

TECHNICAL SPECIFICATIONS



THERMAL BARRIER VB7400

Dimensions (H x W x L)	18 mm x 146 mm x 146 mm (0.71 in x 5.75 in x 5.75 in)			
Weight	880 g (1.75 lb)			
Material	100% stainless steel construction (only for use in vacuum applications)			

Thermal Duration *				
Temperature	100°C (212°F)	200°C (392°F)	300°C (572°F)	450°C (842°F)
Duration (mins)	300+	75	40	20

* Guidelines only actual performance will depend on vacuum level.

(Securing flanges 10 mm/0.39 in wide)

Using the spacer blocks provided with the barrier, the height above and below the carrier frame can be set to suit the process chamber being profiled.



DATA LOGGER

The Datapaq Q18 logger features rugged, reliable and accurate data acquisition circuits, clear status indicators and an intelligent battery management system.

Model number	DQ1863
Number of channels	6
Sampling interval	0.05 seconds to 10 minutes
Accuracy	±0.5°C (±0.9°F)
Resolution	0.1°C (0.2°F)
Maximum internal operating temperature	85°C (185°F)
Temperature range	-200°C to 1370°C (-328°F to 2498°F)
Memory	18,000 readings per channel (6 channels active)
Data collection start	Start/stop buttons, time or temperature trigger
Battery	NiMH rechargeable
Thermocouples	Type K



RECOMMENDED THERMOCOUPLES

PA1570	300 mm (1 ft) length
PA1571	600 mm (2 ft) length
PA1572	1000 mm (3.25 ft) length

Ultra fine, mineral insulated Type K thermocouple, diameter 0.5 mm (0.02 in).
These thermocouples comply with BSEN 60584.2 Class 1.

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