



Product Data

Process Gauge Accessory Sta-Kool™ Cooling Element

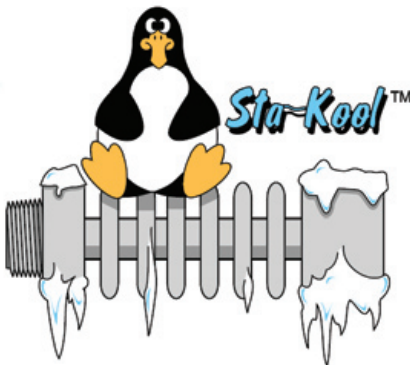
DESCRIPTION

Extreme process temperature reduces the accuracy, reliability, durability, and the overall life of a pressure gauge. The AMETEK U.S. Gauge Sta-Kool™ cooling element was designed for pressure measurements with this extremely high temperature environment in mind. Under actual laboratory testing condition, in still room air, the 316L stainless steel Sta-Kool™ cooling element was able to reduce 400°F (204°C) liquid process temperature down to 100°F (38°C) at the active portion of the Bourdon tube (see chart 1 on next page).

The Sta-Kool™ cooling element has a maximum operating temperature¹ of 750°F (400°C) and a maximum operating pressure¹ of 5,000 psi, and can be either threaded or welded (to eliminate a potential leak path) to any pressure gauge with 1/2" NPT male connection made out of compatible material.

Furthermore, the Sta-Kool™ cooling element can be attached in between a pressure gauge and diaphragm seal for the most comprehensive process measurement protection possible, protecting the instrument from pulsation and temperature extremes.

¹ See SPECIFICATIONS for more detail



SPECIFICATIONS

CONNECTION: 1/2-14 NPT male X 1/2-14 NPT female

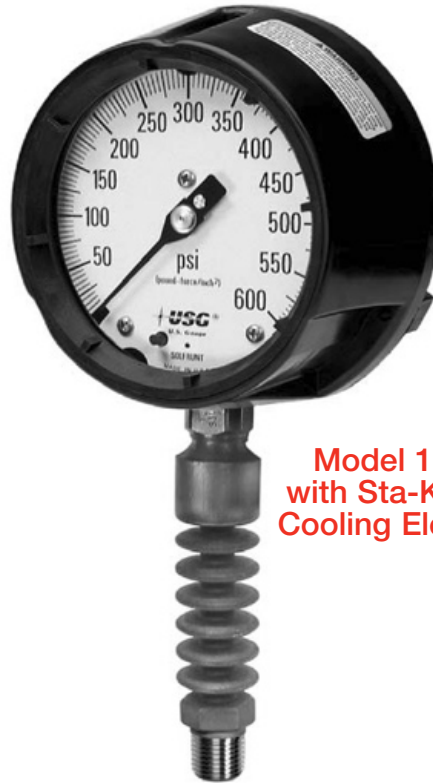
BODY MATERIAL: 316L stainless steel

WEIGHT: 15 oz (0.4 kg)

OPERATING PARAMETERS:
5,000 psi maximum at 100°F (38°C)
750°F (400°C) maximum at 3,500 psi

Process Gauge Accessory

SPEC NO.	DESCRIPTION
250471	Sta-Kool 316L SST Cooling Element



Model 1981
with Sta-Kool™
Cooling Element

At U.S. Gauge, we can take the pressure and we can take the HEAT!





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Chart 1

TEMPERATURE REDUCTION PROFILE

Results based on actual laboratory environmental conditions and is to be used as reference only. Actual usage results in the field may vary based on additional process parameters subjected to the device.

