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Despatch

Thermal Processing Technology

TW EAE

◆ PTC Top Loading Oven

For burn-in and qualification testing of down-hole electronic logging equipment



The PTC is a top-loading oven specifically designed for burn-in, qualification testing and calibration of oil and gas downhole drilling instruments. The oven is built to withstand harsh oilfield conditions for many years, with heavy duty construction and an aluminized interior for maximum corrosion resistance. Horizontal airflow with adjustable louvers ensures uniform airflow across the entire length of the chamber.

A space-conscious footprint is combined with heavy duty casters for easy moving. Marinite end caps can be machined to insert instruments, testing leads or tooling, and can also be removed to allow two ovens to be used end-to-end for longer loads. The top-loading oven allows heavy equipment to be loaded into the test chamber by crane and silicone door seals and positive-latching clamps hold the door securely in place.

PTC ovens come equipped with the Protocol 3™ microprocessor-based temperature and hi-limit controller with a large LCD display and real time clock for auto start capability. It features three operating modes: Manual, Timer, and Profile. The data-logging functionality enables reporting and analyzing and data files can be exported via the controller's USB port.

FEATURES AT A GLANCE

- ◆ Chamber size: 2.7, 4, 12 or 48 cubic feet (76.5, 113.3, 339 or 1360 liters)
- ◆ Maximum temperature 260°C (500°F)
- ◆ Horizontal airflow with adjustable louvers for uniformity
- ◆ Silicone door seals and positive latching clamps for security
- ◆ Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export
- ◆ UL listed open control panel





Non-magnetic, non-metallic option



PTC2-12 with gas cylinder door lift assist option



PTC2-48

Small Footprint – The PTC ovens are designed with fans and controls located below the work chamber to minimize floor space.

Performance – Adjustable louvers for uniform airflow.

Reliability/Repeatability – Consistent, repeatable performance in a small package. Rugged designs for long term reliability, units are low maintenance.

Adaptable – Removable ends allow multiple units of the same model number to be connected together for use with longer tools.

OPTIONS

- ◆ Non-magnetic, non-metallic models available
- ◆ Disconnect switch
- ◆ CE compliance

	PTC1-27	PTC1-40	PTC2-12	PTC2-48
PHYSICAL SPECIFICATIONS				
Work chamber dimensions (width x depth x height)	96 x 8 x 6 in. 244 x 20 x 15 cm	144 x 8 x 6 in. 366 x 20 x 15 cm	144 x 12 x 12 in. 366 x 30 x 30 cm	144 x 24x 24 in. 366 x 61 x 61 cm
Capacity in cubic feet (liters)	2.7 (76.5)	4 (113.3)	12 (339)	48 (1360)
Overall dimensions (width x depth x height) <i>*Does not include dolly which adds 9 inches (23 cm)</i>	100 x 24 x 24* in. 254 x 61 x 61* cm	148 x 26 x 26* in. 376 x 66 x 66* cm	148 x 37 x 36* in. 376x 94 x 91* cm	148 x 60 x 76* in. 376 x 152 x 193* cm
Electrical	Three Phase: 480v - 60Hz or 380v - 50Hz or 208v, 220-240v, 415v - 50/60Hz Single phase: 208v, 220-240 - 50/60Hz		220v - 240v, 480v, 380v Three Phase, 50/60Hz	480v/60Hz or 380v Three Phase, 50Hz
Heater capacity	9 kW	12 kW	16 kW	32kW
Approximate weight	1100 lbs / 500 kg	1800 lbs / 820 kg	2330 lbs / 1057 kg	3500lbs / 1588kg
FUNCTIONAL SPECIFICATIONS				
Operating range Based on 20° C (68° F) ambient temperature	51° C - 260° C (125° F - 500° F)	51° C - 260° C (125° F - 500° F)	66° C - 260° C (150° F - 500° F)	66° C - 260° C (150° F - 500° F)
Recirculating system - 1/3 HP motor	400 CFM (188.8 lps)	600 CFM (283.2 lps)	2 HP Motor 1700 CFM (802 lps)	5 HP Motor 3400 CFM (1605 lps)

PTC models are not to be used with flammable solvents, materials or enclosed containers. If your process involves flammable solvents, consult the factory.

SERVICE AND TECHNICAL SUPPORT

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