

# TRICOR METER SELECTION AND PRESSURE DROP PROGRAM



## CUSTOMER INFORMATION:

DATE: 17/12/15  
 NAME: Ben Metman  
 PROJECT NAME: Sample  
 SELECTED METER: TCM-5500

## INPUT DATA:

FLUID DENSITY: 840 kg/m<sup>3</sup>  
 SYSTEM FLOW RATE: 20 L/m  
 DYNAMIC VISCOSITY: 6 Centistoke (cSt)

	FLOW	VELOCITY	PRESSURE DROP		% MAX FLOW	ACCURACY
1%	0.20 L/m	0.04 m/s	0.035 bar	0.51 psi	0.18% ±	5.556%
5%	1.00 L/m	0.22 m/s	0.044 bar	0.63 psi	0.92% ±	1.191%
10%	2.00 L/m	0.43 m/s	0.054 bar	0.79 psi	1.83% ±	0.646%
15%	3.00 L/m	0.65 m/s	0.065 bar	0.95 psi	2.75% ±	0.464%
20%	4.00 L/m	0.87 m/s	0.077 bar	1.11 psi	3.67% ±	0.373%
25%	5.00 L/m	1.08 m/s	0.088 bar	1.27 psi	4.58% ±	0.318%
30%	6.00 L/m	1.30 m/s	0.099 bar	1.44 psi	5.50% ±	0.282%
35%	7.00 L/m	1.52 m/s	0.111 bar	1.61 psi	6.41% ±	0.256%
40%	8.00 L/m	1.73 m/s	0.123 bar	1.78 psi	7.33% ±	0.236%
45%	9.00 L/m	1.95 m/s	0.135 bar	1.95 psi	8.25% ±	0.221%
50%	10.00 L/m	2.17 m/s	0.187 bar	2.71 psi	9.16% ±	0.209%
55%	11.00 L/m	2.38 m/s	0.209 bar	3.04 psi	10.08% ±	0.199%
60%	12.00 L/m	2.60 m/s	0.233 bar	3.38 psi	11.00% ±	0.191%
65%	13.00 L/m	2.81 m/s	0.258 bar	3.74 psi	11.91% ±	0.184%
70%	14.00 L/m	3.03 m/s	0.284 bar	4.12 psi	12.83% ±	0.178%
75%	15.00 L/m	3.25 m/s	0.311 bar	4.51 psi	13.75% ±	0.173%
80%	16.00 L/m	3.46 m/s	0.339 bar	4.92 psi	14.66% ±	0.168%
85%	17.00 L/m	3.68 m/s	0.369 bar	5.35 psi	15.58% ±	0.164%
90%	18.00 L/m	3.90 m/s	0.399 bar	5.79 psi	16.49% ±	0.161%
95%	19.00 L/m	4.11 m/s	0.431 bar	6.25 psi	17.41% ±	0.157%
100%	20.00 L/m	4.33 m/s	0.463 bar	6.72 psi	18.33% ±	0.155%

