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# GAUGE SIPHONS



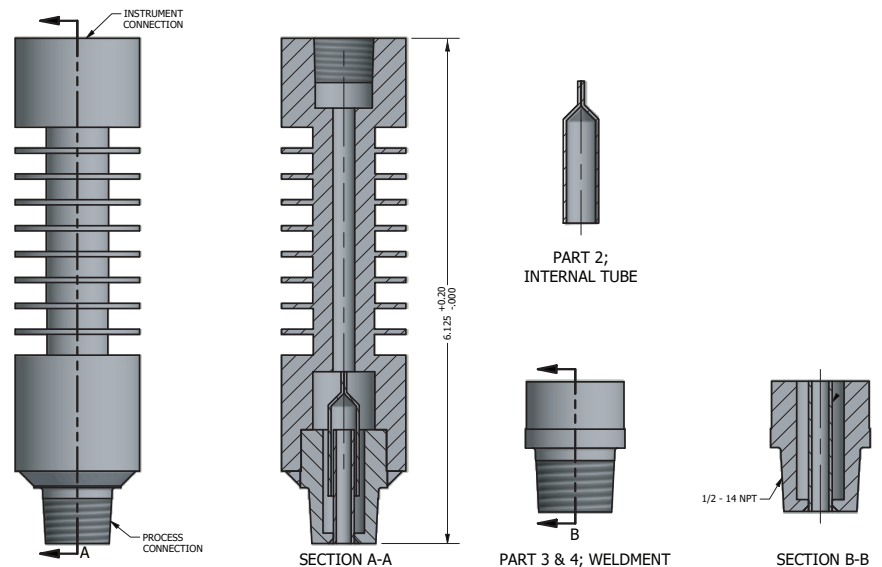
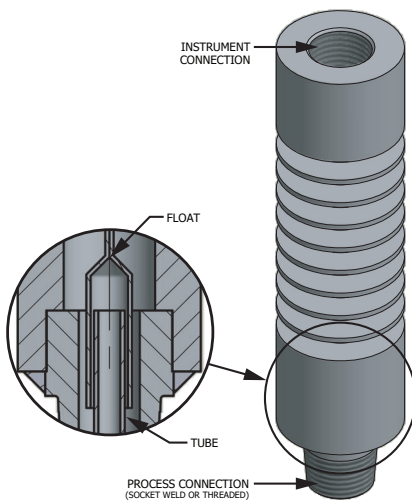
## Finned Gauge Siphon

**Finned Siphon – Designed for Steam up to 75% heat loss allows the instrument to work within its designed field.**

Our engineered finned siphon serves to create a condensate barrier between the live steam and the pressure instrument. Low coefficient of conduction heat of standard materials allows for a predictable temperature of the pressure instrumentation.

### Features:

- Socket weld or threaded connections.
- Socket weld will eliminate emission controls.
- Cost savings compared to traditional "pigtail" style.
- Compact design, reduces installation space.



Materials: 316/L SS, Carbon Steel, F11 | Canadian Registration Number | ISO-9001-2008

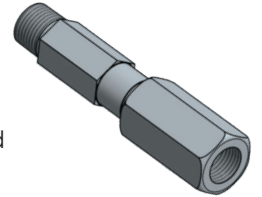


## Compact Gauge Siphon (Hex Style)

Our hex gauge siphon is a cost effective way to maximize gauge life, made from solid bar to produce a compact rigid mount, and easy installation.

