

JETVAP®-Basic

Basic principle



The Jetvap®-Basic high-pressure system is ideal for use as a humidifier, as well as for adiabatic exhaust air cooling, ventilation and air-conditioning systems. Highly effective evaporation is achieved due to a constant, optimal spray pattern and the use of a microbacterially inert agglomerator. Due to a user-friendly design, the agglomerator can be reused over the entire lifetime of the humidifier. Chemical additives such as silver ions, biocides or hydrogen peroxide are not required for operation. All water-conducting components are made of non-corrosive materials such as stainless steel, plastic or ceramic, thus guaranteeing the highest quality!

The hygienic innocuousness was tested by an independent third-party and confirmed through the issuance of the certificate for compliance with VDI 6022-1.

Patented controls – Jetvap® – Modulating

The humidification output is controlled by the integrated frequency converter through the use of an output setting of between 0...100%.

Our patented Jetvap® – Modulating control concept serves as the basis for this.

The required performance can be delivered either via 0...10 V or alternatively via a Modbus.

By modulating the pressure range between 30...70 bar, a control accuracy of $\pm 0.5\%$ r.H. can be achieved in the performance range of between 10...100%.

In the 0-10% range, a clocked mode of operation is used according to the building management system's required performance, whereby a control accuracy of approx. $\pm 7\%$ r.H. can be achieved



Additional Info & Downloads

↓ VDI 6022-1 Certified Jetvap®-Basic

www.Lavair.com



30-70 bar

Pressure range



25-2750 l/h

Humidification possible



+/-0,5%

Control accuracy possible

Advantages of Jetvap®-Basic

- > Simple and intuitive operating concept
- > Low cleaning expenses required to ensure compliance with hygienic operating conditions
- > Hygienic operation due to the use of demineralised water
- > Very high control accuracy during nominal load operation
- > Long-lasting corrosion resistance due to stainless steel design

- > Also available with oil-lubricated or water-lubricated pump options
- > Also available as an installation kit for your empty housing or with Lavair stainless steel housing
- > Also available with buffer tank to ensure availability

Ideal areas of application for the Jetvap®-Basic

- > Building services, process air or adiabatic exhaust air cooling
- > Especially cost-effective in the case of low to medium humidity increases (0.1 to 6.0 g/kg)
- > Humidification capacity can be set between 22.5 kg/h and 1,100 kg/h
- > Air velocities between 1.5 m/s – 3.0 m/s