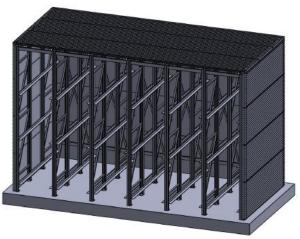


TECHNICAL DATA SHEET

Vapor Curing System 200 01/2018



Picture only, original version can vary

Section 1: Product Specification

1.1. Trade name

Vapor Curing System 200

1.2. Manufacturer

Luca Industries International GmbH
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Fax: +49 30 457989689
Email: info@luca-industries.com

The accelerated vapor curing system for **LithoPore®** foamed concrete provides efficient and accelerated curing up to 70° C and 99 % relative humidity. Temperature and humidity are consistent throughout the entire curing chamber.

After the predetermined waiting phase 1, usually four (4) to twelve (12) hours, during which the **LithoPore®** foamed concrete achieves its green strength and can be cut in case of block production, the curing chambers will be loaded. Once the chamber is completely filled the tarp door is closed, the temperature is slowly increased at approximately 15 K per hour, over a period for four (4) hours during the Ramp phase. Once the **LithoPore®** foamed concrete has reached maximum temperature, it is held at that temperature as long as necessary (final treatment phase).

A circulation unit – one (1) unit per chamber – is included to ensure consistent temperature and humidity inside the curing chamber for consistent strengths and colors.

At the conclusion of the final treatment phase, the exhaust system removes warm moist air – essentially drying the chamber and floor during the exhaust phase, which lasts between 30 minutes and one (1) hour.







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Section 2: Technical data	
Number of chambers:	4

Dimensions each chamber:

Depth: ~3.14 m
Width: ~13.50 m
Height: ~4.25 m
Curing temperature: 70°C
Humidity range: 99 %
LithoPore® foamed concrete / chamber: 30 m³

Quantity of moulds with large blocks in

Height / chamber: 2 each

Depth / chamber: 2 each

Width / chamber: 8 each

Moulds / chamber: 32 each

Storing / operating temperature: +5°C to +60°C

Electrical data

Vapor generator motor

Sets: one (1)
Power: 11 kW

Voltage: 400 V / 3 PH / 50 Hz

Axial exhaust ventilator

 Sets:
 four (4)

 Power:
 0.19 kW

Voltage: 400 V / 3 PH / 50 Hz

Axial circulation ventilator

Sets: four (4)
Power: 0.19 kW

Voltage: 400 V / 3 PH / 50 Hz

General

Amperage: 20 A

Voltage: 230 V / 1 PH / 50 Hz

Fuel

Gas 28 m³/h (10.7 kW/m³) constant and regulated at 1

or bar pressure

Diesel 42 l/h (7.3 kW/m³ constant and regulated a 1 bar

Pressure

Fresh Air 360 m³/h (6m³/minute/300 kW)

Water

Volume: 0.48m³/h maximum

Pressure: 3.00 bar Hardness: 1°

Quality: standard (European accepted water quality)







TECHNICAL DATA SHEET

Vapor Curing System 200 01/2018

Section 3: Application
The Vapor Curing System 200 is only suitable for the LithoPore® plant concept. It is not sold separately.
The vapor curing system 200 is only suitable for the Lithorore plant concept. It is not sold separately.
The information contained in this product specification is based on our current state of knowledge and experience. It does not free the user from making his own tests and trial applications. A legally binding assurance of certain properties cannot be inferred from this information. Any existing patent rights as well as any pertinent legal regulations must be observed by the recipient of our products under his own responsibility.



