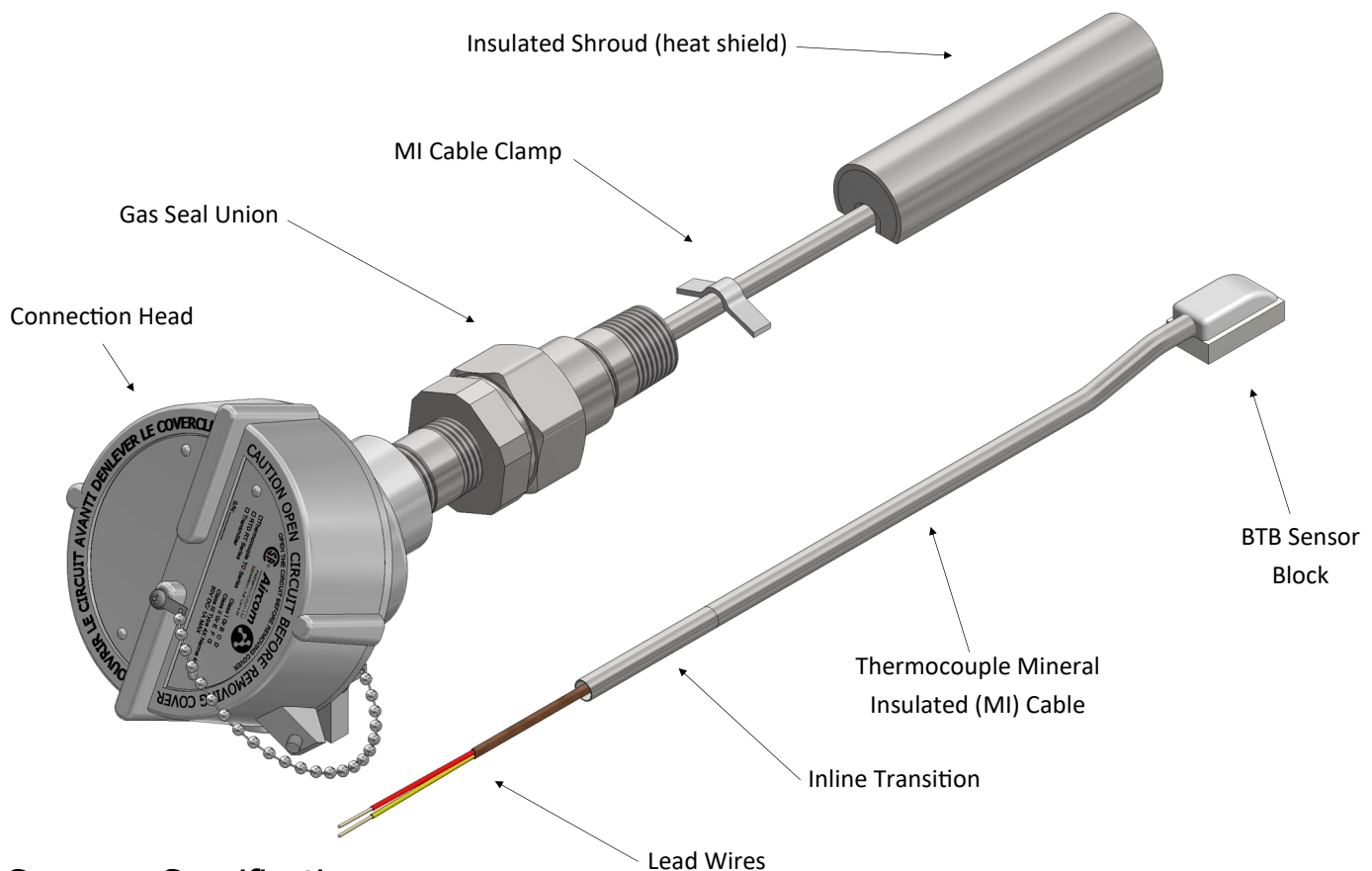


Aircom BTB (Boiler Tube Block) Thermocouple

Product Overview

The Patented BTB thermocouple is a specialized temperature sensor designed for use inside steam generation process equipment. The main purpose of the BTB Thermocouples is to accurately measure the boiler tube wall temperature.

The BTB consists of a sensor block specifically designed to be attached to the boiler tubes via a fillet weld. This simple welding process minimizes potential hardening of the tube metal heat affected zone. The joining of our block to the tube fuses the thermocouples sensing junction on to the tube wall providing the most accurate tube wall temperature measurement available. The BTB is designed to operate continuously inside the fired systems providing accurate, reliable temperature measurement.



Common Specifications

Thermocouple:	Commonly Type K (1260°C max)
BTB Block Materials:	316 & 310 Stainless Steel, Inconel 600, Hastelloy C, Hastelloy X
MI Cable Sheath Diameters:	0.250", 0.385"
MI Cable Sheath Length:	No limit
MI Cable Materials:	316 & 310 Stainless Steel, Inconel 600, Hastelloy C, Hastelloy X
Shroud (Heat Shield)	Material to match sensor, packed with special high temp insulation.
MI Cable Clamps	Materials to match common sensor materials.
Connection Fittings:	Typically 1/2" & 3/4" NPT, Custom Gas Seal Union optional.
Electrical Connection:	Junction box or lead wire extension to panel

