

Syphons Type PSY

Application.

Pigtail and vertical syphons are commonly used to protect pressure instruments from heat-induced failure. Made from 316L stainless steel our standard syphons are rolled from 1/2" or 3/8" diameter schedule 80 pipe and have safe working pressures up to 400bar. The syphon uses trapped condensate as a protective barrier isolating the pressure instrument from steam. This is a cost effective method of protection.

Note that the syphon can only be used with non-filled systems however Benney supplies a range of heat necks for filled systems.

Configuration.

Benney's standard syphons are made from 3/8" or 1/2" schedule 80 316L stainless steel pipe.

Installation.

When installing a syphon it is good practice to add 200ml of water or product to the syphon before fitting the instrument. This will give protection immediately. Heat from the process will transform this to condensate for correct operation.

Process Connections.

3/8" BSPT Male.

1/2" BSPT Male.

3/8" NPT Male.

1/2" NPT Male.

Other connections available upon request.

Material.

316L schedule 80 stainless steel standard.

Other pipe specifications and materials available upon request.

Instrument Connection.

1/4" BSPP female and male.

3/8" BSPP female and male.

1/4" BSPT female and male.

3/8" BSPT female and male.

1/2" BSPT female and male.

1/4" NPT female and male.

3/8" NPT female and male.

1/2" NPT female and male.

Other connections available upon request.

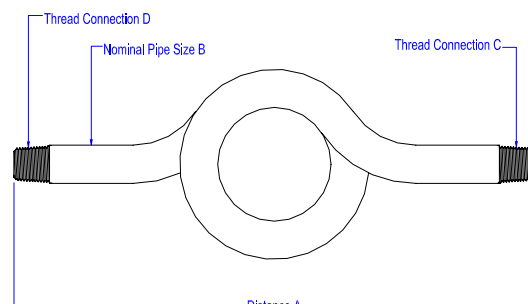
Pressure Rating.

400bar maximum process pressure for sch 80 316L Stainless Steel.

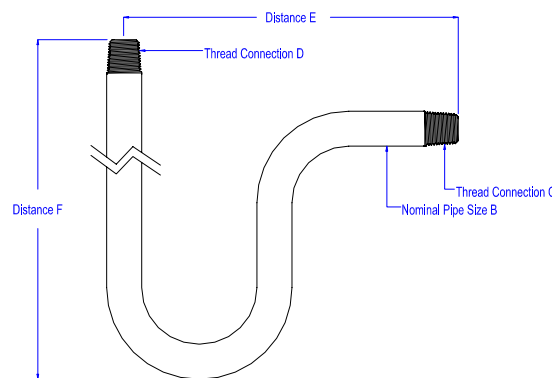
Higher pressure available upon request.



gs-psy



gs-psy-1



gs-psy-2

Standard Pigtail Syphon configuration.

Size	"A"	"B"	"C"	"D"
3/8"	280	3/8"	3/8" BSPT	3/8" BSPT
1/2"	315	1/2"	1/2" BSPT	1/2" BSPT

*All Dimensions are in millimetres.

Standard Vertical Syphon configuration.

Size	"B"	"C"	"D"	"E"	"F"
1/2"	1/2"	1/2" BSPT	1/2" BSPT	200	385

*All Dimensions are in millimetres.