



Features & Options

- Fluid-Filled Chamber Tracks Temperature of Freezer or Cooler Contents, Not Air Temperature, Decreasing False Alarms
- Easy Wall Mount or Wire Shelf Hanger
- Available in Stainless Steel or Aluminum

The BAPI Thermobuffer Temperature Sensor is used to simulate more closely the refrigerator contents rather than the refrigerator air temperature. The fluid-filled chamber allows for slower reaction to abrupt temperature changes, yet still maintains long-term accuracy if the change remains permanent. It eliminates the temperature spikes due to frequent refrigerator or freezer door opening and decreases false alarms.

The Thermobuffer comes in three buffer sizes 1", 2" and 4" and is designed to save valuable shelf space by mounting to the wall or by hanger in a refrigerator or freezer. The buffer chamber is machined in 304 Stainless Steel or aluminum and accommodates a variety of temperature sensors or transmitters to interface with all BAS systems.



**Refrigerator
(1" Hanging
Bracket)**



**Walk-in Freezer
(BAPI-Box w/ 2"
Cylinder)**



The BAPI-Box Crossover

The new BAPI-Box Crossover features a hinged cover with thumb latch for easy termination. It is available with a pierceable knockout plug for any open ports and a watertight gasket for the cover.

(Shown with optional plug and gasketed cover.)

Specifications

Sensor: Thermistor, RTD or Transmitter

Probe: Stainless steel

Wire: 22 awg stranded, 2 or 3 wires

Insulation:

Etched Teflon, PVC or FEP Jacketed

Buffer Chamber Construction:

M304.....Bar stock 304 Stainless Steel

MALBar stock Aluminum

Chamber Fluid: Customer supplied

Glycol mix..... Food grade required

1" Chamber..... ~7 ml of fluid

2" Chamber..... ~24 ml of fluid

4" Chamber..... ~32 ml of fluid

Sensing Element:

Thermistor or RTD (See Sensors Section for Specs.)

Enclosure Rating:

BAPI-Box Crossover (BBX): IP10, NEMA 1

BAPI-Box Crossover (BBX6): IP66, NEMA 4X

Enclosure Material:

BAPI-Box Crossover..... Polycarb., UV rated, UL94 V-0

Hanging Bracket..... SS Bracket with Steel Clip

Environmental Operating Range:

Temp. Sensor -40 to 185°F (-40 to 85°C)

Temp. Transmitter.... -4 to 158°F (-20 to 70°C)

Humidity..... 0-100%RH, Condensing

Agency: CE, RoHS

Encl. Dimensions: H x W x D

BAPI-Box Crossover... 3.1 x 2.2 x 1.9" (79 x 56 x 49mm)

(For enclosure dimension drawings, turn to the end of the section.)

Note: Unit requires food grade glycol antifreeze for proper operation.





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