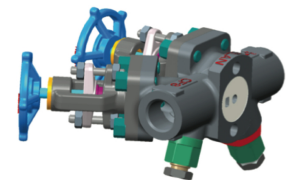



COMPARISON SHEET

VELAN VTCS TRAP CONNECTOR STATION VS. CONVENTIONAL PISTON VALVE STATION

<h2>VELAN VTCS</h2> 	<h2>Conventional Piston Valve Station</h2> 
<p>ASME CLASS RATED</p> <p>VTCS is designed and tested to ASME B16.34 VTCS is rated to ASME CLASS 600 100% of VTCS undergo hydrostatic shell testing, seat test and backseat test in accordance with API 598</p>	<p>NON ASME CLASS RATED</p> <p>Piston valve stations do not comply with the requirements of ASME B16.34 Piston valve station bodies are not ASME Class rated Testing does not comply with API 598</p>
<p>GLOBE VALVES</p> <p>VTCS employs the use of globe valves for all isolation points. Torque-seated operation provides positive shutoff despite erosion and mechanical wear over time</p>	<p>PISTON VALVES</p> <p>Piston valves are position-seated devices. Once leakage occurs, there is no way to close the valve other than replacement</p>
<p>API TRIM #5 STANDARD</p> <p>VTCS is available as standard with solid Stellite 6 disc, Stellite 6 seat, and 13 Cr 410 stainless stem, meeting the requirements of API Trim #5</p>	<p>API TRIM DESIGNATION NOT AVAILABLE</p> <p>Piston valve lantern rings are not available with Stellite hardfacing. Plug surface cannot be hardfaced to meet the requirements of API Trim #5</p>
<p>OS & Y VALVE DESIGN</p> <p>The outside stem and yoke design of the VTCS globe valves provides exceptional strength for the stem and valve drive mechanism. Side loading due to valve wrench usage does not damage stem mechanism</p>	<p>NO EXTERNAL SUPPORT FOR STEM</p> <p>The stem of the piston valve serves as both the drive mechanism and yoke of the valve. Side loading due to valve wrench usage can easily lead to stem deformation and failure of the valve</p>
<p>HORIZONTAL VALVE ORIENTATION</p> <p>The horizontal valve orientation of the VTCS reduces vertical clearance requirements of condensate manifold branch lines by up to 6" per unit</p>	<p>VERTICAL VALVE ORIENTATION</p> <p>The vertical valve orientation of most piston valve stations requires additional vertical clearances on condensate manifold branch lines</p>
<p>AVAILABLE IN CARBON STEEL BODY</p> <p>VTCS is available in carbon steel body material. This allows welding to A106 piping material without the use of dissimilar metal welding procedures</p>	<p>NOT AVAILABLE IN CARBON STEEL BODY</p> <p>Piston valve stations are only available in cast stainless steel body material. This prevents welding to A106 piping in plants that forbid dissimilar metal welding procedures</p>