

PORTABLE LPG INFRARED CATALYTIC HEATER

SAFE HEAT, EXACTLY WHERE YOU NEED **IT.**

Introducing the PRO-CAT

The PRO-CAT is a flameless, gas catalytic infrared heater engineered for coating, curing and finishing environments where heat needs to go exactly where the work is — not into the surrounding air. Mounted on a mobile frame with an integrated gas bottle carrier, it's running within minutes of arriving on site.

**PRO-CAT**

Mobile catalytic emitter on wheeled,
bottle-carrier frame

14.21kW

MAX OUTPUT
48,519 BTU / HR

1524mm

EMITTER FACE
WIDTH (X 457MM)

100%

SAFETY
SHUT-OFF VALVE

ATEX

MODELS
AVAILABLE

1 WHY CATALYTIC INFRARED?



DIRECT HEATING

Radiant energy heats the product and coating directly, not the surrounding air — less energy wasted, faster cure times.



SPACE SAVING

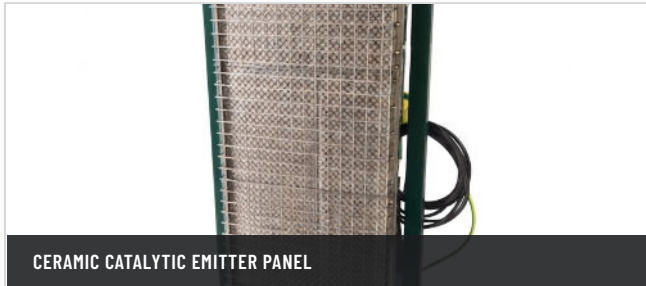
A compact mobile footprint makes far more efficient use of your factory floor than fixed drying bays or ovens.



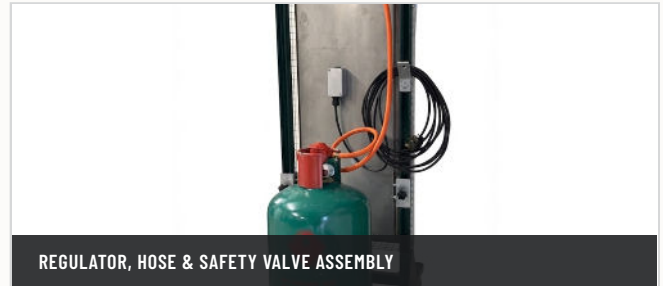
CUSTOM ENGINEERED

Every installation can be tailored — from emitter size to control setup — to suit your specific process.

2 BUILT-IN, THOUGHT THROUGH



CERAMIC CATALYTIC EMITTER PANEL



REGULATOR, HOSE & SAFETY VALVE ASSEMBLY

- ✓ **Flameless catalytic heat**
Gas catalytic infrared with no open flame; ATEX-rated models available for hazardous areas.
- ✓ **Wide heat coverage**
Large 1524mm x 457mm emitter face delivers even radiant heat across the work area.
- ✓ **Portable by design**
Integrated bottle carrier and castors allow the unit to be repositioned even mid-process.
- ✓ **Safety first**
100% gas safety shut-off valve fitted as standard; electric start disconnects once running.
- ✓ **Gas-saving settings**
Dedicated run and standby settings reduce propane consumption between cycles.
- ✓ **Ready to run**
Supplied complete with propane hose and gas regulator — no extra parts to source.

3 TECHNICAL SPECIFICATION

SPECIFICATION	DETAIL
Model	PRO-CAT Portable LPG
Heat source & type	Propane gas (LPG) — catalytic flameless infrared
Emitter face area	1524mm x 457mm
Max output	14.21kW / 48,519 Btu/hr
Power requirement	230/240V single phase (standard) – other voltages to order
Supplied with	Propane hose, gas regulator, bottle carrier frame
Options	ATEX-rated models for hazardous areas

**10
min**

Typical time from arrival on-site to first heat — roll the PRO-CAT into position, connect the gas bottle, and allow the catalyst to prime. No fixed installation or ductwork required.

4 HOW TO OPERATE THE PRO-CAT



Before you start: the electrical connection and disconnection steps below must always be carried out outside the ATEX-classified zone.

1

CONNECT THE POWER

Plug the electrical lead into a standard 13 amp supply. This must be done outside the ATEX zone.

2

ALLOW THE CATALYST TO PRIME

Wait approximately 10 minutes before turning on the gas supply.

3

TURN ON THE GAS & IGNITE

Turn on the gas supply, then press and hold the button on the safety valve for 30 seconds.

4

CHECK THE CATALYST HAS HEATED

If the unit is ready, the catalyst will heat up. If not, wait a few more minutes and repeat step 3.

5

DISCONNECT & MOVE INTO POSITION

Once heated, the electrical supply can be disconnected and the unit moved into the ATEX drying or spraying area.

6

RUNS ON GAS ALONE

The PRO-CAT will continue to run on gas only — with no electrical power required — until switched off.

FAIL SAFE

Automatic safety cut-off: should the heater or gas supply fail for any reason, or the emitter drop below re-action temperature, the safety valve automatically closes and isolates the gas supply.