

Tolerances – PEEK tubing

Due to tighter tolerances, VICI Jour PEEK tubing is the best choice for chromatography applications in which exact flow rates or tube volume are of importance. The tighter tolerance ensures a more consistent internal volume of transfer lines.

PEEK TUBING		
Tubing OD	OD (±) (mm)	ID (±) (mm)
360 µm	0.025	0.013
1/32"	0.025	0.013
1/16" *	0.025	0.013
1/16" **	0.025	0.025
1/8"	0.050	0.050

* For ID up to 0.25 mm
** For ID over 0.25 mm

Tolerances – polymeric tubing

POLYMERIC TUBING		
Tubing OD	OD (±) (mm)	ID (±) (mm)
360 µm	0.025	0.013
1/32"	0.025	0.025
1/16"	0.050	0.025
1/8"	0.10	0.10
3/16"	0.10	0.10
1/4"	0.10	0.10

Frit volume

Stainless, titanium, and polymer frits

Internal frit volumes are theoretical and are calculated by multiplying the total frit volume by the proportion of the pores in the frit (porosity proportion). Stated frit porosities are only nominal and do not reflect the maximum pore size of a frit. The chart below will help you in selecting the right frit for your application.

Porosity in µm	Max pore size in µm	Particles retained in µm	Porosity in %
0.2	1	≥ 1.0	22
0.5	2	≥ 1.5	26
1	3	≥ 3.0	30
2	5	≥ 3.5 - 5.0	35
5	15	≥ 15.0	38
10	30	≥ 30	40

Standard threads

Following are illustrations of standard threads for VICI Jour fittings. Place your fitting on the drawings below to identify the thread size.

2-56	6-40	10-32	5/16-24	1/4-28	1/2-20
for 360 µm OD tubing	for 1/32" OD tubing	for 1/16" OD tubing	for 1/8" OD tubing	for 1/16" and 1/8" OD tubing	for 1/4" OD tubing
					