



HIGH EFFICIENCY



SMART CONTROLS



EASY INSTALLATION

ELECTRODE STEAM HUMIDIFIER



PRODUCT DESCRIPTION

PSYCHROMET PSE series electrode humidifier can provide stable and continuous steam humidification, and it is very easy to install, use and maintain. And meet European quality standards.

TECHNICAL FEATURES

The 32-bit CPU is used as the main control chip, which has the advantages of high reliability and fast operation speed.

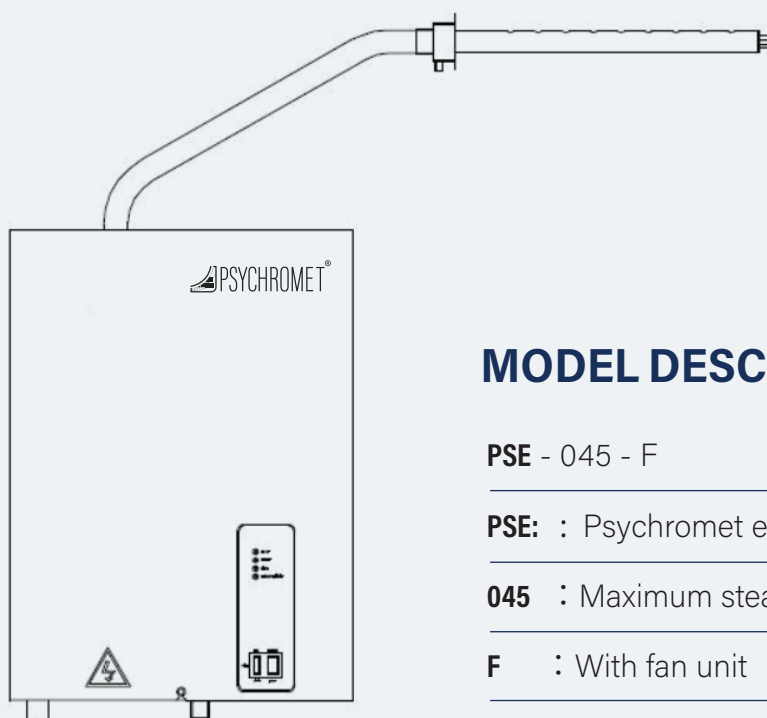
Accuracy control $\pm 5\%$, LED display or liquid crystal display optional.

It can receive a variety of proportional signals: 0~10V, 0~5V, 2~10V, 4~20mA, 0~20mA and other signals; switch control signals.

The detachable humidifying barrel makes maintenance more convenient and lower maintenance cost.

The multi-level password menu settings can adjust the operating parameters according to the site conditions, making the humidifier more applicable.

Provide 485 communication interface, which can support various network monitoring modes, such as building automation.



