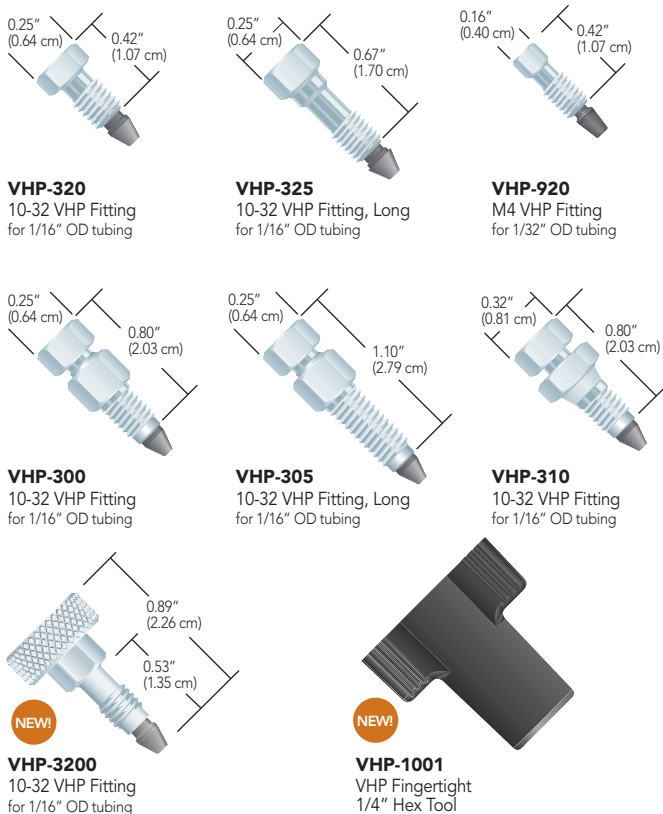


Reusable Very High Pressure (VHP) Fittings

- ▶ Pressure rated up to 25,000 psi (1,720 bar)
- ▶ Patent pending innovative design
- ▶ Capable of up to ten repeat assembly cycles with no impact on pressure holding ability or carry-over
- ▶ Available in 10-32 threads for 1/16" OD tubing and M4 threads for 1/32" OD tubing
- ▶ Materials of construction: stainless steel and proprietary PEEK polymer blend (PK)

IDEX Health & Science introduces an innovative line of Upchurch Scientific® Very High Pressure (VHP) fittings, designed to withstand extreme pressures. This patent-pending line of ground-breaking fitting systems is perfect for use within the increasingly demanding requirements of today's high performance analytical systems.

The Reusable VHP fittings can be reused when following the tightening torque specification listed below. With a polymer front ferrule, there is no damage to the tubing or receiving port, also increasing the life of these components.



APPLICATION NOTE

Reusability

- ▶ Using a reusable fitting eliminates the problems described on stainless steel fitting interchangeability on page 185 of the Technical Resources section. A reusable fitting will allow for quick column, sample loop, inline filter or tubing changes with minimal downtime.
- ▶ The VHP-300, VHP-305, and VHP-310 fittings can be used up to 30,000 psi (2,070 bar) if tightened to 14 in-lbs (1.6 N·m). This limits the reusability to 5 cycles. The stacked design of these fittings allows the user to lightly assemble the fitting before tightening into the port. Leaving the tubing extended at least half an inch beyond the end of the ferrule will ensure that the tubing is bottomed out in the port before the fitting is tightened down, avoiding any potential dead volume that could be introduced during fitting installation.

RELATED PRODUCTS

- ▶ Find tightening tools on page 8 designed to deliver the torque necessary for these fittings.

Part No.	Description	Port	Pressure Rating	Required Torque	Head Style	Material	Qty.
REUSABLE VHP FITTINGS							
VHP-300x	VHP Fitting for 1/16" OD	10-32 Coned	20,000 psi (1,380 bar)	10 in-lbs (1.10 N·m)	1/4" Hex	SST/PK	10-pk
VHP-305x	VHP Fitting for 1/16" OD, Long	10-32 Coned	20,000 psi (1,380 bar)	10 in-lbs (1.10 N·m)	1/4" Hex	SST/PK	10-pk
VHP-310x	VHP Fitting for 1/16" OD	10-32 Coned	20,000 psi (1,380 bar)	10 in-lbs (1.10 N·m)	8 mm Hex	SST/PK	10-pk
VHP-320x	VHP Fitting for 1/16" OD	10-32 Coned	25,000 psi (1,720 bar)	10 in-lbs (1.10 N·m)	1/4" Hex	SST/PK	10-pk
VHP-325x	VHP Fitting for 1/16" OD, Long	10-32 Coned	25,000 psi (1,720 bar)	10 in-lbs (1.10 N·m)	1/4" Hex	SST/PK	10-pk
VHP-920x	VHP Fitting for 1/32" OD	M4 Coned	25,000 psi (1,720 bar)	8 in-lbs (0.90 N·m)	4 mm Hex	SST/PK	10-pk
NEW! VHP-3200	VHP Fitting for 1/16" OD	10-32 Coned	11,000 psi (760 bar)	3.5 in-lbs (0.40 N·m)	1/2" Knurl	SST/PK	10-pk
NEW! VHP-1001	VHP Fingertight 1/4" Hex Tool	—	—	—	—	PPS	ea.