



DRY

a room out fast
with a

calorex[®]

DEHUMIDIFIER

Get In Touch



Call: [0845 6880112](tel:08456880112)



Email: info@adremit.co.uk

Our Address

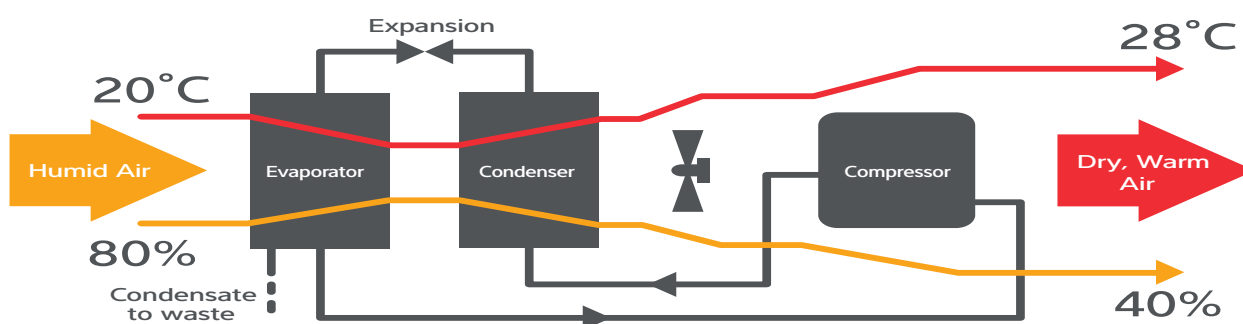
Puravent, Adremit Limited, Unit 5a, Commercial Yard,
Settle, North Yorkshire, BD24 9RH

Calorex can offer a complete drying package – dehumidifier, heater and fan

WHAT DOES A DEHUMIDIFIER DO?

The process of dehumidification involves moisture-laden air being drawn into a dehumidifier where the air passes across a refrigerated coil. The air is rapidly cooled below its dew point, condensing the water vapour and recovering its latent heat energy for re-use.

The cooled air is then passed across the condenser where it is reheated and returned to the served area at the required lower relative humidity.



What are the benefits?

Reduced drying time = Less time on site
Consistent drying time = Repeatable process
No open windows = Site security
Self-contained = Instant setup

How to use:

1. Site the unit to give a good circulating air flow
2. Install fans and heaters if required
3. Install drainage (tank or pipe)
4. Shut all windows and doors
5. Switch on

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Call our sales team for a competitive quote today

 +44 (0)1621 856611

HOW DOES IT HELP FLOOR DRYING?

Drying traditional and Anhydrite screed flooring is a time consuming process, often taking months before it is ready for the next step in the construction process.

Using a Calorex dehumidifier can reduce this by 75%, meaning it could take weeks instead of months. Dehumidification will not over dry the surface of the floor, it simply speeds the whole process up.

Screed thickness	Conventional vent. drying Anhydrite/concrete	Dehumidifier drying Anhydrite/concrete
40-50mm	6-8 weeks (up to 16 weeks)	1-2 weeks (if more, wrong content)
50-60mm	8-16 weeks	2 weeks
70-80mm	12-18 weeks (sometimes more)	3 weeks (if more, wrong content)



Why not just open a window?

Looking at the table below, using relative humidity recorded in London, it's clear to see that ventilating a room often produces the opposite of the desired outcome – re-humidification.

	Relative humidity (%)	
	0700-1400 hours	1400-0600 hours
January	88	89
February	72	89
March	60	86
April	54	81
May	54	79
June	54	81
July	55	85
August	60	90
September	69	93
October	78	91
November	82	90
December	84	93

■ Ventilation assists dehumidification
 ■ Ventilation has no effect
■ Ventilation leads to re-humidification

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WHAT SIZE DO YOU NEED?

Porta-Dry dehumidifier

Porta-Dry sizing guide			
	Porta-Dry 150	Porta-Dry 300	Porta-Dry 600
Internal temperature above 15°C	175m ³	350m ³	700m ³
Internal temperature below 15°C	150m ³	300m ³	600m ³

For drying buildings following construction, fire & flood damage, or simply preventing damp

At low air temperatures dehumidifiers start to become less effective. Portable heaters can be used to bring the temperature up which keeps the drying speed up.

Porta-Cal heater

Porta-Cal sizing guide		
Porta-Cal 25	3kW	Rooms up to 100m ³
Porta-Cal 65	12kW	Rooms up to 375m ³
Porta-Cal 95	18kW	Rooms up to 550m ³

Or up to 110W/m² of floor

Porta-Air fan

By using portable fans, correctly placed around the wet area, the boundary layer of air above the floor is always moving. This can increase the speed of drying by up to 40%.

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WHY USE A DEHUMIDIFIER?

There is no better way of recovering and preventing further damage as a result of flooding than to use a portable dehumidifier. The moisture from the flood is extracted in a gentle manner – no high temperatures are used – and as the humidity in the room is reduced, mould growth is prevented.

- ✔ Building dryers significantly reduce drying times for **any** wet process or water damage
- ✔ Building dryers don't dry by heating, which could cause over-drying and cracking
- ✔ Building dryers are efficient – they output 2.5 times the energy input as heat
- ✔ Building dryers do not rely on open windows or doors and are self-contained
- ✔ Calorex has over 37 years of experience of drying using dehumidification – get in touch for technical advice for your application



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QUICK SPECIFICATION GUIDE

Porta-Dry dehumidifier

Specifications	Units	150	300	600
Capacities				
Maximum	l/day	23	53	100
Nominal 20°C/70%RH	l/day	15	31	59
Nominal 30°C/80%RH	l/day	18	46	70



Porta-Cal heater

Specifications	Units	25	65	95
Capacities				
Heating	kW	3	6-9-12	9-13-18



Porta-Air fan

Specifications	Units	4500	4500HP	7000
Fan				
Speed 1 without/ with grille	m ³ /h	5050/ 4500	5050/ 4500	7760/ 7000



CALL US FOR MORE INFORMATION



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