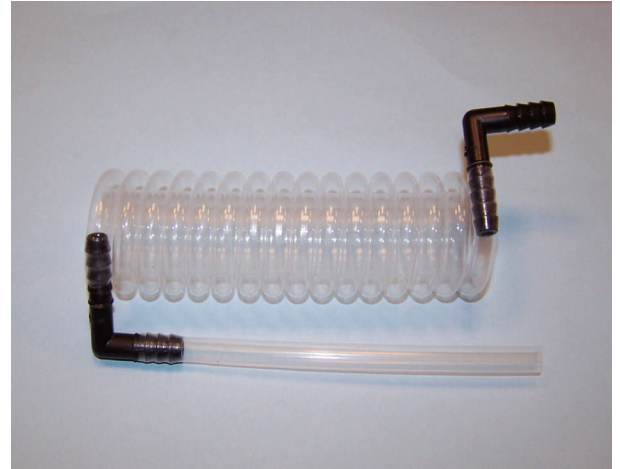


FEP COILED TUBING FOR UV WATER DISINFECTION APPLIANCES

Key Features: Fluorinated ethylene propylene is chemically resistant to most industrial fluids and gasses. It is also resistant to ultraviolet light at the 254nm wavelength used for disinfection; The Markel technique for coiling allows for the highest volume of water to be circulated close to the UV bulb. Water flows counter-clockwise in a left helix and clockwise in a right helix.

The fittings shown can be supplied by Harrington Plastics.



Applications: FEP coils have been used for over ten years in POU water purification devices sold in Asia. The high operating temperature and UV resistance permits “continuous on” operation without damage to the coil. The wall thickness of the tube should be designed to meet the required burst pressure and to permit the required UV transmission. Appliances using FEP coils have received certification by NSF. Coils can be supplied cut to length or in continuous lengths of 78” (2 meters). Fittings are not installed by Markel.

Tube ID (In)	Tube OD (In)	Wall Thk (In)	Coil ID (In)	Coil Helix	Burst Pressure (calc.@50°C) (psi)	Part Number for Bulk Coiled Tube Max. Cont. Length 78”
.200	1/4	0.025	0.750	Left	700	FP04N25D00
1/4	0.270	0.010	0.750	Left	230	FP51N10000
1/4	9/32	0.013	0.875	Right	290	FP51N10CA0
3/8	0.425	0.025	0.875	Left	370	FP55N25A00
7/16	1/2	0.032	1.75	Left	390	FP57N32000
7/16	1/2	0.032	1.75	Right	390	FP57N32P00