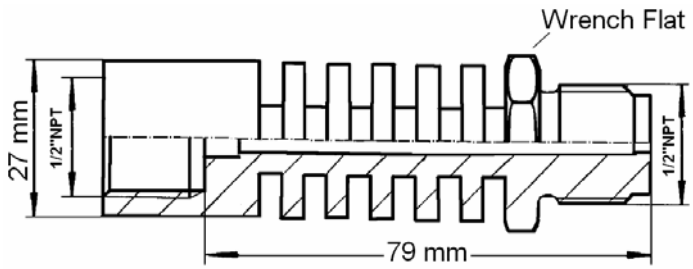
COOLING TOWER



Temperature Affects Pressure Gauges:

Mechanical pressure gauges are typically designed and calibrated to be most accurate and durable in ambient conditions between 65 and 85˚F, with process temperatures not exceeding 150˚F. If required, gauges can be ordered - calibrated to be most accurate for specific temperature ranges (within certain limits)

Outside of the normal working conditions temperature can affect the accuracy and lifespan of gauges. Precautions should be taken to ensure that pressure gauges are not continuously exposed to temperature extremes.

Good gauge practices have always recommended pigtail siphons (a) for steam or other high temperature applications. Other optional preventative measures include capillary (b) to remote mount the gauge away from the process or cooling towers to dissipate heat from the process fluid before it enters the gauge. This can also be true for low temperature extremes such as cryogenic applications.

Other methods for protecting instruments from temperature extremes:	
	
(a) Pigtail Siphon	(b) Capillary