For a complete library of rotameter calibration data, visit:
http://www.mathesongas.com/gas-handling/rotameter-FAQ

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UNITS : SLPM 1-BUTENE
TUBE NUMBER : 603 (E500)
SERIAL NUMBER : TYPICAL
FLOAT MATERIAL: 316 ST. STL.

DATE : 08-01-71
STD CONDITIONS : 1 ATMOS. &70 DEG F
GAS TEMPERATURE : 70 DEG F
PRESSURE IN TUBE : 0 PSIG

E5031-BU.DAT

SCALE READING	FLOW RATE	SCALE READING	FLOW RATE	SCALE READING	FLOW RATE	SCALE READING	FLOW RATE
150.0	3.9404	110.0	3.1192	70.0	2.1584	30.0	0.9935
149.0	3.9205	109.0	3.0974	69.0	2.1319	29.0	0.9619
148.0	3.9005	108.0	3.0755	68.0	2.1051	28.0	0.9302
147.0	3.8805	107.0	3.0535	67.0	2.0783	27.0	0.8984
146.0	3.8606	106.0	3.0313	66.0	2.0513	26.0	0.8665
145.0	3.8406	105.0	3.0091	65.0	2.0242	25.0	0.8345
144.0	3.8206	104.0	2.9868	64.0	1.9969	24.0	0.8024
143.0	3.8007	103.0	2.9644	63.0	1.9695	23.0	0.7701
142.0	3.7807	102.0	2.9418	62.0	1.9420	22.0	0.7378
141.0	3.7607	101.0	2.9192	61.0	1.9143	21.0	0.7054
140.0	3.7407	100.0	2.8965	60.0	1.8865	20.0	0.6729
139.0	3.7207	99.0	2.8736	59.0	1.8586	19.0	0.6404
138.0	3.7006	98.0	2.8506	58.0	1.8306	18.0	0.6077
137.0	3.6805	97.0	2.8276	57.0	1.8024	17.0	0.5749
136.0	3.6604	96.0	2.8044	56.0	1.7740	16.0	0.5421
135.0	3.6403	95.0	2.7811	55.0	1.7456	15.0	0.5092
134.0	3.6202	94.0	2.7577	54.0	1.7170	14.0	0.4762
133.0	3.6000	93.0	2.7341	53.0	1.6883	13.0	0.4431
132.0	3.5797	92.0	2.7105	52.0	1.6595	12.0	0.4099
131.0	3.5594	91.0	2.6867	51.0	1.6305	11.0	0.3767
130.0	3.5391	90.0	2.6628	50.0	1.6014	10.0	0.3434
129.0	3.5187	89.0	2.6388	49.0	1.5722	9.0	0.3100
128.0	3.4983	88.0	2.6147	48.0	1.5428	8.0	0.2766
127.0	3.4778	87.0	2.5904	47.0	1.5133	7.0	0.2431
126.0	3.4573	86.0	2.5660	46.0	1.4837	6.0	0.2095
125.0	3.4367	85.0	2.5415	45.0	1.4540	5.0	0.1759
124.0	3.4160	84.0	2.5169	44.0	1.4241		
123.0	3.3953	83.0	2.4921	43.0	1.3941		
122.0	3.3745	82.0	2.4672	42.0	1.3640		
121.0	3.3537	81.0	2.4422	41.0	1.3338		
120.0	3.3328	80.0	2.4171	40.0	1.3034		
119.0	3.3118	79.0	2.3918	39.0	1.2730		
118.0	3.2907	78.0	2.3664	38.0	1.2424		
117.0	3.2696	77.0	2.3409	37.0	1.2117		
116.0	3.2483	76.0	2.3152	36.0	1.1808		
115.0	3.2270	75.0	2.2894	35.0	1.1499		
114.0	3.2057	74.0	2.2635	34.0	1.1188		
113.0	3.1842	73.0	2.2374	33.0	1.0877		
112.0	3.1626	72.0	2.2112	32.0	1.0564		
111.0	3.1410	71.0	2.1849	31.0	1.0250		