



VALVE AND FLOW CONTROL SPECIALISTS
SERVICE AND RELIABILITY

Stainless Steel U Syphons for Steam

Figure PTS-UMM (male/ male) / PTS -UMF (male/ female)



VCS Pressure gauge syphons follow the traditional BS / EN dimensions which are sized conservatively for steam engineering principles. These are designed for horizontal installation in pipework (use a pigtail for vertical).

These syphons protect the pressure gauge from the effects of hot pressure media such as steam and also to reduce the effect of rapid fluctuation pressure surges. The pressure medium forms a condensate and is collected inside the coil or loop portion of the syphon. The condensate prevents the hot media from coming in direct contact with the pressure gauge. When the syphon is first installed, it should be filled with water or other suitable separating liquid.

Size Range: ¼", 3/8" and ½"

Pipe threads to BSPP BSPT NPT

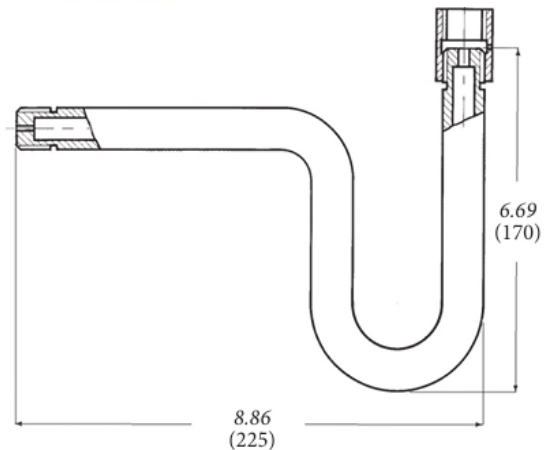
Max 3981psi @20 Deg C NPT

1230psi @250 Deg C 1450psi @ 100 Deg C

If using BSPP remember you will need either a copper gasket or bonded washer of which we can also supply.

NOTE THESE ARE A SINGLE OR FLAT PLANE U SYPHON.

ALSO AVAILABLE IS THE SIDE MOUNT TYPE WITH LEFT OR RIGHT



Carbon steel is suitable for most saturated steam applications and has been the traditional choice of material of pigtail or U syphon construction for some 200 years.

You may find due to the reduced costs of stainless since the early 2000's this material is a cost-effective alternative. 304 stainless is more than enough on saturated steam service. There is no advantage in going to 316 unless on an aggressive chemical service.

We recommend using gauge bleed valves in preference to ball valves on instrument isolation.

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