



# Pure-Flo<sup>®</sup> & EnviZion<sup>®</sup> High Purity Diaphragm Valves

Product Selection Guide



**ITT**

ENGINEERED FOR LIFE

# Vessel Valves

## Tank Bottom Valve (TBV)

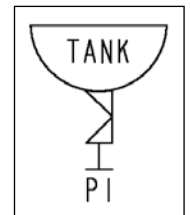
The Tank Bottom Diaphragm Valve is designed for use at the bottom of a tank or vessel to drain or sample while minimizing the interior sump and preventing any dead leg for bacteria or microorganism entrapment.

Typical Applications:

- Creating an aseptic barrier around bioreactors



Patent # 5,227,401



## Sterile Tank Vent Filter Shunt (DV2WS)

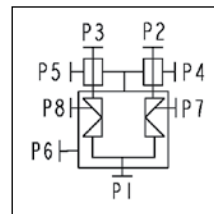
The DV2WS is a 2-Way Divert valve designed to facilitate changing from one vent filter to another on WFI storage tanks without interrupting operations.

Normally vent filter cartridges are not changed during operation due to potential for contamination. Large systems designed for continuous use often require two separate vent filtration units. The Sterile Filter Shunt valve is a sterilizable tank vent shunt valve assembly mounted on a single nozzle designed for this purpose.

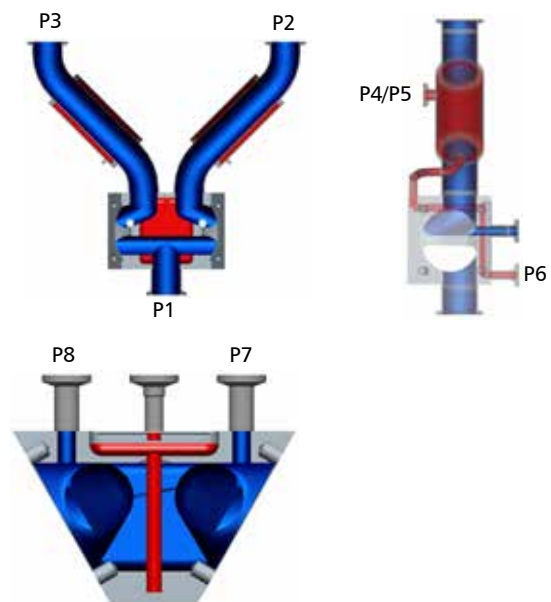
The steam traced version of this valve when used with a steam jacketed filter housing, will prevent condensation from forming inside the filter housing. The assembly consists of a 2-way divert valve. The upstream side of the valve is connected to the two filter housings. The common port is connected to the tank vent nozzle. A steam condensate discharge port is positioned tangential to the weir of both valves. Two additional valves are used to close the condensate port after sterilization. These valves in turn are connected to a steam trap which then goes to drain.

Typical Applications:

- Used to change a vent filter cartridge on a WFI tank while the system is in operation



Flow Path





ENGINEERED FOR LIFE

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 Industries Ltd.  
Weycroft Avenue,  
Millwey Rise Industrial Estate  
Axminster, EX13 5HU, United Kingdom  
Tel: +44 1297-639100

**EnviZion, Pure-Flo**