

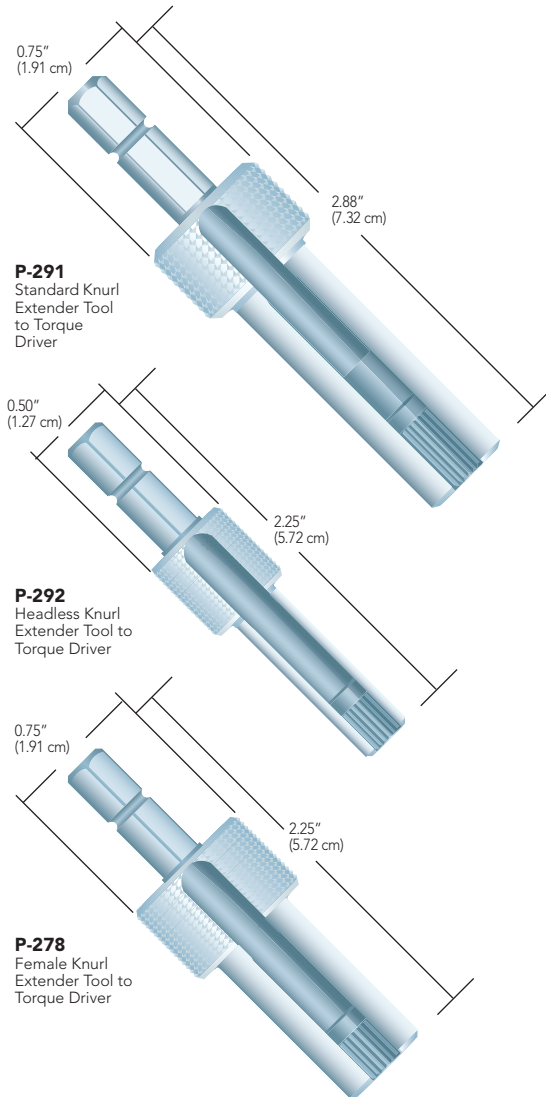
Tightening Tools for VHP Fittings

- ▶ Configured for the optimum torque to provide assurance of a strong connection
- ▶ Prolongs the lifetime of reusable fittings by not overtightening
- ▶ Available for multiple fitting head styles

This new line of tightening tools is designed for the VHP fittings and can also be used with any fitting in this chapter described to have a corresponding head style to the tool listed below. There are three styles of tightening tools available for various applications. The Torque Tools (VHP-1000, VHP-2000, and VHP-3000) are breakaway torque wrenches designed to deliver a precise amount of torque to the fitting system. These torque wrenches come calibrated according to ISO 6789:2003 ($\pm 6\%$ of setting) and have been tested extensively with the reusable VHP fittings on page 6. Choose the appropriate torque delivered and the proper head style to work with the VHP fittings, increasing the ease of use with these fittings.

The VHP-4000 Torque Driver couples with the specially designed Extender Tools listed below and provides an externally adjustable torque setting. This tool along with the appropriate Extender Tools will tighten any Upchurch Scientific® knurled polymer fitting in your system. Reference the head style found in the tables at the bottom of each page for information on the proper Extender Tool to select.

Because of the small hex-head on the M4 fittings (VHP-900 and VHP-920), a custom wrench, the VHP-9000, is available below.



Part No.	Description	Use With Head Style	Torque Delivered	Qty.
VHP TIGHTENING TOOLS				
NEW! F-347	Extender Tool to Torque Driver	FlushNut (1/4-28)	—	ea.
NEW! N-291	Extender Tool to Torque Driver	Micro Headless	—	ea.
NEW! P-268	Extender Tool to Torque Driver	1/4" Hex	—	ea.
P-278	Extender Tool to Torque Driver	Female Nut Knurl	—	ea.
P-279	Extender Tool to Torque Driver	Micro Nut Knurl	—	ea.
P-291	Extender Tool to Torque Driver	Standard Nut Knurl	—	ea.
P-292	Extender Tool to Torque Driver	Headless Nut Knurl	—	ea.
P-1000	Standard Knurl Torque Tool	Standard Knurl	4 in-lbs (0.45 N-m)	ea.
VHP-1000	VHP Torque Tool	1/4" Hex	10 in-lbs (1.13 N-m)	ea.
VHP-2000	VHP Torque Tool	1/4" Hex	14 in-lbs (1.58 N-m)	ea.
VHP-3000	VHP Torque Tool	8 mm Hex	10 in-lbs (1.13 N-m)	ea.
VHP-4000	VHP Torque Driver	Extender Tool 1/4" Drive	Adjustable between 2–12 in-lbs (0.23–1.35 N-m)	ea.
VHP-9000	4 mm Wrench	4 mm Hex	—	ea.