

- Steam humidifiers with resistances
- 5 - 60 kg/h



Humidifiers with electrical resistances type LRPD

Steam humidifier with resistances suitable for all water types. Proportional control of the resistances and LCD display included. Available in capacities from 5 kg/h to 60 kg/h.

Brand

- Vapac

Application

- Office buildings
- Hospitals
- Pharmaceutical industry
- Computer rooms
- Printing industry
- Warehouses
- Museums

Material

- Housing made from pre-lacquered sheet steel
- Cleanable stainless steel cylinder with incoloy electrical resistances

Specifications

- Capacities from 5 to 30 kg/h with a single cylinder and from 40 to 60 kg/h with a double cylinder. Larger capacities (up to 300 kg/h) possible via Master/Slave principle (max. 10 cylinders)
- Modulating control of the resistance elements via pulse modulating principle (from 8% to 100%) for a fast reaction to the external control signal
- Equipped with a display for reading out statuses and messages as well as LED indication for easy checking of operation and malfunctioning
- Inspection door with hinges and twist lock for easy inspection
- Equipped with operating and fault signals, connectable to BMS

Accessoires

- Steam distribution pipe, type **SDP**, from lengths from 300 to 1400 mm:
 - **SDP 35** for units from 5 to 18 kg/h
 - **SDP 54** for units from 20 to 90 kg/h
- Steam hose, type **ST-HS**:

- **ST-HS 35/47** for units from 5 to 18 kg/h
- **ST-HS 54/68** for units from 20 to 90 kg/h
- Steam blower, type **RDU**
- HVAC controller, type **OPTIGO 5**
- Humidity transmitter for ducts, type **DTTH**
- Automatic room hygrostat, type **HR-S/ EBERLE 6001** for ON/OFF control
- High limit safety hygrostat for duct mounting, type **HMH** for ON/OFF control
- Safety pressostat, type **DTV**

Order example

LRPD 1034

Explanation

LR = Type of steam humidifier

PD = Proportional control with display

10 = Steam capacity in kg/h (see table)

3 = Number of resistance elements three phase, **1** = single phase, **6** = three phase (two elements per phase)

4 = Heating voltage 400V AC, **2** = 230V AC

		Technical data						
		522	1034	2064	3064	4064	5064	6064
Steam capacity	kg/h	5	10	20	30	40	50	60
Steam capacity range	kg/h	0,4-5	0,8-10	1,6-20	2,4-30	3,2-40	4-50	4,8-60
Rated power	kW	3,86	8,24	16,48	25,14	2x16,48	25,14+16,48	2x25,14
Phase	number	1	3	3	3	3	3	3
Voltage	V	230	400	400	400	400	400	400
Current	A	16,8	10,5	21	32	2x21	32+21	2x32
Power cable section	mm ²	3G 2,5	5G 2,5	5G 6	5G 6	2x 5G 6	2x 5G 6	2x 5G 6
Device data								
Steam cylinder	piece	1	1	1	1	2	2	2
Dimensions	width mm	520	520	520	520	990	990	990
	height mm	810	810	810	810	810	810	810
	depth mm	415	415	415	415	415	415	415
Weight (empty)	kg	34	35,5	39	40	72,5	73,5	74,5
Operating weight (max.)	kg	48	49,5	65,5	66,5	125,5	126,5	127,5
Steam distributors								
35-300 mm	piece	1	1	-	-	-	-	-
35-450 mm	piece	1	1	-	-	-	-	-
35-600 mm	piece	1	1	-	-	-	-	-
35-750 mm	piece	1	1	-	-	-	-	-
35-900 mm	piece	1	1	-	-	-	-	-
35-1050 mm	piece	1	1	-	-	-	-	-
54-450 mm	piece	-	-	1	1	2	2	2
54-650 mm	piece	-	-	1	1	2	2	2
54-900 mm	piece	-	-	1	1	2	2	2
54-1400 mm	piece	-	-	1	1	2	2	2
Steam blowers								
5 kg/h	piece	1	-	-	-	-	-	-
10 kg/h	piece	-	1	-	-	-	-	-
20 kg/h	piece	-	-	1	-	-	-	-
Steam hoses								
Steam hose Ø 35/47 mm	meter	1	1	-	-	-	-	-
Steam hose Ø 54/67 mm	meter	-	-	1	1	2	2	2