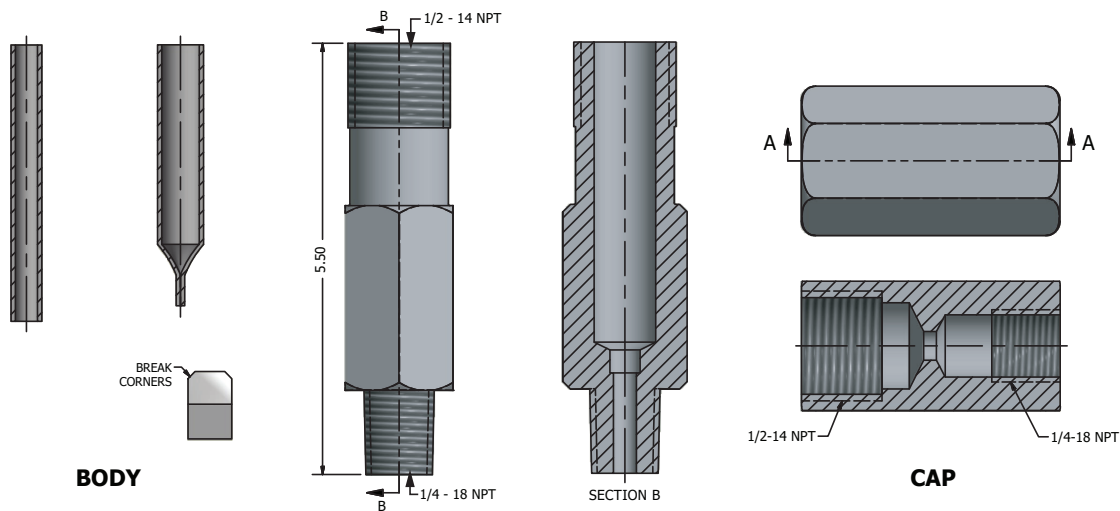
### Features:

- Eliminates the old style pig tail.
- Reduces gauge shock or whip.
- Compact-closer installations.
- Provides a thermal barrier between hot vapors and the pressure gauge or transmitter.



### Freeze Protection:

- Filling the siphon with glycol forms a barrier to prevent freezing of instruments on wet air-lines. Filling the siphon with kerosene it acts as a freeze protection for liquid service installations.



### Material Options

Material	Body	Tube	Insert	Design Pressure @ 100°F	Design Pressure @ 700°F	Hydrotest (10 Min. Minimum)	Design Standard
Carbon Steel	SA105	SA269 or SA213 TP316/316L	SA105	4400 PSIG	3250 PSIG	6600 PSIG	B31.3
316	SA479 316/316L	SA269 or SA213 TP316/316L	SA479 316/316L	3750 PSIG	3000 PSIG	5625 PSIG	B31.3
304	SA479 304/304L	SA269 or SA213 TP316/316L	SA479 304/304L	3750 PSIG	3000 PSIG	5625 PSIG	B31.3
Hastelloy C-276	SB574 N10276	SB622 N10276	SB574 N10276	5000 PSIG	4500 PSIG	7500 PSIG	B31.3
Monel-400	SA164 N04400	SB165 N04400	SA164 N04400	3100 PSIG	2400 PSIG	4650 PSIG	B31.3

The above information is provided for reference purposes only. It is the responsibility of the end user/ system designer to select a suitable product type considering: and application to the overall system design, size, material compatibility, temperature and pressure ratings to achieve safe, reliable and trouble free performance.

