ThermoWorks

ThermoWorks LogMaster

THERMOVAULT1000-FP

THERMAL BARRIER SYSTEM WITH TEMP1000FP

Features

- 304 Stainless Steel Enclosure
- Small 2.6" Diameter
- Submersible
- Withstands temperatures up to 350°C for 4.5 hours continuously

Applications

- Extreme temperature monitoring
- Food Processing
- Oven Monitoring
  - Convention Oven
  - Curing Ovens
  - Baking Ovens
  - Batch Ovens
  - Conveyor or Continuous Oven
  - Walk-in / Truck-in Ovens
- Dry Heat Sterilization
- Autoclave Validation
- Furnace/Kiln Profiling
- Geothermal down-hole temperature recording
- Chemical Processing

The ThermoVault1000-FP system includes a stainless steel thermal barrier and a Temp1000FP data logger. The durable enclosure can withstand temperatures up to 230°C when completely submerged and 350°C in dry heat applications (o-ring removed).

The device is easy to use, simply open the enclosure, insert the Temp1000FP, thread the probe through the end cap and latch it back onto the barrier body. The 10.8" flexible probe can be adjusted to measure hard to reach locations.

The Thermovault1000-FP is built for use in applications that required extreme temperature monitoring, such as with furnace profiling, geothermal down-hole recording, and oven profiling.

THERMAL BARRIER SPECIFICATIONS*

Operating Environment: -200°C to +350°C (230°C with O-Ring), 0 to 100% RH

IP Rating: IP68

Insulation Type: Dewar flask and PTFE

Access Port Thread: 1/4" NPT Female

Enclosure Material: 304 Stainless Steel

Dimensions: 9.3" x 2.6" dia. 236mm x 66mm dia.

Weight: 3.2lb

Ambient Temperature	Time In Air To Max Internal Temp *Temp1000FP*	Time In Liquid To Max Internal Temp *Temp1000FP*
100 °C	n/a	n/a
150 °C	n/a	n/a
200 °C	540 min	130 min
250 °C	390 min	120 min

For extended ranges, please contact Thermoorks.

300 °C	300 min	n/a
350 °C	270 min	n/a

See page 2 for Temp1000FP specifications.