

## Very High Pressure PK Fittings

Upchurch Scientific® Ultra High Performance fittings are manufactured from a proprietary PEEK blend (PK) which allow them to be used at higher temperatures (up to 200 °C) and higher pressures.

The VHP PK, One-Piece fittings are available for 10-32 coned, 6-32 coned, or M4 coned ports, and Two-Piece fittings are available to connect either 1/16" or 1/32" OD tubing into 10-32 coned ports in multiple styles.

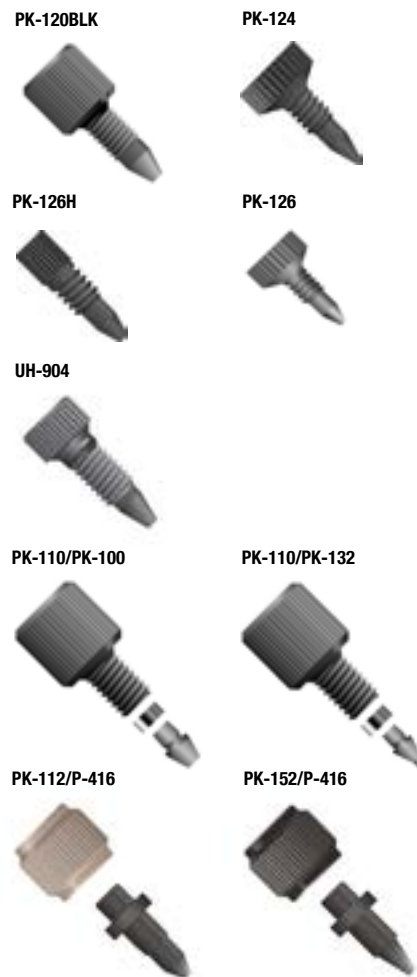
### VHP MicroFerrules

VHP MicroFerrules are made from a proprietary high performance PEEK polymer blend, a material which is unique in its ability to enable the use of capillary tubing in UHPLC environments. The new high pressure MicroFerrules are available for use with 1/32" or 360 µm OD tubing, and they are incorporated into several of our VHP products for capillary tubing.

#### TECH TIP

**CAUTION:** While the proprietary blend of the PK fittings will allow a fitting to attain a higher pressure and minimal cold flow properties relative to pure PEEK, some fittings molded of PK are known to be conductive. Use caution when employing PK fittings in high voltage applications.

While the MicroTight Ferrule Nuts may be used with any of the separate MicroFerrules, the MicroFerrules themselves are port-specific and are thus not interchangeable. Additionally, the one-piece MicroTight fittings are also port-specific and should not be exchanged.



PK VHP FITTINGS							
PART NO	DESCRIPTION	PORT	PRESSURE	REQUIRED TORQUE	HEAD STYLE	MATERIAL	QTY
<b>PK VHP ONE-PIECE FITTINGS</b>							
PK-120BLK	PK One-Piece Fitting for 1/16" OD Tubing	10-32 Coned	12,000 PSI	8.0 in-lbs (0.90 N·m)	Standard Knurl	PK	ea
PK-124	PK One-Piece Fitting for 360 µm OD Tubing	6-32 Coned	15,000 PSI	3.0 in-lbs (0.34 N·m)	Standard Micro Knurl	PK	ea
PK-126H	PK One-Piece Headless Fitting for 1/32" OD Tubing	6-32 Coned	15,000 PSI	3.0 in-lbs (0.34 N·m)	Headless Micro Knurl	PK	ea
PK-126	PK One-Piece Fitting for 1/32" OD Tubing	6-32 Coned	15,000 PSI	3.0 in-lbs (0.34 N·m)	Standard Micro Knurl	PK	ea
UH-904	PK One-Piece Fitting for 1/32" OD Tubing	M4 Coned	15,000 PSI	4.0 in-lbs (0.45 N·m)	Headless Knurl	PK	ea
<b>PK VHP FITTINGS (LITETOUGH® STYLE, NUTS AND FERRULES SOLD SEPARATELY)</b>							
PK-100X	PK Ferrule for 1/16" OD Tubing	10-32 Coned	16,500 PSI	—	—	PK	10/pk
PK-110X	PK Nut for 1/16" OD Tubing	10-32 Coned	16,500 PSI	8.0 in-lbs (0.90 N·m)	Standard Knurl	PK	10/pk
PK-132	PK Ferrule for 1/32" OD Tubing	10-32 Coned	16,500 PSI	—	—	PK	ea
<b>PK MICROFERRULES AND FEMALE NUTS</b>							
P-416	Ferrule Nut for MicroFerrule	5/16-24 Coned	15,000 PSI	4.0 in-lbs (0.45 N·m)	Female Knurl	PEEK, Natural	ea
P-416BLK	Ferrule Nut for MicroFerrule	5/16-24 Coned	15,000 PSI	4.0 in-lbs (0.45 N·m)	Female Knurl	PEEK, Black	ea
PK-112	VHP MicroFerrule for 1/32" OD Tubing	5/16-24 Coned	15,000 PSI	—	—	PK	ea
PK-152	VHP MicroFerrule for 360 µm OD Tubing	5/16-24 Coned	15,000 PSI	—	—	PK	ea