

MarvelXACT™ PEEKsil™

Product Data Sheet



Fused
Silica Tubing



Ultra-high
Pressure



Torque Limiting
Technology



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100%
Bioinert

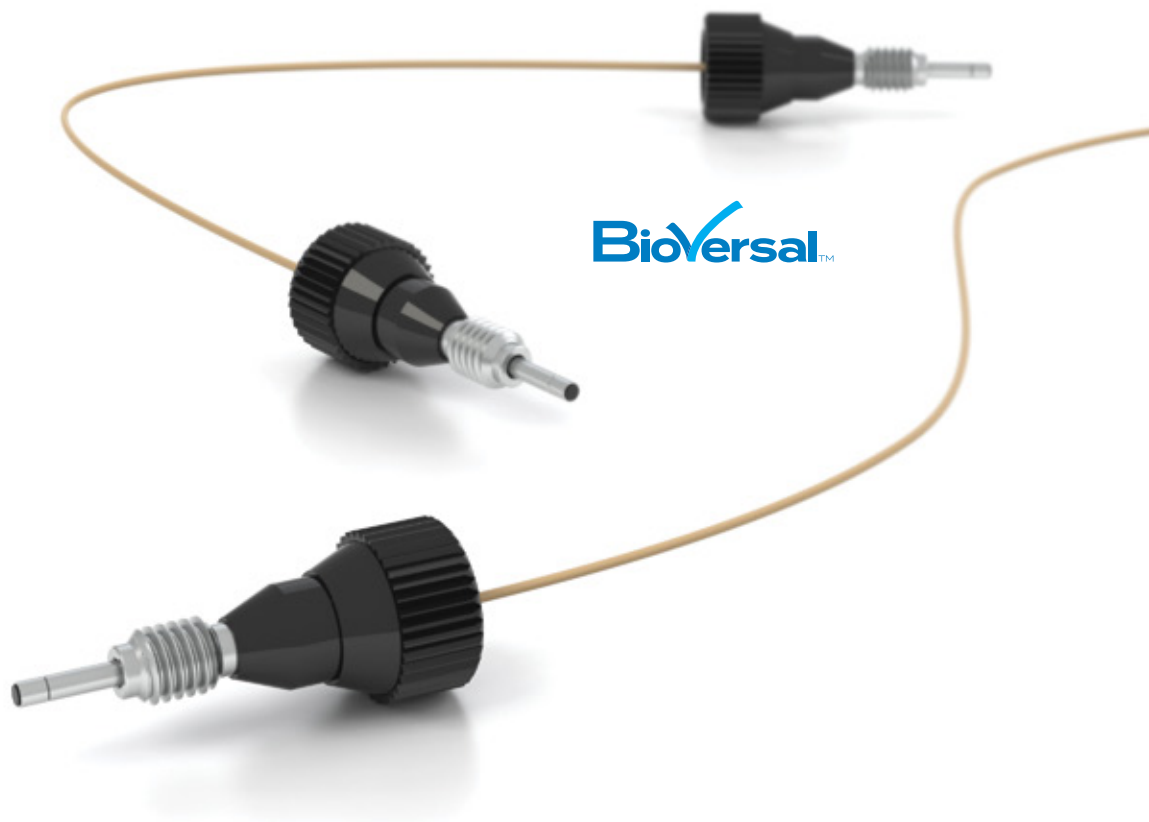


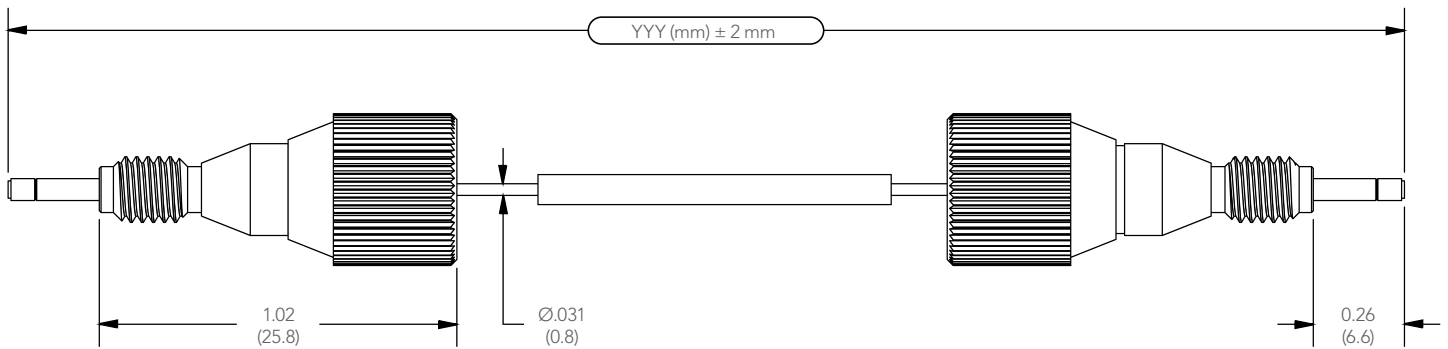
Our bioinert MarvelXACT PEEKsil connection systems utilize patented MarvelXACT fittings and PEEKsil tubing for use in the most demanding UHPLC applications. The MarvelXACT fitting features torque-limiting technology that is finger tight and provides a haptic “click” feedback when it reaches the optimum torque, assuring a perfect zero dead volume connection every time. The robust PEEKsil tubing has smooth silica glass wetted surfaces and is chemically compatible to organic solvents. Each connection system is individually cut, polished, and manufactured to provide industry leading technology that produces superior chromatographic results.

FINGER-TIGHT TO
19,000 psi

REUSABLE
100+
USES

FLAT-FACED
SEALING CONNECTIONS
ZERO
DEAD VOLUME





Technical Specifications

Length:	150 mm	350 mm	600mm
Bio-inert MarvelXACT PEEKsil Connection Systems			
25 µm ID	UPFF-7025150	UPFF-7025350	UPFF-7025600
50 µm ID	UPFF-7050150	UPFF-7050350	UPFF-7050600
75 µm ID	UPFF-7075150	UPFF-7075350	UPFF-7075600
100 µm ID	UPFF-7100150	UPFF-7100350	UPFF-7100600

Product Specifications

Pressure Capability	19,000 psi (~1310 bar, 131 MPa) for Routine Use
Installation Method	Finger-Tighten Until the First "Click" Feedback is Received
Tubing Type	1/32" OD PEEK with 1/16" Rigid Tube Ends
Fitting Type	10-32 Threaded, PEEK Fittings with 316 Stainless Steel Threads
Wetted Material	PEEKsil
Max Temp	120°C (Higher Operating Temperatures May Reduce Performance)
Minimum Tubing Bend Radius	1.0" (~25 mm)
Max Receiving Port	0.020" (~0.4 mm)

Note: The above performance specifications apply to use with appropriately designed receiving ports under optimal conditions, using water for the testing process. If different conditions are used, the expected pressure threshold will be different.

IMPORTANT NOTES

MarvelXACT tubing includes a sleeve to assist in product identification, containing details for ID, length, and part number.



REGULATORY COMPLIANCE

As of the date of the publication, MarvelXACT is compliant with current RoHS regulations.

INSTALLATION INSTRUCTIONS

Finger-tighten until the first "click" feedback is received.

 Learn more at [idex-hs.com/MarvelXACT](https://www.idex-hs.com/MarvelXACT)



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