







# Consumables - Scale conversion

## Threads guide

6-40	
6-32	
10-32 - HPLC standard	
1/4"-28 - Low pressure standard	
<b>Metric threads</b>	
M4	
M6	

## Dimensions

mm	Inches
0.10	.004"
0.12	.005"
0.15	.006"
0.25	.010"
0.40	.016"
0.50	.020"
0.75	.030"
1.0	.040"
1.5	.060"
2.0	.080"
4.6	.180"
6.0	.236"
6.4	.253"
7.0	.276"
10.0	.400"
Inches	mm
1/32"	0.8
1/16"	1.6
1/8"	3.2
1/4"	6.4
3/8"	9.5
1/2"	12.7
1"	25.4

## Pressure

psi	BAR	KPa	Atm
1	0.06895	6.8948	0.06805
10	0.6895	68.948	0.6805
20	1.379	137.896	1.361
30	2.0685	206.844	2.0415
40	2.758	275.792	2.722
50	3.4475	344.74	3.4025
60	4.137	413.688	4.083
70	4.8265	482.636	4.7635
80	5.516	551.584	5.444
90	6.2055	620.532	6.1245
100	6.895	689.48	6.805
200	13.79	1378.96	13.61
300	20.685	2068.44	20.415
400	27.58	2757.92	27.22
500	34.475	3447.4	34.025
600	41.37	4136.88	40.83
700	48.265	4826.36	47.635
800	55.16	5515.84	54.44
900	62.055	6205.32	61.245
1000	68.95	6894.8	68.05
1500	103.425	10342.2	102.075
2000	137.9	13789.6	136.1
2500	172.375	17237	170.125
3000	206.85	20684.4	204.15
4000	275.8	27579.2	272.2
5000	344.75	34474	340.25
6000	413.7	41368.8	408.3
7000	482.65	48263.6	476.35
8000	551.6	55158.4	544.4
9000	620.55	62053.2	612.45
10000	689.5	68948	680.5

## Dimensions O.D. tubing



## Column v tubing I.D.

Column ID (mm)	Flow (ml/min)	Tubing ID (mm)
1 to 2.1 mm	0.05 to 0.2	<0.13 mm
2.1 to 3 mm	0.2 to 0.5	0.13 to 0.17 mm
3 to 4.6 mm	0.5 to 1	0.17 to 0.25 mm
4.6 to 10 mm	1 to 10	0.25 mm
10 to 21.1 mm	10 to 25	0.25 to 0.50 mm
50 mm	50 to 100	0.50 to 1.00 mm