

LE-D Comfort Control Model



Vapanet control systems are designed for easy control of LE-D and LEP-D Humidifiers. Both an engineer and a user can read the performance datas easily.

It incorporates an intelligent combination of feeding, boiling and draining to minimize wastage of water and energy. Water Level control technology gives a performance turndown of between 20% and 100% of designated unit performance



Features

- Different Capacity between 5-110 Kg/hr steam generation.
- Water Level Control 20-100% (LE-D)
- Control with all analog DC signals and potentiometric signal
- Electric feeding options 200-400 volt, Phase+Notr or 2 Phase, 3 Phase
- Digital User Screen (Display)
- Communication ability with BMS Systems.
- Ability to send Running/Fault signals to BMS System.
- Ability to colligate up to 10 units and control as 1 unit
- Foam Protection.
- Stainless steel drain tray
- Control features Drain Pump
- It can be controlled by a sensor which is installed in a humidifier duct or VAPAC installed in a room or any other signal which comes from outdoor.

Operating limits	
Ambient temperature	5 - 35 °C
Water temperature	1° to 30°C
Duct pressure	-600 -2000Pa

Water Supply	
Conductivity	80-1000 µS
PH	7.3 - 8.0
Silica	o
Water Pressure	1 - 8 Bar
Hardness	50-500ppm

Capacity, Electric Information, Dimensions and Weight

On/Off and Proportional Control (%20-100)										
Code		40112105	40112109	40112118	40112130	40112145	40112155	40112160	40112190	40112110
Model		LE05D	LE09D	LE18D	LE30D	LE45D	LE55D	LE60D	LE90D	LE110D
Max. Steam Output	kg/h	1-5	1.8-9	3.6-18	6-30	9-45	11-55	12-60	18-90	22-110
Number of cylinders		1	1	1	1	1	1	2	2	2
Diameter of Steam	mm	35	35	35	54	54	54	54	54	54
Voltage	V	200/ 440	380/440							
Electricity supply		Phase+N or 2Phase	3 Faz							
Mak. Electric Power	kW	3.8	6.8	13.5	22.5	33.9	41.37	45	67.8	82.74
Full load current (for each phase)	Amper	9/19.5	16/35.5	18.5/40.5	31/68	46/54	114 /132	62/71	92/108	114/132
Max. fuse value (for each phase)	Amper	32/16	63/25	50/32	80/50	63	80	2x50	2x63	2x80
Height	mm	676	676	676	810	810	810	810	810	810
Width	mm	430	430	430	520	520	520	990	990	990
Depth	mm	320	320	320	415	415	415	415	415	415
Dry Weight	kg	34	36	39	40	40	40	74	75	75
Wet Weight	kg	48	50	66	67	67	67	127	128	128

Note: LE55D and LE110D voltage should be over 400 V. Conductivity should be between 400-1000 µS.