

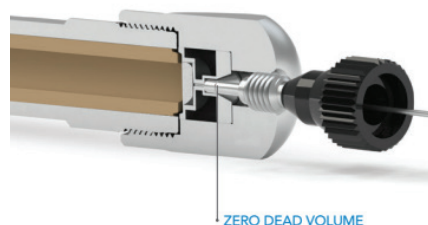
# MarvelXACT UHPLC Tubing

The MarvelXACT™ tubing family consists of 3 formats: all stainless steel for general use, and PEEK-lined stainless or PEEKsil™ for bioinert systems. PEEKsil is a fused silica capillary encased in PEEK and is the most flexible.

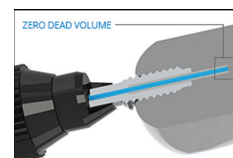


All have an attached fitting with a mechanism that clicks when it reaches optimum torque to reduce over- or under-tightening and assures a leak-free connection every time.

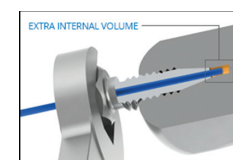
MarvelXACT is compatible with any 10-32 port. The sealing surface makes a zero dead volume (ZDV) connection at the bottom of the receiving port which minimizes carryover risk compared to conventional fittings. It is especially effective for reducing peak tailing and peak broadening in LCMS applications, leading to increased response and higher sensitivity.



- Fingertight to 19,000 psi (130 MPa/1300 bar)
- Flexible 1/32" OD for easy routing behind doors and into valves
- Robust tip for 100+ connections and disconnections
- Identification sleeve with length and ID
- Use for any of these connections:
  - Pump – Mixer
  - Mixer – Injector (Manual or SIL)
  - Injector – Column Switching Valve, Column or Guard Holder Inlet
  - Switching Valve or Column Outlet\* – MS Inlet



MarvelXACT Fitting



Conventional Fitting

\*NOTE: For column outlet connections to other detector flow cells, consult your Shimadzu representative. Detectors such as the SPD-40, SPD-M40, etc. have fixed tubing for the flow cell inlet and outlet that cannot be replaced.

## MarvelXACT UHPLC Tubing

Inner Diameter (µm)	Length (mm)	Volume (µL)	Stainless Steel	PEEK-Lined Stainless	PEEKsil
25	150	0.074	-	220-91246-24	220-91246-44
25	250	0.123	-	220-91246-25	-
25	350	0.172	-	220-91246-26	220-91246-45
25	500	0.245	-	220-91246-27	-
25	600	0.295	-	220-91246-28	220-91246-46
50	150	0.295	-	220-91246-29	220-91246-47
50	250	0.491	-	220-91246-30	-
50	350	0.687	-	220-91246-31	220-91246-48
50	500	0.982	-	220-91246-32	-
50	600	1.178	-	220-91246-33	220-91246-49
75	150	0.663	-	220-91246-34	220-91246-50
75	250	1.104	-	220-91246-35	-
75	350	1.546	-	220-91246-36	220-91246-51
75	500	2.209	-	220-91246-37	-
75	600	2.651	-	220-91246-38	220-91246-52
100	100	0.785	220-91246-12	-	-
100	150	1.178	220-91246-14	220-91246-39	220-91246-53
100	250	1.963	220-91246-06	220-91246-40	-
100	350	2.749	220-91246-11	220-91246-41	220-91246-54
100	500	3.927	220-91246-07	220-91246-42	-
100	600	4.712	220-91246-08	220-91246-43	220-91246-55
125	150	1.841	220-91246-13	-	-
125	250	3.068	220-91246-09	-	-
125	350	4.295	220-91246-15	-	-
125	500	6.136	220-91246-16	-	-
125	600	7.363	220-91246-10	-	-
254	150	7.6	220-91246-17	-	-
254	250	12.667	220-91246-18	-	-
254	350	17.734	220-91246-19	-	-
254	500	25.335	220-91246-22	-	-
254	600	30.402	220-91246-23	-	-

MarvelXACT and PEEKsil are trademarks of IDEX Health & Science, LLC



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