

P04 N042-07

FLOWMETER CALIBRATION DATA

DOCUMENT No. 367

Tube Number: N042-07(G,S,ST,C,T)
Units : std ml/min

Metering Temperature: 70 deg.F
Metering Pressure : 14.70 psia

STD. Conditions: 1 atmos @ 70 deg.F
Accuracy : Standard

SCALE READINGS AT CENTER OF FLOAT

Float Material:	Glass (G)	Sapphire (S)	Stainless Steel (ST)	Carboloy (C)	Tantalum (T)
Float Density :	2.53 g/ml	3.98 g/ml	8.04 g/ml	14.98 g/ml	16.58 g/ml

AIR	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)
	65 ---	5.8	65 ---	8.3	65 ---	16.7	65 ---	33.0	65 ---	34.4
	60 ---	5.2	60 ---	7.5	60 ---	14.8	60 ---	29.9	60 ---	30.0
	55 ---	4.6	55 ---	6.7	55 ---	13.2	55 ---	26.8	55 ---	26.9
	50 ---	4.1	50 ---	5.9	50 ---	11.7	50 ---	24.0	50 ---	24.2
	45 ---	3.6	45 ---	5.2	45 ---	10.2	45 ---	21.3	45 ---	21.5
	40 ---	3.2	40 ---	4.6	40 ---	9.0	40 ---	18.5	40 ---	18.7
	35 ---	2.8	35 ---	3.9	35 ---	7.8	35 ---	16.0	35 ---	16.1
	30 ---	2.4	30 ---	3.3	30 ---	6.5	30 ---	13.6	30 ---	13.7
	25 ---	1.9	25 ---	2.8	25 ---	5.4	25 ---	11.5	25 ---	11.6
	20 ---	1.6	20 ---	2.2	20 ---	4.3	20 ---	9.2	20 ---	9.3
	15 ---	1.3	15 ---	1.7	15 ---	3.2	15 ---	7.5	15 ---	7.6
	10 ---	1.0	10 ---	1.2	10 ---	2.3	10 ---	5.6	10 ---	5.7
	5 ---	0.7	5 ---	0.8	5 ---	1.4	5 ---	3.0	5 ---	3.1

WATER	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)	Scale Readings	Flow (ml/min)
	65 ---	0.065	65 ---	0.084	65 ---	0.283	65 ---	0.615	65 ---	0.655
	60 ---	0.058	60 ---	0.076	60 ---	0.255	60 ---	0.550	60 ---	0.563
	55 ---	0.051	55 ---	0.070	55 ---	0.227	55 ---	0.470	55 ---	0.480
	50 ---	0.046	50 ---	0.063	50 ---	0.200	50 ---	0.400	50 ---	0.410
	45 ---	0.040	45 ---	0.057	45 ---	0.170	45 ---	0.330	45 ---	0.340
	40 ---	0.035	40 ---	0.051	40 ---	0.138	40 ---	0.280	40 ---	0.290
	35 ---	0.031	35 ---	0.045	35 ---	0.110	35 ---	0.235	35 ---	0.250
	30 ---	0.026	30 ---	0.040	30 ---	0.083	30 ---	0.198	30 ---	0.210
	25 ---	0.022	25 ---	0.034	25 ---	0.062	25 ---	0.155	25 ---	0.170
	20 ---	0.019	20 ---	0.029	20 ---	0.047	20 ---	0.120	20 ---	0.130
	15 ---	0.016	15 ---	0.024	15 ---	0.036	15 ---	0.088	15 ---	0.100
	10 ---	0.013	10 ---	0.019	10 ---	0.027	10 ---	0.052	10 ---	0.060
	5 ---	0.011	5 ---	0.015	5 ---	0.015	5 ---	0.024	5 ---	0.030

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