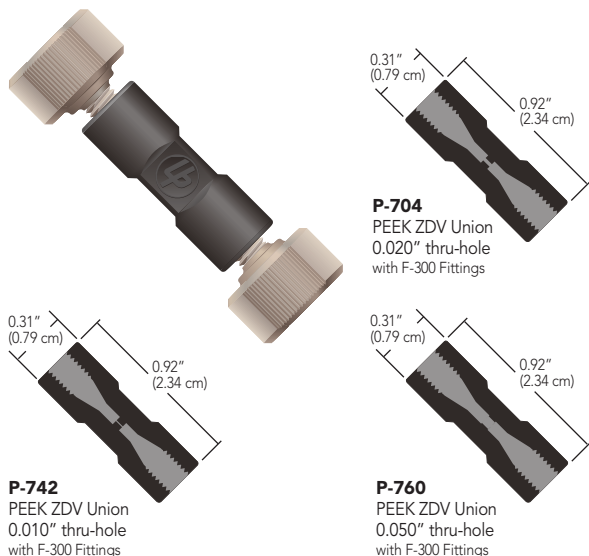


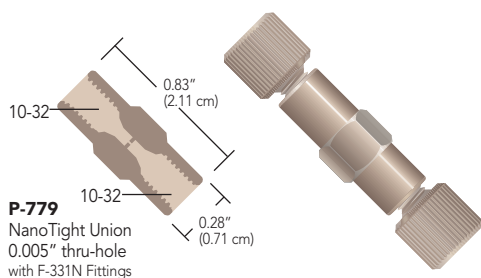
PEEK™ ZDV Unions

Upchurch Scientific® PEEK zero-dead-volume (ZDV) Unions come complete with two F-300 Fingertight Fittings for 1/16" OD tubing and are pressure rated to 5,000 psi (344 bar).



NanoTight™ Unions

Upchurch Scientific NanoTight Union improves capillary tubing connections in several ways. The internal design of the unions greatly reduces the incidence of tubing misalignment. When using 1/16" OD tubing sleeves (found on page 19) to connect capillary tubing, the webbed thru-hole minimizes breaking of fused silica while adding only miniscule swept volume. The results are fewer blockages, fewer flow rate reductions and fewer back pressure problems.

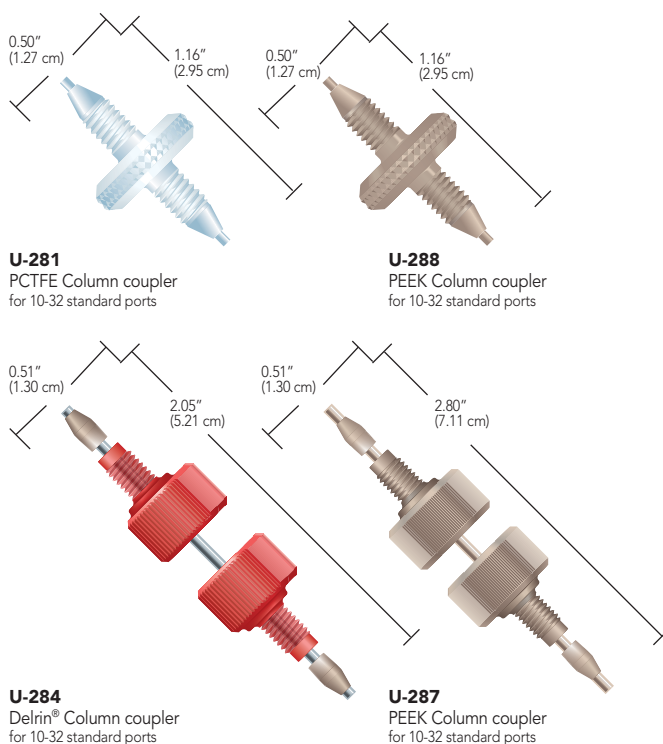


Column Couplers

► Low swept-volume connections

These universal column couplers permit a low swept-volume connection, with minimal loss in column efficiency. These couplers will connect most columns with 10-32 internal threads to a precolumn filter or guard column with the same threads. They may also be used to join two columns in series.

Upchurch Scientific manufactures two styles of column couplers. One version is a single piece that makes coupling columns to guard columns or precolumn filters easy and hassle-free. We also offer our traditional couplers that consist of two Fingertight fittings and a short length of 1/16" OD tubing—an excellent option for reducing overall flow path volume while coupling two devices together reliably.



Part No.	Description	Threads	Includes	Thru-hole	Swept Volume	Pressure Rating
PEEK ZDV UNIONS						
★ P-704	PEEK Union for 1/16" OD Tubing	10-32 Coned	(2) F-300	0.020" (0.50 mm)	0.28 µL	5,000 psi (344 bar)
★ P-742	PEEK Union for 1/16" OD Tubing	10-32 Coned	(2) F-300	0.010" (0.25 mm)	0.07 µL	5,000 psi (344 bar)
★ P-760	PEEK Union for 1/16" OD Tubing	10-32 Coned	(2) F-300	0.050" (1.25 mm)	1.2 µL	5,000 psi (344 bar)
NANOTIGHT UNION						
★ P-779	PEEK NanoTight Union for 1/16" OD Tubing and Tubing Sleeves	10-32 Coned	(2) F-331N	0.005" (125 µm)	8 nL	5,000 psi (344 bar)
COLUMN COUPLERS						
★ U-281	PCTFE Column Coupler	10-32 Coned	N/A	0.020" (0.50 mm)	6.0 µL	4,000 psi (276 bar)
U-283	PCTFE Column Coupler with 0.007" ID Stainless Steel Tubing	10-32 Coned	(2) F-100	0.007" (0.17 mm)	1.3 µL	4,000 psi (276 bar)
U-284	Delrin Column Coupler with 0.007" ID Stainless Steel Tubing	10-32 Coned	(2) F-200	0.007" (0.17 mm)	1.3 µL	5,000 psi (345 bar)
U-287	PEEK Column Coupler with 0.010" ID PEEK Tubing	10-32 Coned	(2) F-300	0.010" (0.25 mm)	3.6 µL	5,000 psi (345 bar)
U-288	PEEK Column Coupler	10-32 Coned	N/A	0.022" (0.56 mm)	7.2 µL	5,000 psi (345 bar)