



HIGH EFFICIENCY



SMART CONTROLS



EASY INSTALLATION

PSYCHROMET RESISTIVE TYPE (PSR)



PRODUCT DESCRIPTION

PSYCHROMET PSR series electrode humidifiers can provide stable, continuous steam humidification, and are very easy to install, use and maintain. And reach 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.

Adopt LCD display screen, more human-computer interaction interface, simple operation, convenient setting, intuitive display of running status and alarm information.

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

It has both manual and automatic drainage functions, can set the automatic drainage interval and duration, and automatically replace the water with high ion concentration and many impurities in the water tank; and the humidifier can be automatically emptied when the humidifier is shut down for a long time to maintain the water quality in the tank clean.

This product has electric heating tube group multi-level control and single group power adjustment control. When receiving proportional control signal, it can realize continuous adjustment of humidification volume, and the control accuracy is as high as $\pm 1\%$.

It has a fast (pre-) heating function. When the water temperature in the evaporator is low and the input proportional control signal value is small, the humidifier will start the fast heating function, so that the water can quickly reach the evaporation state, and then the humidifier will switch to the proportional control mode.

It has a heat preservation function. When the humidifier is in a shutdown state, in order to quickly output steam for the next operation, the humidifier will automatically start heating multiple times to keep the water temperature at a high temperature.

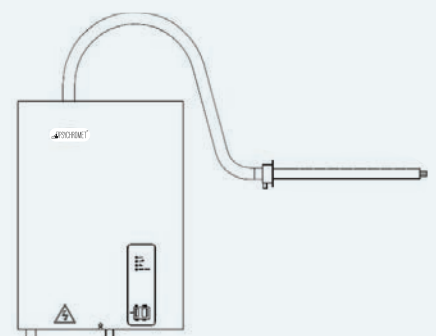
Provide 485 communication interface, which can support various network monitoring modes, such as building automation.

MODEL DESCRIPTION

PSR-080

PSR: PSYCHROMET RESISTIVE TYPE

080: Maximum steam output : 80kg/h

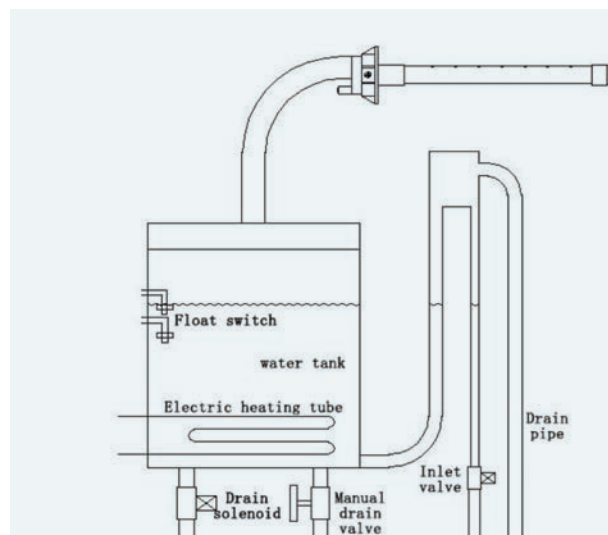


HOW UNIT OPERATES

Electric humidifier using resistance heating principle, electrify the electric heating tube immersed in the water, electric heating tube to generate heat, heat the water to boil, and generate clean steam.

As the water evaporates, the water level decreases, and the float switch moves, making the inlet solenoid valve automatically replenish water to the appropriate water level and keep generating steam.

PSYCHROMET PSR unique SCR power regulation module allows the humidifier to regulate the steam output with high precision and its unique preheating function, heat preservation function, overheat protection function, alarm function and remote monitoring function to ensure the humidifier intelligent, high reliability of the operation.



TECHNICAL DATA

Model		PSR 010	PSR 020	PSR 040	PSR 060	PSR 080	PSR 100	PSR 120	PSR 130	PSR 150	PSR 160
Maximum steam output	kg/h	10	20	40	60	80	100	120	130	150	160
	lb/h	22.2	44.4	88.8	133	177.6	222	266.4	288.6	333	355.2
Power	KW	7.5	15	30	45	60	75	90	97.5	112.5	120
Voltage	380~440V 3Ph 50~60Hz										
Control Voltage	24V DC (Built-in switching power supply)										
Empty Weight	kg	37.5	39	42	52	86	87.5	89	99	102	105
Running Weight	kg	56.5	58	67	77	227	229	231	269	272	275
Dimensions	width (mm)	470		530		820			940		
	thickness (mm)	420		420		580			580		
	height (mm)	800		850		975			975		
Outer diameter and quantity of steam outlet	Ø (mm)>(n	35X1		35X2		35X4			35X5		
Number of steam nozzles		1		2		4			5		
Optional steam nozzle specifications & lengths	Ø (mm)X L(mm)	35×450	35×600	35×900	35×1200						
Water Pressure	01~0.5MPa										
Water Quality	Deionized water, softened water, purified water										
Water Temperature	1~40°C										
Ambient Temperature	1~40°C										
Environment Humidity	Maximum 75%RH, no condensation										
Duct pressure	1.0~1.5KPa										
Protection level	1P21										
Inlet Diameter	G3/4" male thread (All-in-one); G1/2" female thread (Split)										
Drain Diameter	G3/4" internal thread										



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