



Diphusair Electrodes & Resistances SL

Steam humidifier

- Reliable and cost effective
- Quick and simple installation
- For immediate delivery
- All operational data at a glance
- Proven quality

fisair.com





The economical, high-quality solution



Do you need a reliable steam humidifier – one that is an especially good value for the money?

Then the Diphusair Electrodes & Resistances SL from is just what you have been looking for: a well-designed, quality steam humidifier that is easy to maintain – and with short delivery times.



Picture shows Diphusair Electrodes & Resistances SL (electrodes)



All in the green zone

Reliable steam humidification at a reasonable price

Compact and space-saving

Very easy to maintain

Cabinet basin made from corrosion-resistant stainless steel

Auto-adaptive water management

Hygienic humidification with mineral-free steam

Heavy-duty blow-down pump



The heavy-duty blow-down pump supports the combined rinsing and scale collection system by draining the scale deposits. The deposits are discharged, before accumulating in the first place. This reduces the quantity of scale in the filter and lengthens servicing intervals.

Total control – All necessary information at a glance

With the clear LED display of the Diphusair Electrodes & Resistances SL series you always have important humidifier and process data at hand. The simple display icons immediately show the status of the steam humidifier. The operating buttons ensure quick, intuitive navigation through the clear, easy to understand menu.



Reusable, cleanable steam cylinder



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One Humidifier – two variations

The Diphusair Electrodes & Resistances SL can be used as an electrode or heater element steam humidifier.



Full-surface electrode

Electrode steam humidifiers are the ideal solution if you need simple, reliable steam humidification. Because of solid stainless steel, the full-surface electrodes are especially durable and have no problems with tap water. The electrodes do not have to be replaced so often. This keeps maintenance costs low.



Heater elements

Steam cylinders with resistance type heater elements are suitable for many water qualities, especially for treated water. They ensure an extremely high degree of control precision and guarantee operation with virtually no disruptions or need for maintenance.



Technical data for Diphusair Electrodes & Resistances SL (electrodes)

A higher humidification performance is possible by connecting units together.

Type	SLE02	SLE05		SLE10	SLE15	SLE20	SLE30	SLE45	SLE65
Steam output [kg/h]	1.9 - 2.1	4.4 - 4.8	4.8 - 5.2	9.5 - 10.4	14.3 - 15.6	19.0 - 20.7	28.5 - 31.2	42.7 - 46.8	62.0 - 67.5
Electrical connection *	220-240V / 1 / N / 50-60 Hz			380-415V / 3 / 50-60Hz					
Electrical power [kW]	1.4 - 1.6	3.3 - 3.6	3.6 - 3.9	7.1 - 7.8	10.7 - 11.7	14.3 - 15.5	21.4 - 23.4	32.0 - 35.1	46.3 - 50.6
Rated current [A] **	6.5	15.0	5.4	10.8	16.3	21.7	32.5	48.8	70.4
Fuse [A] **	1 x 10	1 x 16	3 x 10	3 x 16	3 x 20	3 x 35	3 x 40	3 x 63	3 x 80
Number of cylinders	1								
Control	Diphusair Electrodes & Resistances SL								
Control voltage [V]	220 - 240 separate								
Steam hose connection [mm]	1 x 25					1 x 40		2 x 40	
Condensate hose connection [mm]	1 x 9	1 x 12						2 x 12	
Weight (empty) [kg]	9	12			20			39	41
Weight (operating) [kg]	12	17			34			75	77
Dimensions WxHxD [mm] ***	350 x 375 x 245	350 x 535 x 245			425 x 695 x 320			590 x 790 x 415	
Water supply	Tap water of different qualities								
	1 to 10 bar (100 x 10 ³ to 1000 x 10 ³ Pa), for 3/4" external thread								
Waste water connection	Connecting piece Ø 1 1/4"								

We reserve the right to make technical changes.

* Other voltages upon request.

** 1.1-fold the power consumption after full blowdown. Pay attention to the automatic triggering of the circuit breakers. If required, select the next highest circuit breaker level.

*** Outer width and depth dimensions. Height including drain connection.

Technical data for Diphusair Electrodes & Resistances SL (heater elements)



A higher humidification performance is possible by connecting units together.

Type	SLH03	SLH06		SLH09	SLH15	SLH25	SLH40	SLH50
Steam output [kg/h]	2.7 - 3.3	5.5 - 6.5		8.2 - 9.8	13.7 - 16.4	22.7 - 27.1	36.5 - 43.5	45.5 - 54.3
Electrical connection *	220-240V / 1 / N / 50-60 Hz			380-415V / 3 / 50-60 Hz				
Electrical power [kW]	2.1 - 2.4	4.1 - 4.9		6.2 - 7.3	10.3 - 12.3	17.1 - 20.3	27.3 - 32.6	34.1 - 40.7
Rated current [A] **	9.4 - 10.2	18.7 - 20.4	10.7 - 11.7	16.0 - 17.5	15.6 - 17.1	25.9 - 28.3	41.5 - 45.4	51.8 - 56.6
Fuse [A] **	1 x 16	1 x 25	3 x 16	3 x 20		3 x 32	3 x 50	3 x 63
Number of cylinders	1							
Control	Diphusair Electrodes & Resistances SL							
Control voltage [V]	220 - 240 separate							
Steam hose connection [mm]	1 x 25					1 x 40	2 x 40	
Condensate hose connection [mm]	1 x 12						2 x 12	
Weight (empty) [kg]	14				23		45	
Weight (operating) [kg]	19				38		82	
Dimensions WxHxD [mm] ***	350 x 535 x 245				425 x 695 x 320		590 x 790 x 415	
Water supply	Water supply Fully demineralized water / cleaned condensate / partially softened water tap water (different qualities) 1 to 10 bar (100 x 10 ³ to 1000 x 10 ³ Pa), 13 mm hose							
Waste water connection	Connecting piece Ø 1 1/4"							

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*** Outer width and depth dimensions. Height including drain connection.



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