

N044-40

FLOWMETER CALIBRATION DATA

DOCUMENT No. 552

Tube Number: N044-40 (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

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]
<u>A I R</u>									
150 ---	22536	150 ---	29560	150 ---	41512	150 ---	59494	150 ---	62588
140 ---	21127	140 ---	27403	140 ---	39213	140 ---	55744	140 ---	58812
130 ---	19775	130 ---	25289	130 ---	36480	130 ---	51601	130 ---	54821
120 ---	18301	120 ---	23555	120 ---	33904	120 ---	47784	120 ---	50396
110 ---	16721	110 ---	21258	110 ---	30923	110 ---	43289	110 ---	45864
100 ---	15010	100 ---	19252	100 ---	28001	100 ---	39111	100 ---	41407
90 ---	13416	90 ---	17163	90 ---	24960	90 ---	34890	90 ---	36890
80 ---	11699	80 ---	14951	80 ---	22059	80 ---	30801	80 ---	32605
70 ---	10178	70 ---	12941	70 ---	19139	70 ---	26854	70 ---	28335
60 ---	8591	60 ---	11046	60 ---	16263	60 ---	22979	60 ---	24336
50 ---	6999	50 ---	8905	50 ---	13353	50 ---	18873	50 ---	19956
40 ---	5430	40 ---	6996	40 ---	10495	40 ---	14956	40 ---	15742
30 ---	3947	30 ---	5074	30 ---	7772	30 ---	11195	30 ---	11810
20 ---	2430	20 ---	3240	20 ---	5095	20 ---	7352	20 ---	7842
10 ---	962	10 ---	1389	10 ---	2397	10 ---	3542	10 ---	3830

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]
<u>W A T E R</u>									
150 ---	541	150 ---	806	150 ---	1288	150 ---	1881	150 ---	2001
140 ---	508	140 ---	759	140 ---	1215	140 ---	1773	140 ---	1885
130 ---	470	130 ---	704	130 ---	1140	130 ---	1658	130 ---	1775
120 ---	431	120 ---	650	120 ---	1053	120 ---	1547	120 ---	1640
110 ---	395	110 ---	593	110 ---	965	110 ---	1411	110 ---	1500
100 ---	355	100 ---	530	100 ---	868	100 ---	1263	100 ---	1368
90 ---	313	90 ---	470	90 ---	771	90 ---	1136	90 ---	1222
80 ---	274	80 ---	411	80 ---	678	80 ---	1000	80 ---	1071
70 ---	231	70 ---	355	70 ---	578	70 ---	868	70 ---	920
60 ---	193	60 ---	296	60 ---	488	60 ---	730	60 ---	782
50 ---	156	50 ---	240	50 ---	397	50 ---	610	50 ---	640
40 ---	120	40 ---	185	40 ---	315	40 ---	472	40 ---	500
30 ---	84	30 ---	130	30 ---	222	30 ---	355	30 ---	365
20 ---	45	20 ---	80	20 ---	141	20 ---	222	20 ---	239
10 ---	15	10 ---	30	10 ---	57	10 ---	103	10 ---	106

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