

◆ **PTC Top Loading Oven**
For burn-in and qualification testing of
down-hole electronic logging equipment



The PTC ovens offer high performance in a configuration well suited for heating long and narrow loads such as tubing and extrusions. The forced-air convected ovens feature horizontal airflow with adjustable louvers to assure uniform airflow even with varying load conditions. Ideal for burn-in qualification testing of down-hole electronic logging equipment for the petroleum industry.

A space-conscious footprint is combined with removable end caps to allow placement of several ovens of the same model number end-to-end. The marinite end caps may also be machined to insert instruments or tooling. A digital, three-mode PID control allows precise temperature control while a separate high limit control with manual reset provides over-temperature protection.

Designed with silicone door seals and positive-latching clamps to hold the door securely in place, the PTC ovens are also provided with a dolly for easy moving.

FEATURES AT A GLANCE

- ◆ Ovens of the same model number may be connected end-to-end to accommodate any length requirement
- ◆ 2.7, 4 or 12 cubic feet (76.5, 113.3 or 339 liters)
- ◆ Maximum temperature 260°C (500°F)
- ◆ Non-magnetic, non-metallic models available
- ◆ Horizontal airflow





Non-magnetic, non-metallic option



Top loading, gas cylinder door lift assist option



Front loading option

STANDARD FEATURES:

- ◆ Temperatures up to 260° C (500°F)
- ◆ 8 ft (2.4m) or 12 ft (3.7m) chamber length
- ◆ Removable end caps to allow same model number ovens to be connected end-to-end
- ◆ Horizontal airflow
- ◆ Digital, three-mode PID control for precise temperature control
- ◆ High-limit control with manual reset for protection against over-temperature
- ◆ Silicone door seals and positive latching clamps for security
- ◆ UL listed open control panel

Small Footprint – The PTC ovens are designed with fans and controls located below the work chamber to minimize floor space, which is at a premium in the field offices where the ovens are most commonly used.

Performance – 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
- ◆ Front load model available
- ◆ Programmable controller

	PTC1-27	PTC1-40	PTC2-12
PHYSICAL SPECIFICATIONS			
Work chamber dimensions (width x depth x height)	96 x 8 x 6 in. 243.8 x 20.3 x 15.2 cm	144 x 8 x 6 in. 365.8 x 20.3 x 15.2 cm	144 x 12 x 12 in. 365.8 x 30.5 x 30.5 cm
Capacity in cubic feet (liters)	2.7 (76.5)	4 (113.3)	12 (339)
Overall dimensions (width x depth x height) <i>*Does not include dolly which adds 9 inches (22.9cm)</i>	100 x 24 x 24* in. 254 x 60.4 x 60.4* cm	148 x 26 x 26* in. 375.9 x 66 x 66* cm	148 x 37 x 36* in. 375.9 x 94 x 91.4* cm
Electrical	*Single Phase 208v or 240v	*Single Phase 208v or 240v	220v - 240v, 480v, 380v Three Phase, 50/60Hz
Heater capacity	9 kW	12 kW	16 kW
Approximate weight	1100 lbs / 500 kg	1800 lbs / 820 kg	2330 lbs / 1057 kg
FUNCTIONAL SPECIFICATIONS			
Operating range <i>Based on 20°C (68°F) ambient temperature</i>	51°C - 260°C (125°F - 500°F)	51°C - 260°C (125°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)

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

SERVICE AND TECHNICAL SUPPORT

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