



ENGINEERED STEAM DISTRIBUTION WITH  
ZERO CONDENSATE LOSS

## Condair SAM-e, SAM-e Mini XL, and SAM-e Mini Short Absorption Manifold

**NEW**  
Features  
& Options



# Condair SAM-e Short Absorption Manifold

## Steam That Works Smarter — Cleaner, with Zero Water Waste

The Condair SAM-e features a short absorption manifold that delivers clean, precisely controlled steam uniformly into the airstream — without any condensate spray.

Designed for air handling units and duct systems where short absorption distance is critical, the Condair SAM-e ensures efficient, hygienic steam distribution even in tight spaces.

Steam is released through 304 stainless steel distributor tubes with integrated nozzles that extend into the center of each tube, allowing only condensate-free steam to enter the airstream.

Any condensate is efficiently drained through the header system, eliminating the need for jacketed tubes and simplifying installation.

- Precise and accurate humidity control
- Hygienic design
- Standard 304 stainless steel tubes
- **NEW** Optional 316 stainless steel tubes
- Easy installation
- **NEW** Optional preassembled units from the factory up to 60"x60" in size
- Maintenance-free operation
- Compatible with both atmospheric and pressurized (boiler) steam
- Integrated steam nozzles for uniform, condensate-free distribution
- Rapid absorption — short distance, fast integration
- Reduced condensate loss for improved energy efficiency
- Optional stainless steel air gap insulation for energy savings up to 70%
- No jacketed tubes required — simplified setup
- Available in a wide range of sizes
- **10-year warranty**



SAM-e Tube



Insulated SAM-e Tube



A closer look at the short absorption manifold insulated tube

## Condair SAM-e Mini Short Absorption Manifold

### Big Performance with a Mini Footprint



#### Short Absorption Manifold Condair SAM-e Mini

The popular SAM-e Mini unit is now available in a convenient 8" x 8" to 24" x 24" size range. Designed specifically for the smallest duct applications, the SAM-e Mini delivers the same trusted performance and reliability in a space-saving unit. Ideal for installations where space is limited but performance cannot be compromised.

#### All the same features and benefits as the Condair SAM-e plus...

- Perfect fit for small ducts with mini sizes available
- Vertical or horizontal installation
- Standard 304 stainless steel tubes
- **NEW** Optional 316 stainless steel tubes
- Easy installation
- **NEW** Optional preassembled units from the factory
- Easy integration into existing systems
- **10-year warranty**



**NEW**

0.75" Condensate Port on the opposite side of Inlet

#### **NEW** Short Absorption Manifold SAM-e Mini XL

- Available in a wider 24" x 24" to 36" x 36" size range
- The SAM-e Mini XL ensures loads as high as 210 lbs./hr
- The extended version features a condensate port opposite the inlet, enhancing installation flexibility for diverse applications
- Plus all the same features and benefits from the Condair SAM-e & the Condair SAM-e Mini

#### **NEW** Optional 316 Stainless Steel Tubes

#### **NEW** Optional Preassembled Units from the Factory

**NEW**

### Achieve Zero Water Waste with an Electric Condensate Pump



An electric condensate sump pump can be used to return condensate to the low-pressure condensate return main (boiler), to reduce water waste.

- Low cost compared to traditional pressurized pump
- 115 V electric operated
- 60ft of max. condensate lift
- 1-gallon heavy duty reversible reservoir
- Max temperature 212°F/100°C
- High water level safety switch

ENGINEERED FOR PERFORMANCE.  
WITH A 10 YEAR WARRANTY.

# What Condair Humidifiers can I use the SAM-e products with?



**Condair EL**  
Electrode Steam  
Humidifier



**Condair RS**  
Resistive Steam  
Humidifier



**Condair GS**  
Gas-Steam  
Humidifier



**Condair SE**  
Steam Exchange  
Humidifier

## Perfect for Where Performance Matters Most

- Commercial HVAC systems
- Hospitals & laboratories
- Cleanrooms & data centers
- Manufacturing facilities
- Office buildings

## Key Features About the SAM-e, SAM-e Mini XL, and SAM-e Mini

- 10 year warranty
- 100% stainless steel construction, except for the grommets
- Stainless steel insulation
- Easy installation and less moving parts
- No maintenance required
- **NEW** 316 stainless steel material option
- **NEW** Pre-assembled SAM-e/SAM-e Mini from factory

## The Condair SAM-e at a Glance

Feature	Condair SAM-e	Condair SAM-e Mini XL	Condair Mini
Duct Height Range	18"+	>24"-36"	8"-24"
Condensate Removal	Header Drain	Header Drain	Header Drain
Steam Release	Internal Nozzles	Internal Nozzles	Internal Nozzles
Energy Savings	Up to 70% w/installation	Up to 70% w/installation	Up to 70% w/installation

## Need BIM Models ?



Condair SAM-e



Condair SAM-e Mini

## 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.