	5.2	155	80.0	1.25	4.8
	Glass	2150	4.6	130	52	.84	3.1
2-09-G-002	Sapphire	2800	6.0	170	78	1.24	4.7
	Stainless Steel	4400	9.2	260	130	2.05	7.8
	Carboly	6200	13.5	380	205	3.20	12.5
	Tantalum	6750	14.0	400	210	3.30	12.5
2-09-G-002	Glass	3800	8.2	230	86	1.35	5.2
	Sapphire	5000	10.6	300	130	2.05	7.8
	Stainless Steel	7500	16.0	450	220	3.40	13.0
	Carboly	10600	22.5	640	330	5.20	20.0
2-17-G-022	Tantalum	11500	24.0	680	360	5.60	21.5
	Glass	9000	19.0	540	215	3.40	13.0
	Sapphire	11400	24.5	700	320	5.00	19.0
	Stainless Steel	17000	36.0	1000	520	8.20	31.0
2-32-G-042	Carboly	24000	50.0	1450	760	12.2	46.0
	Tantalum	25000	54.0	1500	820	13.0	49.0
	Glass	20500	43.0	122	470	7.5	28.0
	Sapphire	26000	56.0	1550	700	11.0	42.0
2-32-G-042	Stainless Steel	38000	82.0	2300	1120	18.0	68.0
	Carboly	54000	116.0	3300	1650	26.0	100.0
	Tantalum	60000	125.0	3500	1750	28.0	106.0
	Glass	20500	43.0	122	470	7.5	28.0

Detail Letter	Scale length	
	65mm	150mm
A	1.525"	1.525"
B	6.03"	10.25"

ORDERING:

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

Meter Series	Tube Number	Float Material	Fitting Material	O-Ring Material	Scale	Optional Alarm Switch
7 4 V	See Specifications Table	Glass - 1 Sapphire - 2 316 SS - 3 Carboly - 4 Tantalum - 5	316L SS - 1/4" FNPT - 1 PVDF - 1/4" FNPT - 2	EPR - 1 Buna-N - 2 Viton® - 3 Kalrez® - 4	Millimeter - 1 GPH Water@70°F - 2 LPH Water@70°F - 3 CC/MIN Water@STP - 4 SCFH Air@STP - 5 SLPH Air@STP - 6 SCC/MIN Air@STP - 7 Non standard - 8	Without Alarm - 0 Fiber-Optic NPN (Proximity) - 1 ⁽¹⁾ Fiber-Optic PNP (Proximity) - 2 ⁽¹⁾ Inductive Ring Sensor (Proximity) - 3 ⁽²⁾ Inductive Ring Sensor (Latching) - 4 ⁽²⁾

⁽¹⁾ Fiber Optic switch is not available for sapphire floats

⁽²⁾ Inductive Ring Sensor is available in the following: 1/8" Floats - Stainless Steel / Carboly

1/4" Floats - Stainless Steel / Carboly / Tantalum