INSULON® DEWARS

Thermal Barriers for Data Loggers

Insulon® dewars provide optimal thermal protection for data loggers in high temperature environments. By eliminating convection and drastically reducing radiation, Insulon® technology provides hours* of protection against unwanted thermal exposure (Figure 1).

In addition to outperforming other options on the market, Insulon® dewars feature hexagonal end pieces that prevent rolling, allowing the dewar to be positioned upright or on its side (Fig. 2).

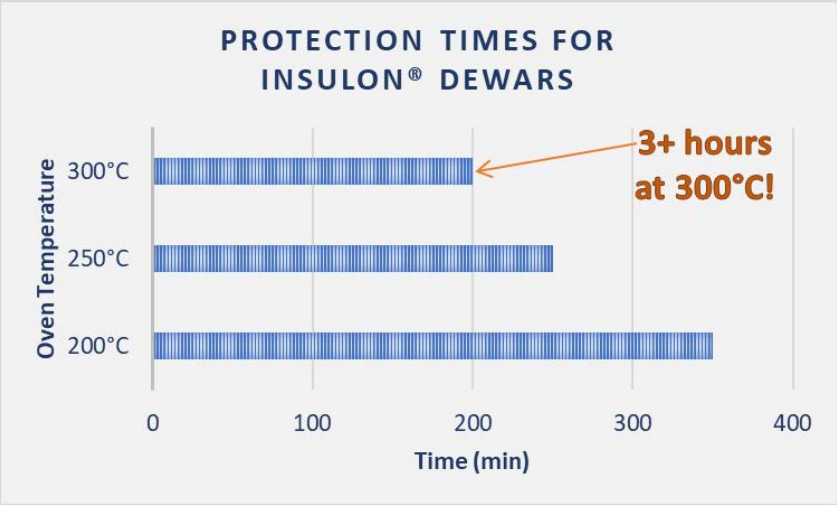

Figure 1: Time until data logger reaches 140°C.*

The data logger fits securely within an internal PTFE mass, which can be cut to fit data loggers of different shapes and sizes. A wire feedthrough provides a path to the external environment, and the top screws off for easy disassembly.

Insulon® technology can be incorporated in a wide variety of applications and thermal environments. For applications exceeding 300°C, or with unique dimensional requirements, please contact us at **inquiries@conceptgroupllc.com**.

*Testing was conducted for data loggers 24 mm in length and 18 mm in diameter that can withstand temperature exposure up to 140°C when left unprotected. A convection oven was used for testing; starting temperatures of oven and dewar were 25°C.

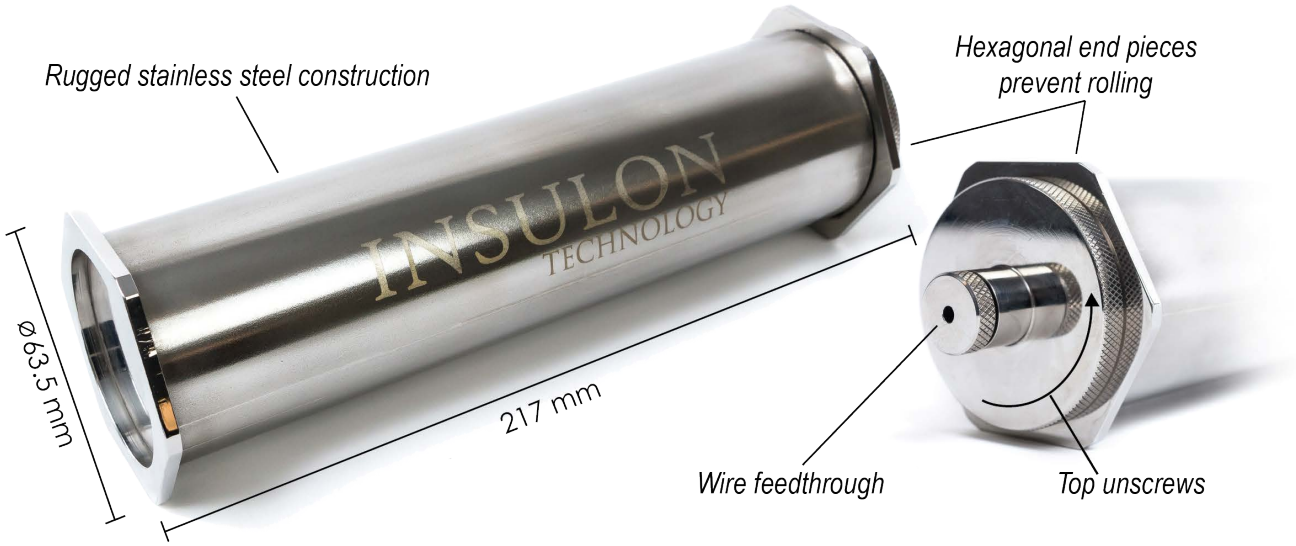

Figure 2: Insulon® dewar positioned on its side. Hexagonal end pieces prevent rolling.