MODEL DESCRIPTION

PSE - 045 - F

PSE : Psychromet electrode type with inbuilt LED display

045 : Maximum steam output 45kg/h

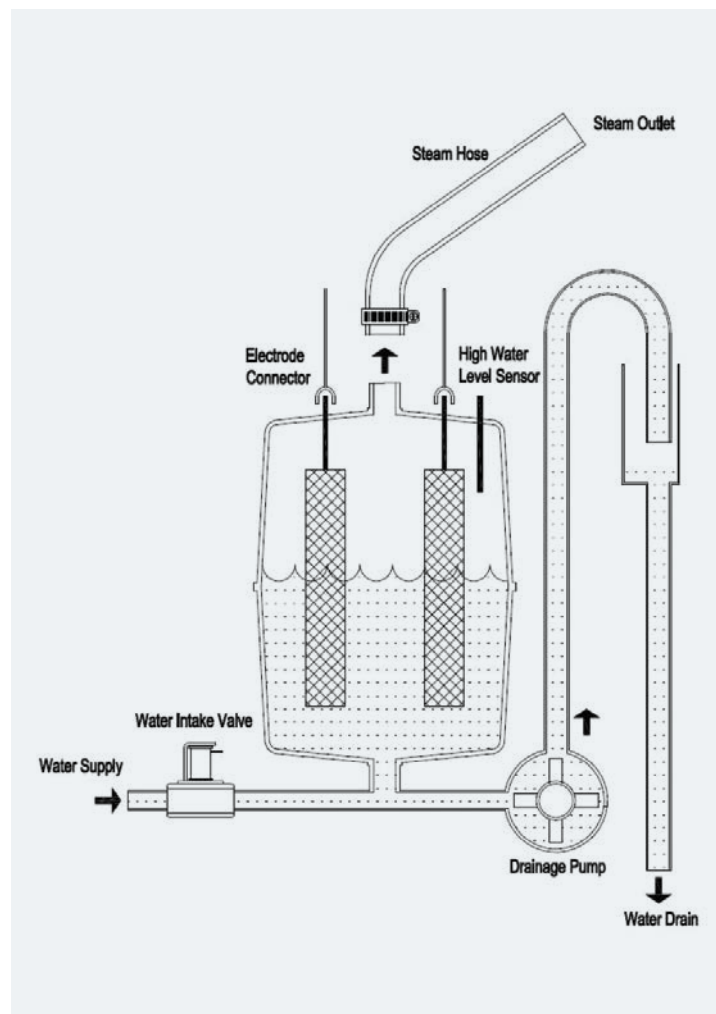
F : With fan unit

HOW UNIT OPERATES

This electrode steam humidifier uses of tap water to generate steam. When there is water in the cylinder, the energized electrode is inserted in the water and generates current through the use of water conductivity, then the water is heated and boiled to output steam.

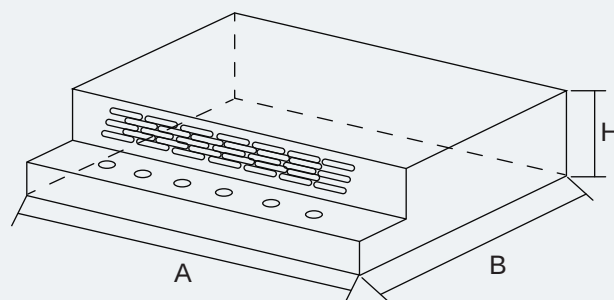
The micro-processing controller controls to produce steam in the shortest time.

The circuit board controls the water level automatically and precisely. For any change of settings, humidifier response rapidly and accurately.



Steam blower (optional)

Applicable models		PSE-004/008-F	PSE-015/023-F
Dimensions	A (mm)	360	430
	B (mm)	240	300
Weight	H (mm)	165	165
	kg	12	15.0



Model		PSE-004	PSE-008	PSE-015	PSE-023	PSE-030	PSE-045	PSE-065	PSE-090	PSE-130
Heating Voltage		maximum steam output								
400V 3Ph 50~60Hz	kg/h	4.0	8.0	15.0	23.0	32.0	45.0	65.0	90.0	130.0
230V 1Ph 50~60Hz	kg/h	4.0	8.0							
Power	KW	3.0	6.0	11.3	17.5	24	33.8	48.8	67.5	97.5
Humidification tank model and quantity		C4×1	C8×1	C15×1	C23×1	C32×1	C45×1	C65×1	C45×2	C65×2
Control Voltage	230V 1Ph 50~60Hz									
Empty Weight	kg	8	8.3	12.5	13.0	16.9	17.1	19.0	27.5	29.0
Running Weight	kg	12.5	13.2	26.0	28.0	40.0	42.0	45.0	84.0	90.0
Dimensions	width (mm)	360		430		530			890	
	thickness (mm)	240		300		365			365	
	height (mm)	560		650		720			720	
Outer diameter and quantity of steam outlet	Ø (mm) ×n	22×1		35×1			35×2		35×4	
Number of steam nozzles	↑	1		1			2		4	
Control signal	0-10V DC ; 0-20mA ; 4-20mA ; or ON/OFF control									
water supply Outer diameter of water inlet	G3/4' male thread									
Water Pressure	0.1~0.5MPa									
Water Quality	Tap water, the conductivity of water is 125 to 1250 μs/cm									
Water Temperature	1~40℃									
Protection Level	IP21									
Drainage water temperature	Maximum 100℃									
Outer diameter of drain	Ø32mm optical port									


Energia Technologies FZE

PO. Box - 40486
 Factory : E1-24 & E1-25, Gate No.1
 Ajman Free Zone
 United Arab Emirates

+971 50 700 2976 +971 6 745 9831 www.energia.ae

