



ElectroBoiler

Comfort+Close Control
Humidification Production

Vapac 50 YEARS

Caring for you and your environment
through humidification for 50 years

Distributor:

HUMIDITY
SOLUTIONS
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Humidity House | 1140a Axis
Cleeve Road | Leatherhead
Surrey | KT22 7ND

01372 571200 | humiditysolutions.co.uk
info@humiditysolutions.co.uk

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VapaNet Control System

The LE and LEP feature the VapaNet control system which is designed with user interaction in mind. It is easy for the user or engineer to gain instant information about the performance of the humidifier.

LE Comfort Control Model (± 10%)

Incorporating an intelligent combination of feeding, boiling and draining to minimise wastage of water and energy. Water level control technology gives a performance turndown of between 20% and 100% of designated unit performance.

LEP Close Control Model (± 5%)

The unique Pulsed Energy control provides infinitely variable steam output from 8% up to 100% of full capacity. Typically, the VapaNet Pulsed Energy (LEP) can be used in close tolerance applications.

Room Distribution Unit (RDU)

This is available for both LE and LEP models up to 18 Kg/hr and would be ideal for applications where AHU/ducts are unavailable. They can be supplied either fixed to the humidifier or loose for remote mounting directly into the room.



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FEATURES

9 Capacities	5 - 110 Kg/hr steam generation	Foam Protection	Built in foam protection
Close Control + Comfort Control Versions	On/Off control (LE) Water Level control 20 - 100% (LE) Pulsed Energy control 8 - 100% (LEP)	Control Features	The humidifier can be controlled directly from either a duct or room mounted sensor, supplied by Vapac or any other leading brand, or an external signal
Electrical Supply Options	400v 3 phase + 230v 1 phase	Steam Accessories	Steam hose Steam distribution pipes Condense separators External enclosures
User Display	User display - user friendly	Optional Accessories	Range of Disposable and Cleanable steam cylinders Cylinders to suit all types of mains water qualities Range of different length Steam distribution pipes Controlling Room and duct Sensors High limit Humidistats and pressure differential switches for safety interlock Weather proof housings Room distribution units for direct air applications
Control Network	Able to be connected to all major BMS systems		
Run and Alarm Interface	Remote interface		
Master/Slave Option	VapaNet allows for a maximum of 10 cylinders to communicate within a Master/Slave system with an interconnecting two-core cable		
Drain Pump	Positive removal of scale from cylinder reducing maintenance frequency		

TECHNICAL DATA

Operating Limits	Water Supply	Water and Drain Connections
Ambient Air Temperature: 5°C to 35°C Water Temperature‡ 1°C to 30°C Duct Pressure: +2000 to -600 Pa	Conductivity: 80 to 1000µs Ph: 7.3 to 8.0 Supply Pressure: 1 to 8 bar Silica: 0 Hardness: 50 to 500 ppm	Supply Water: ¾" BSP Drain Outlet: 35mm OD

STEAM OUTPUT+ELECTRICAL REQUIREMENTS								
Model	Maximum Steam Output Kg/hr	Number of Cylinders +Steam Outlets	Diameter of Steam Outlets mm	Voltage V	Electrical Supply	Maximum Power Rating kW	Full Load Current Range (per cyl) Amps	Maximum Fuse Rating Range Amps
LE05	5	1	35	230	1 Phase	3.72	17	16
LE09	9	1	35	230	1 Phase	6.68	30.5	32
LE09	9	1	35	400	2 Phase	6.86	18	32
LE18	18	1	35	400	3 Phase	13.53	20.5	32
LE30	30	1	54	400	3 Phase	22.43	34	50
LE45	45	1	54	400	3 Phase	33.65	51	63
LE60	60	2	54	400	3 Phase	44.86	68 (34)	2 x 50
LE90	90	2	54	400	3 Phase	67.3	102 (51)	2 x 60
LE110	110	2	54	400	3 Phase	81.82	124 (62)	2 x 80

All 3 phase measured at 400V

STEAM OUTPUT+ELECTRICAL REQUIREMENTS								
Model	Maximum Steam Output Kg/hr	Number of Cylinders / Steam Outlets	Diameter of Steam Outlets mm	Voltage V	Electrical Supply	Maximum Power Rating kW	Full Load Current Range (per cyl) Amps	Maximum Fuse Rating Range (per phase) Amps
LE05P	5	1	35	230	1 Phase	3.78	19.5	32
LE09P	9	1	35	230	1 Phase	6.76	35.5	63
LE09P	9	1	35	400	2 Phase	6.79	20.5	32
LE18P	18	1	35	400	3 Phase	13.48	23.5	32
LE30P	30	1	54	400	3 Phase	22.38	39	50
LE45P	45	1	54	400	3 Phase	33.85	59	80
LE60P	60	2	54	400	3 Phase	44.81	73 (36.5)	2 x 50
LE90P	90	2	54	400	3 Phase	67.5	110 (55)	2 x 80

All 3 phase measured at 400V

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DIMENSIONS+WEIGHTS

Cabinet Model	LE05 LE05P	LE09 LE09P	LE18 LE18P	LE30 LE30P	LE45 LE45P	LE60 LE60P	LE90 LE90P	LE110 -
Number of Cylinders	1	1	1	1	1	2	2	2
Height mm	676	676	676	810	810	810	810	810
Width mm	430	430	430	520	520	990	990	990
Depth mm	320	320	320	415	415	415	415	415
Dry Weight Kg	34	36	39	40	40	74	75	75
Wet Weight Kg	48	48	50	66	67	127	128	128
ROOM DISTRIBUTION UNIT (FITTED)								
Height mm	205	205	205	-	-	-	-	-
Width mm	430	430	430	-	-	-	-	-
Depth mm	265	265	265	-	-	-	-	-
Dry Weight Kg	6	10	12	-	-	-	-	-



NORTEK
GLOBAL HVAC

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NORTEK GLOBAL HVAC (UK) LTD
Fens Pool Avenue | Brierley Hill
West Midlands | DY5 1QA | UK
+44 (0)1384 489 250

vapacsales@nortek.com | nortek.com

