

SPRAYVAP®

Medium-pressure humidifiers for industrial and civil applications

What continuous-flow water spray humidifiers have in common is that the water volume atomised within the airflow is only slightly greater than the water flow required for the airflow. The small percentage of unevaporated water is not re-circulated or re-atomised, but is channelled to the wastewater system for discharge.

The humidifier's injection system therefore constantly operates using fresh water according to the continuous flow principle.

The combination of our certified design and the exclusive use of microbially inert materials ensures a continuous hygienic operation.

Our Sprayvap® medium-pressure humidifier complies with all current industry standards. Our focus is on ensuring the best possible integration into process air applications.

By using a SIMATIC-S7, a wide-range of customer requirements can be customised or are already fulfilled as part of our patented control concept.

Sprayvap® can be adapted to any system size meaning that it is always a humidifier which exactly meets your requirements. The process reliability, control accuracy and high processing quality have already been proven repeatedly by our international customers. The hygienic innocuousness was tested by an independent third-party and confirmed through the issuance of the certificate for compliance with VDI 6022-1.



Additional Info & Downloads

↓ VDI 6022-1 Certified Sprayvap®

Application examples

↓ Medium-pressure humidifier with housing (V2A) Example 1

↓ Medium-pressure humidifier with housing (V2A) Example 2

↓ Medium-pressure humidifier with housing (V2A) Example 3

www.Lavair.com



1 Pump

without operating hour limitations



5-2000 l/h

Possible injection volume



70%

Ideal up to 70% humidification efficiency

Medium-pressure humidifiers

- > Pump type: maintenance-free, multi-stage centrifugal pump
- > Nozzle type: Swirl nozzle with/without lock function
- > Patented control concept

Feature variants

- > Available as an installation kit in an on-site empty chamber or with stainless steel housing from Lavair
- > Redundant design of the pump station

- > Master-slave concept for operating up to 5 humidifiers with one pump station
- > Droplet separator available in PPTV, stainless steel or V2A (if required)
- > Water meter for determining the water loss ratio
- > Pressure compensation tank to ensure fresh water supply in the event of mains fluctuations

Areas of application for continuous-flow water spray humidifiers, implemented as medium-pressure

- > Especially cost-effective in low to medium increases in humidification (0.1 to 4.0 g/kg)
- > Use in fresh air systems with partial recirculation or pure recirculation systems
- > Use in clean rooms and in the pharmaceutical and food industries
- > Use in larger building complexes with interconnected systems