

## 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" diameter schedule 40 pipe and have safe working pressures up to 160bar. 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 1/2" schedule 40 316 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 Connection.

1/2" NPT Male (standard).

Other connections & adaptors available upon request.

### Material.

316 schedule 40 stainless steel standard.  
Other pipe specifications and materials available upon request.

### Instrument Connection.

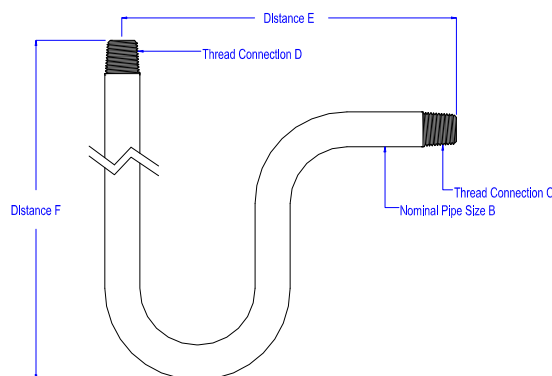
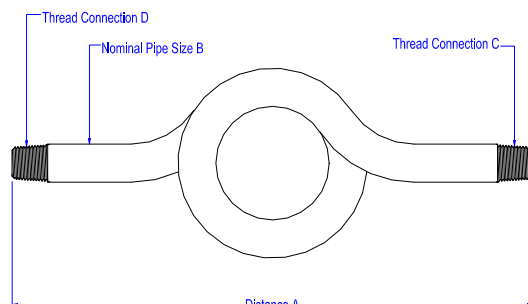
1/2" NPT female (standard).

Other connections & adaptors available upon request.

### Temperature & Pressure Ratings.

Max working temp (°C)	Max working pressure (bar)
120	160
300	140
400	131

Higher pressure available upon request.



### Standard Pigtail Syphon configuration.

Size	"A"	"B"	"C"	"D"
1/2"	230	1/2"	1/2" NPT	1/2" NPT

\*All Dimensions are in millimetres.

### Standard Vertical Syphon configuration.

Size	"B"	"C"	"D"	"E"	"F"
1/2"	1/2"	1/2" NPT	1/2" NPT	225	200

\*All Dimensions are in millimetres.