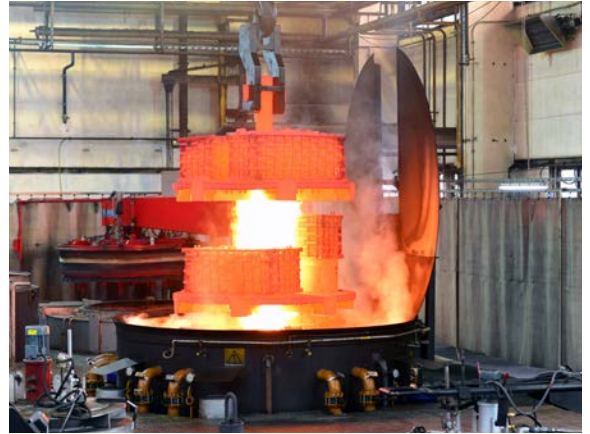


TECHNICAL DATA**Furnace Tracker®****TB40 and TB49 Thermal Barrier Series****TB40 Series**

Our most cost-effective thermal barriers for processes up to 800 °C (1,472 °F)

The TB40 series of thermal barriers works in two stages to keep the logger at a safe operating temperature while it travels through furnaces with process temperatures up to 800 °C (1,472 °F). The first stage of thermal protection is a layer of microporous ceramic insulation located inside a rugged stainless-steel case. The second stage is a heat sink that features phase change material, which further slows down the heat transferred to the data logger.

The TB40 thermal barriers are compatible with both the Datapaq TP6 and Datapaq DP5 data loggers, offering 6 to 20 channel options.

**Key Features**

Reinforced handles

Rugged 304-grade stainless-steel construction

Replaceable wear strip to reduce maintenance costs



Microporous insulation to provide the best possible thermal protection

Laser-etched liner that shows thermal duration and barrier part number

Each of the TB40 series barriers is supplied with spare thermocouple wear strip and locking pins

TB49 Series

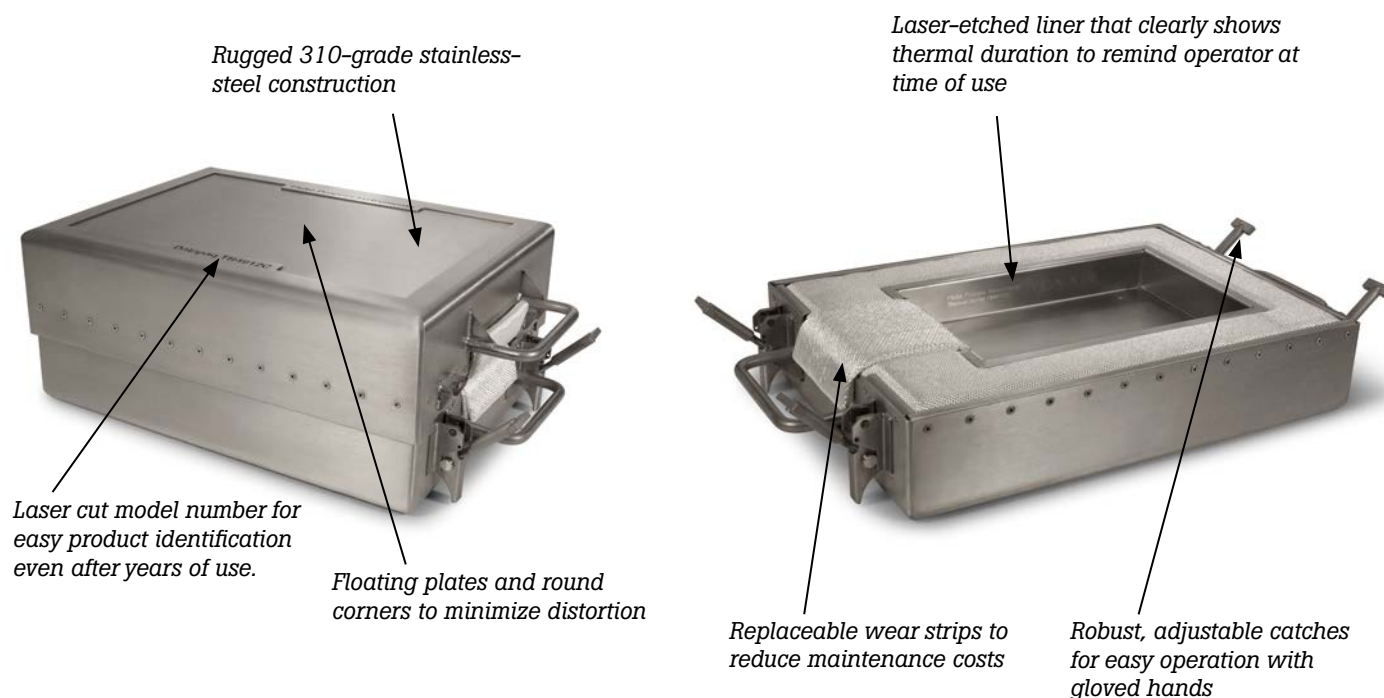
Our most versatile thermal barriers for applications up to 1,050 °C (1,922 °F)

The TB49 series of thermal barriers combines years of design experience with advanced materials knowledge to provide maximum protection to your data logger as it passes through the furnace. By using a balanced combination of microporous insulation and phase-change heat sink, the data logger can be kept below its maximum operating temperature – even in the longest processes.

