

VHP-300

Very High Pressure Re-Usable Fitting System for 1/16" OD Tubing

Manufacturing Material(s) Used

- ▶ Fitting: 316 Stainless Steel, Proprietary Blend of PEEK™ Polymer
- ▶ Tightening Tool: Delrin®

Published Pressure Limits

IDEX Health & Science LLC states that this product – when used with stainless steel tubing – is capable of a continuous working pressure of 20,000 psi (~1,380 bar).

Please Note: This assumes the use of water at room temperature for the testing conditions; if different conditions are used, the expected pressure threshold will be different.

Temperature Limits

Up to 200 °C, depending upon connection parameters.

Please Note: Higher operating temperatures will reduce the pressure rating for this fitting. Additionally, please note that the temperature rating does not pertain to the tightening tool – only the fitting. The tool carries an upper limit temperature threshold of 50 °C.

Key Dimensions

0.8" long x .25" diameter (across wrench flats);

Please Note: Overall length and diameter measurements do not account for the removable tightening tool; 10-32 coned external thread.

Fitting Type

Can be used with any standard 1/16" OD rigid or semi-rigid tubing.

Harmonized Tariff Schedule (HTS) Code

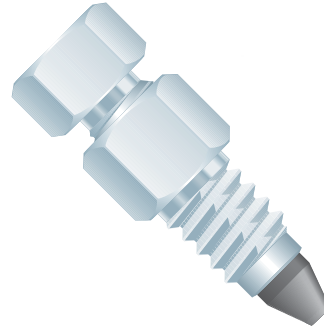
- ▶ Fitting: 7307.29.0090
- ▶ Tightening Tool: 8204.11.0030

Regulatory Compliance Information

This product is compliant with current RoHS, WEEE, REACH and similar regulations.

Country of Origin

United States of America



VHP-300 — 10-32 Stainless Steel Nut with PEEK ferrule
for 1/16" OD tubing

Important Notes

Product requires tightening to 12 inch-pounds – roughly equivalent to ½-turn past finger tight – to achieve pressure rating stated above. Pressure rating may be lower when the removable knurled tightening tool is used, depending upon overall tightening torque generated. Manufactured at the Oak Harbor facility of IDEX Health & Science, home of Upchurch Scientific® and Ismatec® products, from material originating in the United States.

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