

## INDUSTRIAL HUMIDIFIER

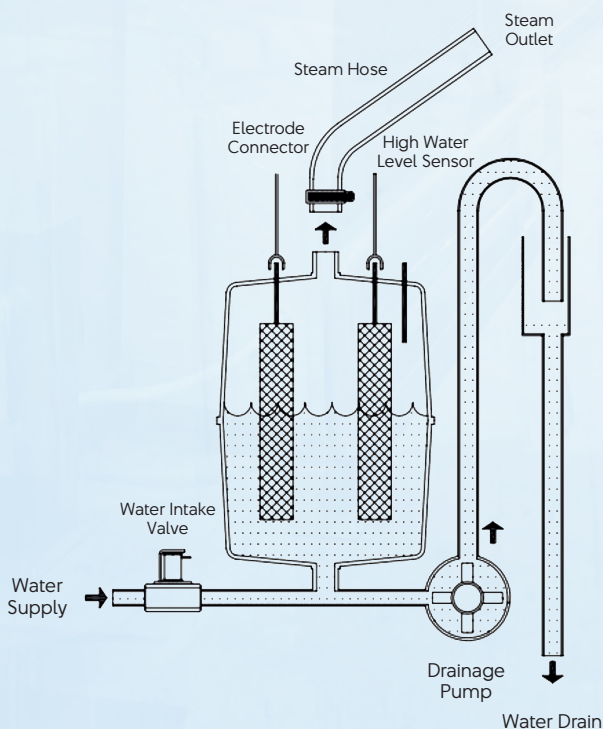


The DeAir.HM industrial humidifiers comprises eight models: DeAir.HM-6S, DeAir.HM-8S, DeAir.HM-15S, DeAir.HM-30S, DeAir.HM-45S, DeAir.HM-65S, DeAir.HM-90S, and DeAir.HM-130S. This unit is applied to increase air humidity in various industries such as manufacturing, construction, and agriculture. As a result, the air humidity stabilizes in environments like concrete curing, spray painting, greenhouses, and hotels.

### Nomenclature



### Working principle



When using tap water, supply water conductivity should range between 125 and 1250  $\mu\text{S}/\text{cm}$ . This electrode steam humidifier uses tap water to produce steam; once water fills the cylinder, the electrode activates a current that heats and boils the water to create steam.

The microprocessor controller enables production of steam in the shortest time, whereas the circuit board automatically maintains precise water levels. For any setting adjustments, the humidifier executes quickly and accurately.

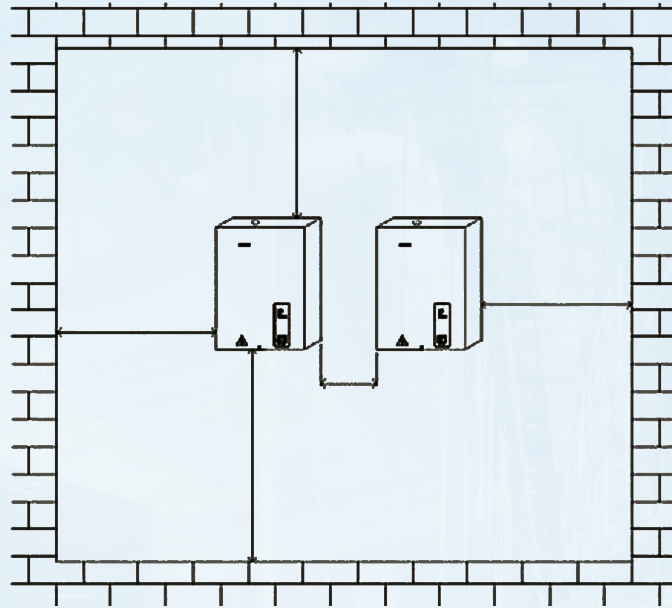
The DeAir.HM humidifier includes a drain pump with a larger inlet and outlet, enabling larger deposits to pass through and discharge efficiently. This design typically extends cylinder life 2-3 times compared to standard drain valves. Regularly check the cylinder electrode connector for secure attachment, and replace cylinders after 2-3 cleanings to sustain stable operation.



## Installation guide of humidifier

All procedures must be performed by qualified technicians. Use only the supplied accessories to install the unit, ensuring adherence to the required safety distances. Allow sufficient space for repairs and maintenance, and position the installation site to enable easy removal of the unit

To optimise performance, the distance between the humidifier and the steam distributor should be as short as possible. The steam hose length should ideally be under 2 metres and must never exceed 3 metres; if a longer distance is required, please consult the supplier. An open drainage funnel should be used to guarantee smooth drainage flow, and a water filter is necessary for the water intake pipe.



## Specifications

Model	Steam capacity	Power source	Power consumption	Steam outlet diameter	Dimension, (W x D x H)	Weight
	kg/h	V/Ph/Hz	kW	mm	mm	kg
DeAir.HM-6S	6	380/3/50	3	22x1	365 x 245 x 540	8.8
DeAir.HM-8S	8	380/3/50	6	22x1	365 x 245 x 540	9.3
DeAir.HM-15S	15	380/3/50	11.5	35x1	426 x 300 x 630	13.0
DeAir.HM-30S	30	380/3/50	24.3	35x1	525 x 360 x 750	16.0
DeAir.HM-45S	45	380/3/50	34.2	35x1	525 x 360 x 750	16.5
DeAir.HM-65S	65	380/3/50	48.8	35x1	525 x 360 x 750	20.0
DeAir.HM-90S	90	380/3/50	68.5	35x2	890 x 360 x 750	33.0
DeAir.HM-130S	130	380/3/50	97.5	35x2	890 x 360 x 750	39.0

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