



CONDAIR LS

Live Steam Humidifiers

Precise, cost-efficient performance using pressure steam from facility boilers for reliable duct or AHU integration



Humidifiers designed to deliver reliable humidity from facility steam boilers.

People spend 90% of their lives indoors, therefore the importance of correct temperature and humidity levels are critical to personal health and comfort. Too much humidity can be as destructive as too little.

Manufacturing and industrial processes are also directly affected by the indoor environment. Like people, machines work better in favorable surroundings. All equipment and processes respond in various ways to temperature and humidity fluctuations. For maximum performance, reliable temperature and humidity are essential.

In hospitals, universities, museums, galleries, and other facilities, boiler steam humidification is a tried and true way to achieve reliable humidity control.

The Condair LS provides accurate, cost effective humidification directly utilizing steam from your central facility boiler. Constructed from quality 304 stainless steel, the LS Series humidifiers are designed for long operating life with minimal maintenance.

1. Steam inlet, strainer upstream to remove impurities.
2. Steam separator ensures only condensate-free steam is discharged into the air stream.
3. Condensate outlet to steam trap for recirculation to boiler for energy efficient operation.
4. Steam control valve meters steam entering dispersion tube.
5. Electric on/off and electric modulating actuators standard.
6. Steam outlet orifices sized for exact humidity output.

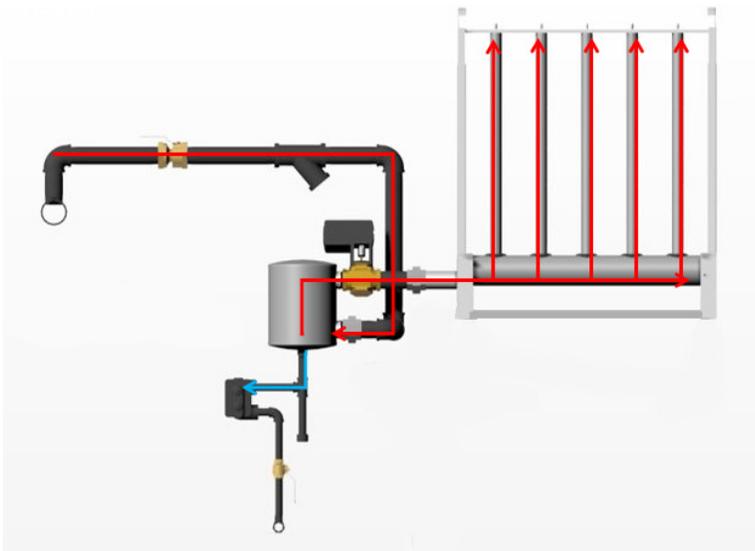


The Technology Behind the Condair LS

Condair LS live steam humidifiers provide precise humidity control using high quality bronze and stainless globe valves that are available in a variety of CV ranges. Paired with a spring return electric or pneumatic actuators, the Condair LS offers flexibility for many applications.

Steam is distributed through short absorption manifolds that are available in a variety of dimensions to suit many applications. Jacketed tube distributors offer exceptional value, and feature a steam heating.

Short absorption manifolds provide rapid steam absorption through the use of an array of steam distributor tubes attached to a central header. Available insulation ensures high efficiencies in addition to excellent performance.



Features

- Available with short absorption distributors
- Pressure ranges from 2-50 PSIG (14-345 kPa)
- High capacity system up to 3200 lbs/hr (1452 kg/hr)
- Economical and cost effective system to meet high humidity requirements
- Delivers precise humidity control
- Available tube insulation for increased efficiency
- Suitable for boilers operating on DI, RO or potable water
- Available electric controls

For any building with an existing clean steam supply, the Condair LS is the ideal humidification system. It presents very low operating costs with minimal service requirements.

The Condair LS at a Glance

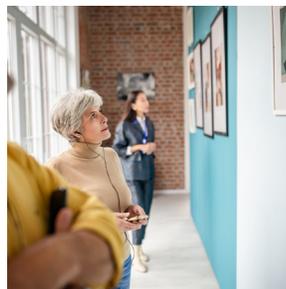
Specification	AM Series & AM Series Mini
Pressure range - psig (kPa)	2-50 (14-345)
Max. capacity multi-tube - lbs/hr (kg/hr)	3200 (1452)
Separator physical data - Height x Diameter	Custom
Standard actuator	Electric Modulating 0-10 VDC, 24 VAC
Standard steam trap	Float & Thermostatic
Separator and dispersion tube material	Stainless Steel 304
Options	
Electric on/off actuator	Yes
Tube insulation	Yes
DI water installation	Yes



Condair LS mounted with Condair AM manifold for short absorption distance applications.

Perfect for Where Performance Matters Most

- Hospitals
- Senior living
- Education facilities
- Government buildings
- Institutional buildings
- Printing plants
- Museums and galleries
- Commercial offices
- Call centers
- Pharmaceutical
- Automotive
- Aerospace



About Condair

Condair Group, founded in 1948 and based in Switzerland, is the global leader in humidification, dehumidification and evaporative cooling. Supported by science, we engineer tailored, holistic solutions that customers can trust. With optimal humidity, we increase productivity and create healthier built environments. Condair Group has production sites in Europe, North America and China and representatives in 50 locations worldwide. You can rely on our comprehensive portfolio of innovative technologies for air humidification, dehumidification and evaporative cooling to meet the needs of your application.