Defend Against Cold

www.thorneandderrick.com
Portable ATEX Heater...

Many Problems...
Low temperatures and humidity often delays projects and fabric maintenance activity. Painting and coating gets rescheduled. Curing takes longer. Costs overrun and deadlines are missed.

...One Solution
You asked, we listened, thought and designed a solution that exceeds your needs. ATEX, tough, compact, powerful and user friendly. It can easily be carried to exactly where it is needed. Fully ATEX certified and made with marine grade materials. It is more than able for the toughest environments.

The Problem
Paint & Coating Curing
• Is the temperature too low for painting?
• Is the paint taking too long to dry?
• Are your projects getting delayed?

Now You Are No Longer Dependent On The Weather...

.... Your Projects Can Be Completed Easily & On Time
The Problem

Composite Repairs

- Is it the wrong temperature for your composite repairs?
- Are your repairs not curing properly?

Condensation

- Is your environment too damp for painting or repairing?
- Is condensation forming in your work area?

Frozen Machinery & Pipe Work

- Is your plant freezing or waxing up?
- Are your instruments affected by the cold weather?

The Solution...

...Portable ATEX Heater
<table>
<thead>
<tr>
<th>Benefit</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact &amp; lightweight.</td>
<td>Weighs only 55 Kg.</td>
</tr>
<tr>
<td>Ergonomically designed.</td>
<td>High efficiency heating.</td>
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<tr>
<td></td>
<td>Input voltage 400V +/- 10%.</td>
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<tr>
<td></td>
<td>Operation 50/60Hz. 3Ph+E or 3Ph+N+E compatible.</td>
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<tr>
<td></td>
<td>ATEX Certified for zones 1 + 2.</td>
</tr>
<tr>
<td></td>
<td>Produces airflow of 2130m³/hour</td>
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<td></td>
<td>15Kw output</td>
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<td>High efficiency heating.</td>
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<td>Provides greater flexibility.</td>
<td>ATEX Certified for zones 1 + 2.</td>
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<td>Can be used to heat many areas</td>
<td>Produces airflow of 2130m³/hour</td>
</tr>
<tr>
<td>The powerful airflow and efficient heating will heat any area impressively quickly.</td>
<td>15Kw output</td>
</tr>
<tr>
<td>No coldspots in the airflow.</td>
<td>Suitable for stacking and ducting. Flexible anti-static ducting connects directly to the heater.</td>
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<td>Provides greater flexibility.</td>
<td>High specification standard brings peace of mind.</td>
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<tr>
<td>Can be used in most environments.</td>
<td>Suitable for stacking and ducting. Flexible anti-static ducting connects directly to the heater.</td>
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**Portable ATEX Heaters - The Benefits**

- Design ensures no heat loss.
- Can be easily moved.
- Can be placed close to the work area.
Typical Configurations

1. Heater inside the work area
   - Fastest way to increase the temperature.
   - Recirculates the same air.
   - No ducting needed.

2. Heater inside the work area with ducting to outside.
   - Minimal heat loss.
   - Fresh air brought in.
   - Provides the necessary air changes.

3. Heater outside the work area with ducting to inside.
   - Keeps fan out of working area.
   - Quieter.
   - Fresh air brought in.

- Keeps fan out of work area.
- Safe, clean air brought in.
- Less chance of bad air being brought in.
- Heats area extremely quickly.
- Less ducting in working area.
- Can also be used inside work area.

5. Multiple heaters.

- Safe, clean air brought in.
- Less ducting in working area.
- Can also be used inside work area.

Compatible With

**Ducting**
30cm Flexible Ducting is highly durable, antistatic and flame retardant. It is available in 5m and 10m lengths, along with various couplers to allow for many different configurations.

**MDU**
Portable ATEX Heater

A powerful, compact ATEX Heater for hazardous areas.

The portable ATEX Heater embodies many principles: ATEX, Tough, compact, powerful, user friendly and easily moveable.

The heater can be carried by 2 people to wherever it is needed.

It can be used in several different configurations, with or without ducting. Tough marine graded materials give it a long life, even in extreme conditions.

Highly flexible electronics can cope with many different electrical supply systems.

This powerful unit is an impressive heat source.

Now you can control the temperature in your working environments. Projects can be completed on time, even in low temperatures. Paint and composite repairs can be cured and frozen equipment thawed.

It can be used offshore or onshore, indoors or outside. It provides the necessary air changes as well as heat. Its design combines high durability with easy maintenance.

Delivered complete, ready to use and fully certified it can be pushed into action immediately.

Thanks to this new ATEX Heater safe warm air can now be produced wherever it is needed.

**Key Features**
- ATEX approved for Zones 1 and 2 (Gas)
- Compact and lightweight
- IP65
- Produces airflow of 3110m³/hour
- IP65
- Up to 18kW output
- Efficient heating
- Produces airflow of 3110m³/hour
- Optimised heating element design
- Marine grade materials
- Multiple lifting handles
- Compatible with T&D Ducting & MDU

**Key Applications**
- Offshore platforms
- Oil Refineries
- Confined Spaces
- Fabric maintenance
- Pipeline maintenance
- Composite repairs
- Curing or drying paint
Portable ATEX Heater

Standard Specification

Certification

$II 2 G c IIB T3$

Ex d e IIB T3 Gb

Operating Temperature

-40 to +40°C

Cable Options

10m Braided

Plug Options

32A CEAG 4P

Other options on request

Supply Voltage

400V (+/-10%)

Ingress Protection

-40 to +40°C

Dimensions

L 760mm x W 560mm x H 560mm

Weight

53kg Exc. Cable

Ordering Information

ATEX Heater

TPDH15/400CEA

Accessories And Spares

TDFD30/05-EX

Anti-static Ducting 30cmØ 5m

TDFD30/10-EX

Anti-static Ducting 30cmØ 10m

TDFD30/CU

Duct Coupler 30cmØ

TDDU440/05-2EX

ATEX MDU with 32A Sockets

TDPH15/400 CEA ATEX

Power

15Kw @ 400VAC

Current Draw @ 400VAC

Start up: 29A, Run: 23A

Voltage

400V +/- 10%

Free Airflow

3110m³/h 1830cfm

Ducting Size

300mm Diameter

3 Phase supply

3Ph+E or 3Ph+N+E

Air Speed

15.5m/s 51ft/s

Typical Temp Rise

Approx. 20°C above ambient

Noise Level @ 1m

83dbA

Our extensive range includes both ATEX approved and industrial products.

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