The TB49 series is ideal for the thermal profiling of aluminum and steel products to verify heat treatment processes. It is also commonly used in Temperature Uniformity Survey (TUS) applications up to 1,050 °C (1,922 °F).

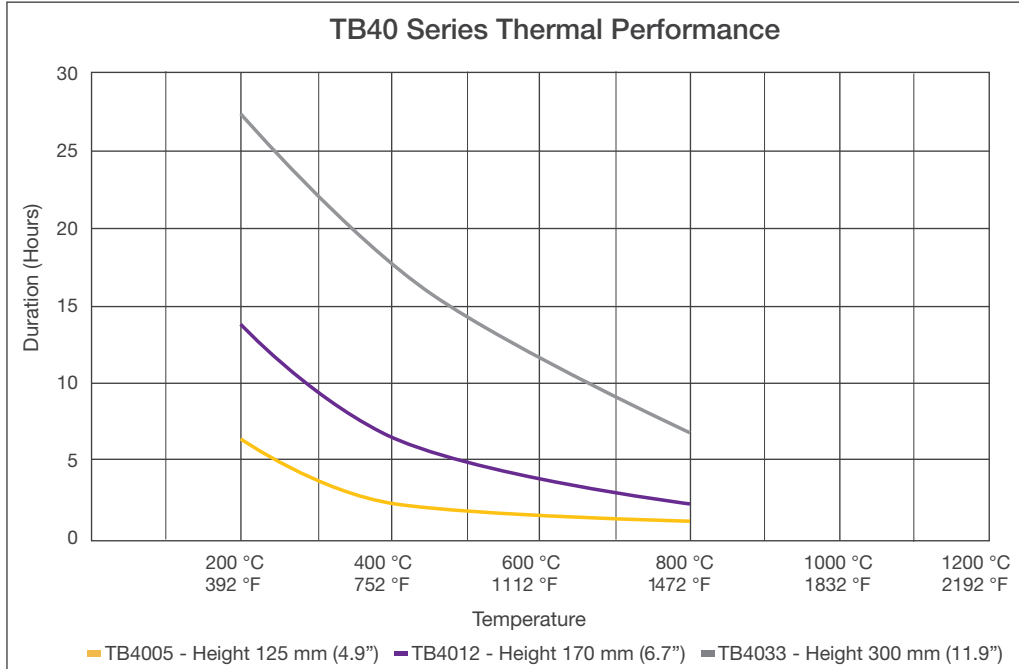


Key Features

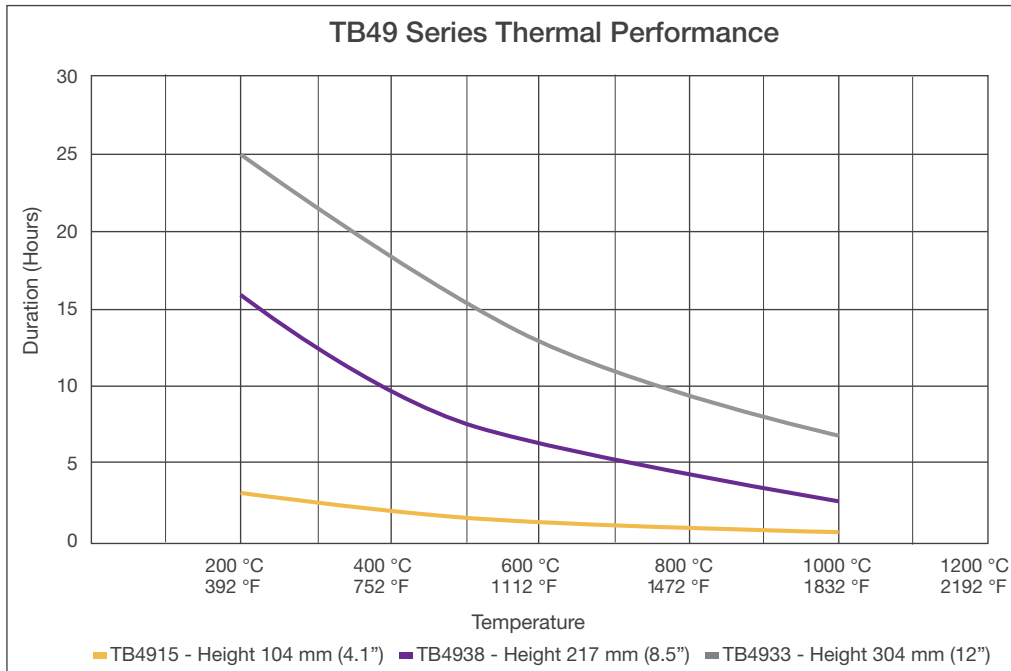


Each of the TB49 series thermal barriers is supplied with a spares kit, which includes two thermocouple wear strips, locking pins, and two catch pull rods.

Thermal Performance



**Durations are based on average temperature in still air*



**Durations are based on average temperature in still air*