

Resistance Heater

Comfort/Close Control Humidification Production



Humidification and Steam Generation Specialists

Vapac[®]

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VapaNet Control System

The LR and LRP incorporates the highest technology software and hardware, so that first class performance is ensured regardless of system demands or water quality. This technology allows the LR and LRP to be fed not only with demineralised water, but also with softened or normal tap water. The VapaNet controls the mineral concentration of the water and keeps it under close control at all times.

Room Distribution Unit (RDU)

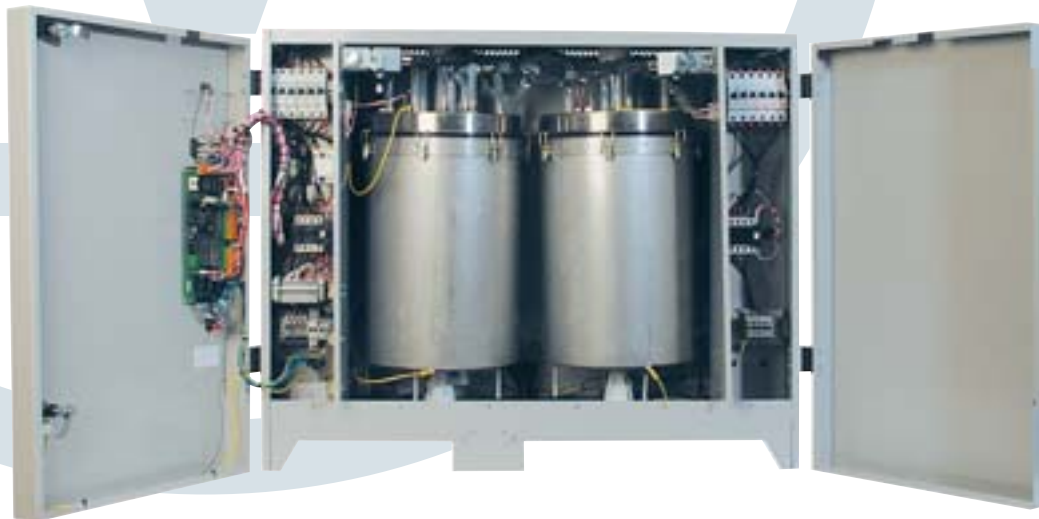
This is available for both LR and LRP models up to 30 Kg/hr and would be ideal for applications where AHU/ducts are unavailable. They can be supplied either fixed to the humidifier or loose for remote mounting directly into the room.

Low Maintenance

The robust stainless steel cylinder construction means that you can continue using the same cylinder for thousands of hours of operation. In addition, the use of demineralised water not only offers almost 'maintenance-free' cylinders, but also maintains steam production, since the only disturbances come in the form of cold water feeds.

VRO600 Reverse Osmosis Unit

Using demineralised water could produce nominally two years operation without the need for anything more than a visual inspection, representing a much cheaper, long-term option as maintenance costs are comparatively low.



Steam Output and Electrical Requirements

Model	Maximum Steam Output Kg/hr	Number of Cylinders / Steam Outlets	Diameter of Steam Outlets mm	Electrical Supply	Voltage Supply V	Maximum Power Rating kW	Full Load Current Range (per phase) Amps	Maximum Fuse Rating Range (per phase) Amps
LR05	5	1	35	Phase + N	200 250	2.9 4.56	14.6 18.2	20 20
LR10	10	1	35	Phase + N or 3 Phase	200 440	5.7 9.26	28.7 12.2	32 20
LR20	20	1	54	3 Phase	200 440	11.48 18.52	33.1 24.3	40 32
LR30	30	1	54	3 Phase	200 440	17.51 28.26	50.6 37.1	63 40
LR40*	40	2	54	3 Phase	200 440	2×11.48 2×18.52	2×33.1 2×24.3	2×40 2×32
LR50*	50	2	54	3 Phase	200 440	1×17.51 1×11.48 1×28.26 1×18.52	1×50.6 1×33.1 1×37.1 1×24.3	1×63 1×40 1×40 1×32
LR60*	60	2	54	3 Phase	200 440	2×17.51 2×28.26	2×50.6 2×37.1	2×63 2×40

*LR40, LR50 and LR60 models use 2 power supplies. See installation and operational manual for full electrical specification.

Features

- ⓧ **Seven Capacities**
 5 - 60 Kg/hr steam generation.
- ⓧ **Close Control and Comfort Control Versions**
 On/Off control (LR)
 Water Level control 20 - 100% (LR)
 Pulsed Energy control 8 - 100% (LRP)
- ⓧ **Various Water Types**
 The unit can operate with demineralised, deionised, softened and potable raw mains water.
- ⓧ **User Display**
- ⓧ **Control Network**
- ⓧ **Run and Alarm 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.
- ⓧ **Stainless Steel Cylinder**
 The stainless steel cylinder incorporates a removable plastic liner, which makes it easy to clean and maintain.
- ⓧ **Stainless Steel Drain Tray**
- ⓧ **Drain Pump**
- ⓧ **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.



Technical Data

Operating Limits	Water Supply	Water and Drain Connections
Ambient Air Temperature ‡ 5°C to 35°C	Conductivity: 0 to 1000µs Ph: 7.3 to 8.0	Supply Water: ¾" BSP Drain Outlet: 35mm OD
Water Temperature ‡ 1°C to 30°C	Supply Pressure: 1 to 8 bar Silica: 0	
Duct Pressure: +2000 to -600 Pa	Chlorine: 170 ppm Max	

‡ Without frost protection.



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LR05P	5	1	35	Phase + N	200 250	2.9 4.56	14.6 18.2	20 20
LR10P	10	1	35	Phase + N or 3 Phase	200 440	5.7 9.26	28.7 12.2	32 20
LR20P	20	1	54	3 Phase	200 440	11.48 18.52	33.1 24.3	40 32
LR30P	30	1	54	3 Phase	200 440	17.51 28.26	50.6 37.1	63 40
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Dimensions and Weights

Model		LR05 LR05P	LR10 LR10P	LR20 LR20P	LR30 LR30P	LR40 LR40P	LR50 LR50P	LR60 LR60P
Number of Cylinders		1	1	1	1	2	2	2
Height	mm	810	810	810	810	810	810	810
Width	mm	520	520	520	520	990	990	990
Depth	mm	415	415	415	415	415	415	415
Dry Weight	Kg	34	35.5	39	40	72.5	73.5	74.5
Wet Weight	Kg	48	49.5	65.5	66.5	125.5	126.5	127.5
Room Distribution Unit (Fitted)								
Height	mm	205	205	205	205	–	–	–
Width	mm	377	377	435	602	–	–	–
Depth	mm	360	360	360	360	–	–	–
Weight	Kg	6	10	12	14	–	–	–



The Vapac logo is an internationally registered trademark and its equipment is covered by international patents.

We reserve the right to change the design or specification of the equipment without prior notice.

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