

CONCRETE SHOULDN'T DRY IT SHOULD HARDEN!



HOW IT WORKS

Accelerates the curing process through controlled heating of the circulated curing chamber air.

OUR GUARANTEE

-  heating of air circulated through the curing chamber is efficient, minimalizes heat losses and heating costs
-  efficiency equal to 93%
-  ideal for precast concrete with a high wc-ratio
-  temperature of 40°C to 60°C with a consistency of +/- 3°C

YOUR BENEFIT

-  consistently high early strength, reducing broken edges and corners
-  extremely short hardening time equal to between 8-10 hours
-  effective, efficient and simple to operate and maintain
-  an effective drying system after vapor or steam curing
-  available with diesel, natural or propane gas burner and also utilizing a hot water or steam heat exchanger

SATISFACTION GUARANTEED!

THE CONCRETE CURING SPECIALIST.



CONVECT-AIR® ACCELERATED PRECAST CONCRETE CURING SYSTEM



REDUCED CURING DURATION VIA WARM AIR CIRCULATION



A 93% efficient air heating unit featuring a galvanized or stainless steel heat exchanger and modulating or single output burner for accurate temperature control.



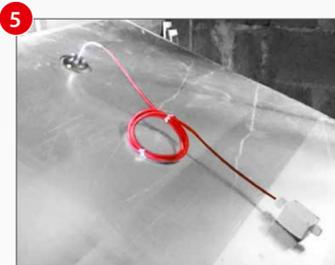
The insulated and galvanized heating unit is designed for simple connection to electrical power for the air ventilator(s), fuel source and exhaust flue for combustion.



The insulated external air supply and return ducts are at the opposite sides of the curing area assuring even air flow and heat distribution. The number of distribution ducts across the length of the chamber and the number of nozzles per duct varies according to the pressure, temperature, and pallet locations in the enclosure.



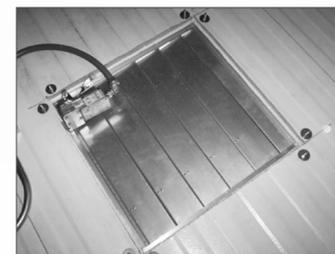
Vertical air supply ducts inside the curing chamber provide for consistent temperature and low air speed. The location and direction of the air supply outlets prevent accelerated evaporation of moisture from the concrete surface.



A thermostat is located in the distribution manifold. Once the desired curing temperature is reached, the heater switches off. It turns on again to maintain temperature when fresh concrete products are introduced. The circulation ventilator operates continuously throughout operation to maintain even temperature.

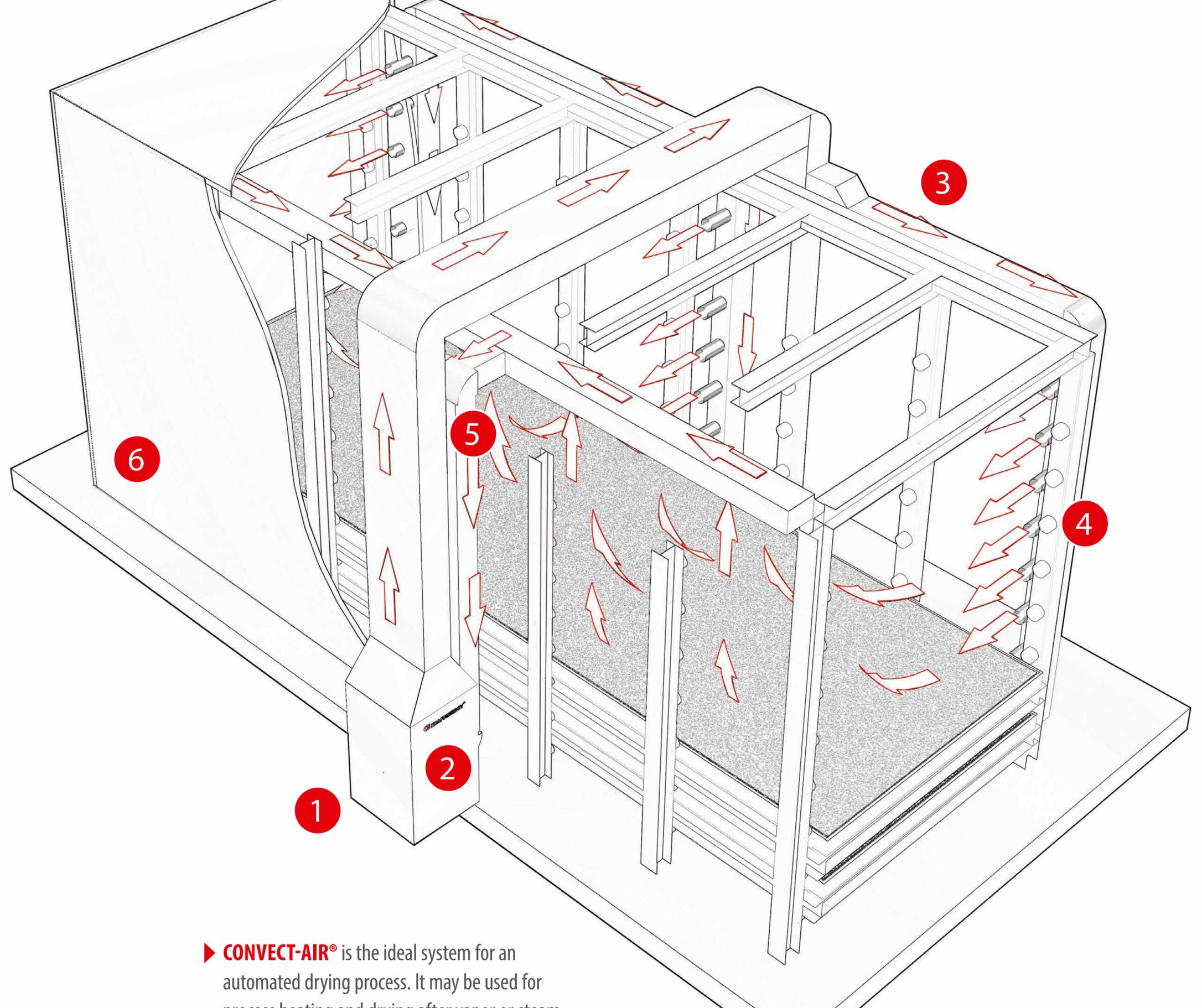


A simple two-point control system provides for automatic unsupervised temperature measurement and system control.



Custom-designed exhaust ventilator with manual gravity or electrically actuated damper for the reduction of humidity in the curing chamber.

(not depicted)



► **CONVECT-AIR®** is the ideal system for an automated drying process. It may be used for process heating and drying after vapor or steam curing or for the drying of wet cast or veneer stone products where residual moisture may create quality issues.

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