



## Peninsula Gardens Improves Cannabis Cultivation with Condair RS Series

RS Series

- Increase germination and yield
- Improve plant quality
- Optimal growth and uniformity
- Minimize diseases
- Energy and operating savings





Precisely, easily managed humidity control creates an optimal environment for every growth stage, ensuring ideal relative humidity ranges for premium cannabis products.

## Project Overview



**Customer:** Peninsula Gardens  
**Location:** Orion, Michigan

**Condair Agent:** Michigan Air Products  
**Website:** [www.michiganair.com](http://www.michiganair.com)

**Application:** Commercial cannabis cultivation  
**Product:** RS Series Humidifier

### The benefits of Condair's humidification solutions:

- 15-20% germination and yield increase while improving plant quality.
- Optimal growth and uniformity while reducing risk of plant-related diseases.
- Long-term energy and operating cost savings while increasing worker productivity.

## Challenge

“Our new business is growing fast, so we’ve got to have the right environment for our plants and our staff.”

This was the key takeaway from our conversation with Jason Shockey, General Manager and owner of Peninsula Gardens, as his premium commercial cannabis cultivation operation is continuing to grow day by day. With the right indoor environment – one controlled with precision and care – he and his hardworking team would be able to ensure it continues to thrive.

“The biggest deal for us was looking after the growth stages – they’re totally different in terms of what kind of environment the plants like,” Shockey continued. “For example, the vegetation stage needs between 70 and 75 percent relative humidity, but the flower stage only needs between 50 and 60 percent. We needed to maximize the growth potential – just without the growing pains!”

Operating out of a new building in Orion, Michigan with no previous humidification



system installed, Shockey and his team had a clean slate. Enlisting the help of **Michigan Air Products** an HVAC manufacturers' representative for commercial and industrial solutions, **GreenPath Design** an engineering firm that works on energy-efficient plumbing & mechanical solutions, and **Rolls Mechanical**, a local installer specializing in Condaire products, it was time to elevate the potential of their commercial cannabis cultivation facility.

## Solution

"We narrowed it down to two Condaire RS Series humidifiers with blower packs," Shockey says. "The price-to-performance ratio was bang-on for us, they're sleek and easy to look after once you learn the ropes, and they're a breeze to clean – that last point is a big deal to us. You'll see on our Instagram account, @peninsula\_gardens, that we promote the importance of having a clean, organized growing environment."

Since watering cannabis plants directly – usually more than they need – can increase the risk of mold spores and disease spreading between specimens, the Condaire RS series was more than a safe bet to provide consistent hydration. These high-precision resistive steam humidifiers are both performant and incredibly user-friendly, designed for hassle-free cleaning

and energy efficiency. Dedicated scale tanks collect unwanted mineral deposits and can be cleaned out easily. Along with a premium heating element, it was the ideal choice for Peninsula Gardens' commercial cultivation needs, where accuracy translates directly to profitability and peace of mind. Overall, the project took from November 2020 to May 2021 to complete before going into full operation.

"In order to maintain tight humidity control, Michigan Air Products and GreenPath Design recommended the Condaire RS series with solid state relays, which are able to control to  $\pm 1\%$  RH. Given the lack of sheet metal duct in the space, it was agreed that blower packs would be the best way to disperse the steam."

Jake Hoogterp,  
PE, Sales Engineer  
Michigan Air Products



Ensuring your cannabis cultivation facility has precise humidity control will help to increase your companies bottom line.



## Results

“We’ve had the setup running for a couple months now, and it’s been a huge help!” Shockey says. “Room by room, everything is dialed in where it should be, so we have much tighter environmental conditions. Our products and people have never been happier.”

In addition to the disease prevention and optimal growth benefits, Peninsula Gardens has experienced considerable energy and time savings. The reduced maintenance requirements – all without sacrificing system performance or indoor air quality – has helped the team focus on producing the highest-quality cannabis goods possible.

“You can’t call yourself a premium producer if your facility isn’t up to snuff,” Shockey says. “We’re super pleased with the way everything’s been working – being proactive pays off!”

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## About Condair - [condair.com](http://condair.com)

Condair is the industry leader in the manufacturing of humidification, dehumidification and evaporative cooling solutions for a wide variety of commercial and industrial applications. We draw upon our extensive experience to develop an ever growing range of products manufactured to our stringent ISO 9001:2019 certified quality standards that will provide our customers with maximum reliability, minimum maintenance and a choice of energy sources.

## About Michigan Air Products



[michiganair.com](http://michiganair.com)

For over 40 years, we’ve provided Michigan and northern Ohio with the highest quality heating, ventilation, and air conditioning products available. We’ve built a reputation for comprehensive technical expertise, unrivaled customer service, and a commitment to integrity in everything we do. For each customer and every project, we work to make HVAC easier. These featured projects showcase exactly how we did that. From start to finish, we provide the very best service and support for our customers.

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