North America's Leading Instrumentation Hardware Manufacturer



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Pressure Vessels



Valves & Manifolds



Specialty Products

## Gauge Finned Siphon Heat Loss Chart (Stainless Steel)

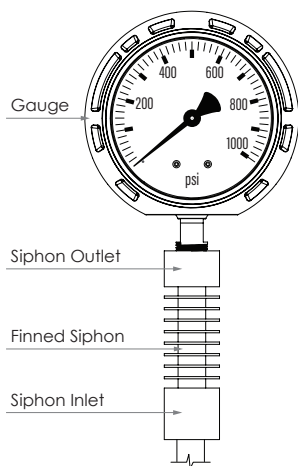
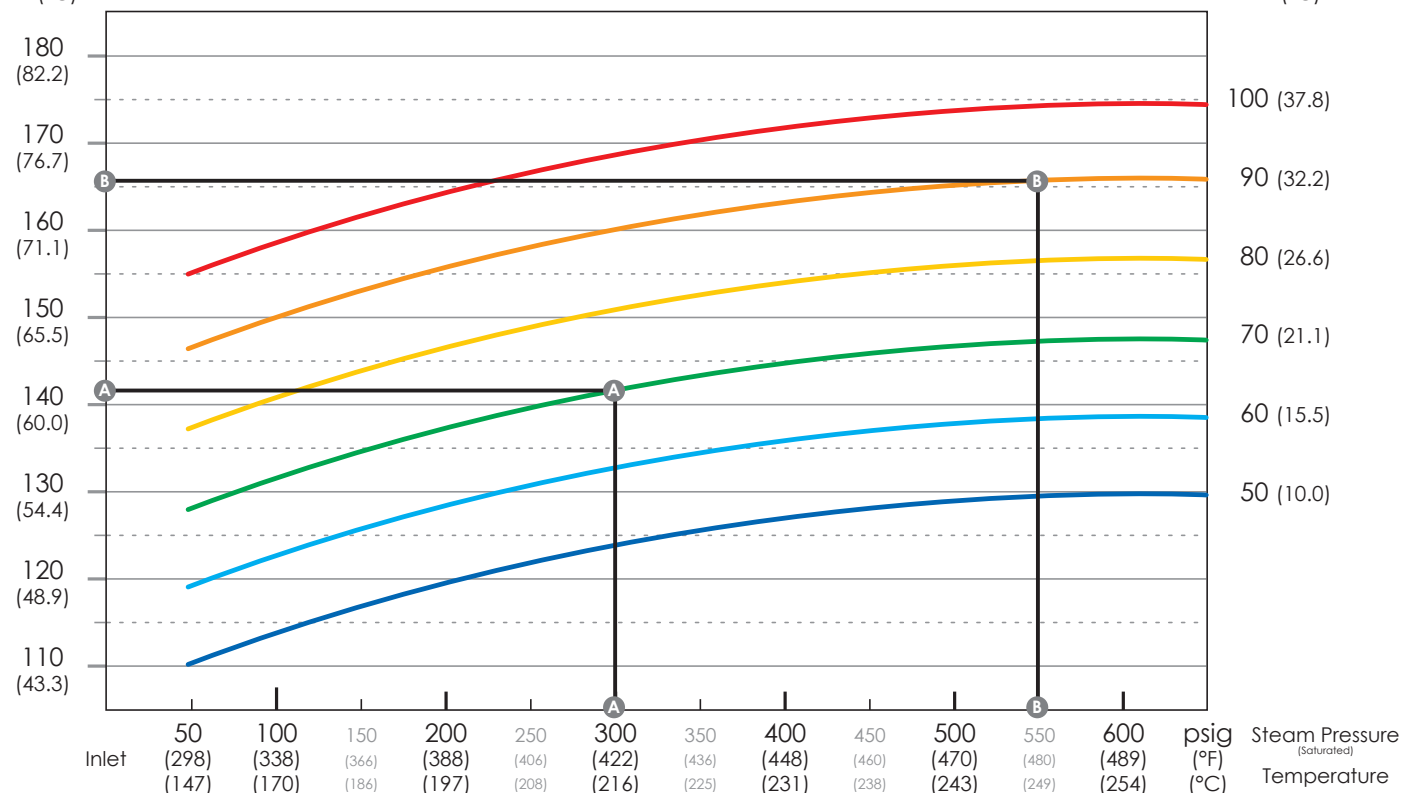
Actual Gauge  
Outlet  
Temperature

Ambient  
Temperature

°F (°C)

Saturated Steam Pressure (Saturated Temperature)

°F (°C)



### Example(s)

- An inlet steam pressure at 300 psig (Temp = 422 F / 216 C) at an ambient temperature of 70 F (21.1 C), the steam outlet temperature of the siphon is 142 F (61 C)
- An inlet steam pressure at 550 psig (Temp = 480 F / 249 C) at an ambient temperature of 90 F (32.2 C), the steam outlet temperature of the siphon is 166 F (74 C)

Examples are based on air movement through the gauge siphon fins, results will vary based on environment and air flow.