

Pure-Flo® Zero Static with Upstream Sample and Downstream Purge (ZUD)

The Zero Static Upstream Sample and Downstream Purge valve allows for point of use sampling of the upstream flow, purging and sterilization of the downstream process, and sampling from the same Zero Static valve.

Engineered Valves

Typical Applications

• A single use point with multiple outlets for purging and steam sterilization of the downstream line and sampling of the upstream line

Specifications

Standard Sizes:

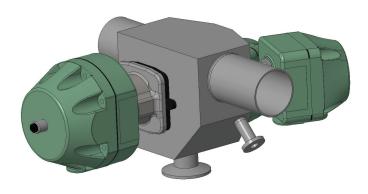
- 0.5" 4" (DN 15 100) Main Valve size
- 0.5" 4" (DN 15 50) Run size
- 0.5" BT Sample valve*
- 0.5" PF Purge valve
- Other sizes available upon request Materials:
- 316L ASTM A479
- DN 177440, 1.4435
- AL6XN
- Hastelloy C-22 & C-276
- Other materials available upon request Standard End Connections:
- 14, 16, 18, 20 Gauge OD tubing
- DIN/ISO
- Tri-Clover Tri-Clamp®

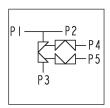
• Others available upon request End Connections:

• P4 as standard is 0.75" Tri-Clamp connection

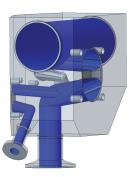
• P5 as standard is 0.5" Tri-Clamp connection Compatible with standard Pure-Flo topworks: See PFTOP for details on available manual bonnets or actuator.

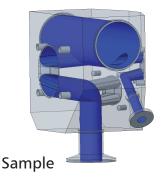






Flow Path





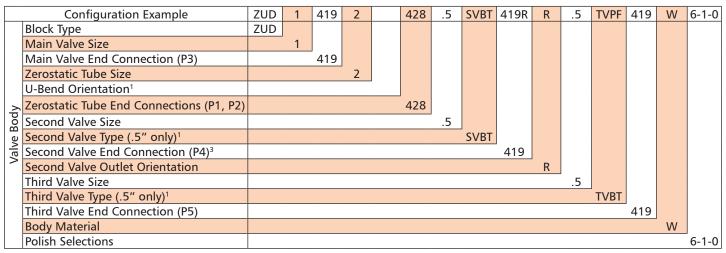
Purge

How to Order a Zero Static with Upstream Sample and

Downstream Purge

1" ZUD wrought stainless steel body with 0.5" Bio-Tek Upstream Sample (right side) and 0.5" Pure-Flo Downstream Purge. Tri-Clamp main valve end connection. 2" Zero Static tube size with 16 ga buttweld ends. (Sample valve with 0.75" reducing ferrule and purge valve with 0.5" Tri-Clamp end connection.) 25 Ra interior finish, standard exterior finish (Scotch Brite).

Figure Number: ZUD-1-419-2-428-.5-SVBT-419R-R-.5-TVBT-419-W-6-1-0



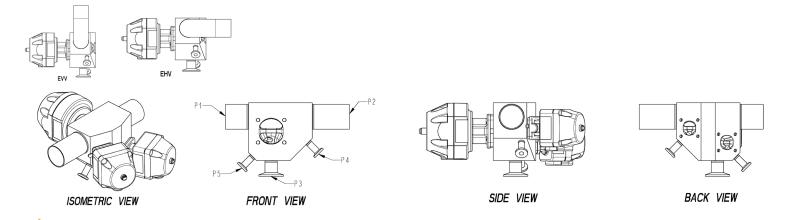
¹ For a U-Bend Vertical Tube, enter VV. For Horizontal Tube, enter HV. See drawings below for vertical tube and horizontal tube examples.

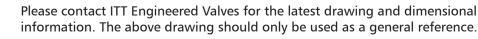
² For .5 inch valve, must specify Pure-Flo (PF) or Bio-Tek (BT). PF is recommended for steam applications. .5" sample port is available upon request.

³ 419R refers to .75 x .5 reducing Tri-Clamp port connection required for drainability.

Note: All second and third valve options shown above are standard.

To add topworks, see BBTOP. For additional figure numbers, see PFORD.





ITT Engineered Valves 33 Centerville Road Lancaster, PA 17603, USA Tel: +1 (717) 509-2200

Cam-Line, Cam-Tite, Dia-Flo, EnviZion, Pure-Flo, Skotch ITT Engineered Valves 1110 Bankhead Avenue Amory, MS 38821, USA Tel: +1 (662) 256-7185 Fabri-Valve ITT Bornemann GmbH 31683 Obernkirchen Germany Tel: +49 5724 390-0

EnviZion, Pure-Flo