

RoboVent[®]
Ice[®]



Integrated Cooling Equipment
Because Clean, Cool Air Is Good for
Your Working Environment —
and Your Bottom Line



Your Experienced, Trusted Supplier

Manufacturing today requires an intense focus on health and environmental standards along with quality and productivity. In order to address these challenges, you need a supplier with a track record of offering sound solutions.

With over 25 years of experience in fume and smoke filtration, RoboVent is that trusted supplier.

The patent-pending RoboVent ICE solution signals the next step in our company's evolution. We've designed this innovative system to meet the unique demands of manufacturing facilities. With ICE, you'll know your plant has clean, cool air, which can improve employee health, plant productivity and your business' profitability.

Welcome to RoboVent.

Get Clean, Cool Air with RoboVent ICE®

The patent-pending RoboVent ICE system goes beyond traditional HVAC by integrating dust collection and air conditioning. Combining the two systems produces major benefits for your workers and facility — all of which boosts profitability for your business.



Create a Healthier Working Environment

Are you doing all you can to protect your workers' health? With RoboVent ICE, you will be. Now you can rest assured that even ultrafine dust has been removed from the air your workers breathe. Plus, the air is cooler and drier, which eliminates the risk of heat stroke, heat exhaustion and other heat-related ailments.



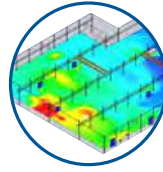
Reduce Maintenance

RoboVent ICE eliminates the need for maintenance of your air conditioning coils. Since the air going through the coils is filtered to 99.99%, the coils stay clean with no need for maintenance cleaning. Reduce downtime and maintenance costs by mitigating the risk of electrical-panel failure, machinery corrosion and other problems that can arise in hot, humid conditions.



Increase Your Bottom Line

With better air quality comes better employee productivity. Your workers will be happier and more energetic on the floor — and less likely to call in sick or consider moving on to another job.



Get the Most From Your Air Cleaning System with RoboVent VentMapping®

RoboVent VentMapping engineering service is a fact-based review process that collects and analyzes critical plant data to help determine the correct solution for achieving your air quality goals.

Summer Heat Burns \$\$\$

Hot weather is not only uncomfortable, it can also be expensive. As temperatures go up, productivity goes down. Let RoboVent ICE protect your profits by helping you beat the heat of summer and prevent productivity loss.



Without RoboVent ICE

Temperature **85°F**
Productivity Loss **8.8%**



Do the Math for 30 Workers:

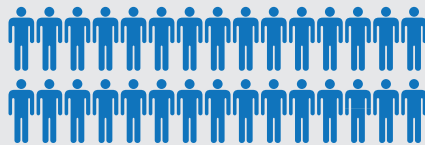
\$1.41 Lost Productivity Per Hour Per Person
x 30 Workers
x 40 Hours Per Week (Single Shift)
x 17 Summer Weeks (May - August)

= \$28,764 Productivity Loss Per Summer
(\$958.80 Per Worker Per Summer)



With RoboVent ICE

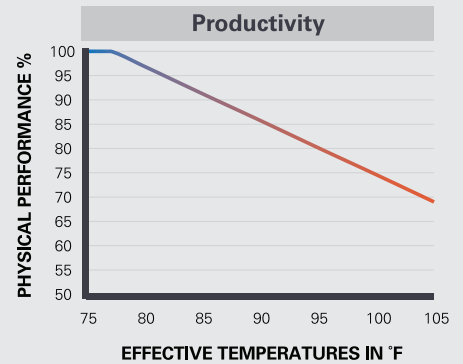
Temperature **75°F**
Productivity Loss **0.0%**



\$0 Productivity Loss Per Summer

RoboVent ICE can keep your plant a comfortable 75°F with low humidity. The result is no loss in productivity from the heat, a decrease in sick days and an increase in morale. The choice is clear —

Do the Math.



Temperature	Productivity Loss
77°F	0.0%
80°F	-3.2%
85°F	-8.8%
90°F	-14.3%
95°F	-19.9%
100°F	-25.4%
105°F	-31.0%

Source: Seppänen, O., Fisk, W. J. and Lei, Q. H. (2006)



Duct-less & Ducted Solutions

RoboVent ICE — the only integrated cooling equipment for dust collection and fume extraction — allows you to choose from duct-less and ducted options. Each is easy to integrate with the ICE solution. And each contains the Endurex filter system, which cleans incoming air, passes it over cooling coils and then returns it to the plant at the desired temperature. It's never been simpler to keep your plant clean and cool.

RoboVent Vortex ICE

Duct-less Solution

Our revolutionary Vortex system features a proprietary design that creates a circular airflow pattern to capture and filter ambient air in a plant — no ductwork required.



With our Vortex system, the ICE module simply sits on top of the unit.

RoboVent Fusion 3 ICE

Ducted Solution

If a ducted solution is the right choice for your application, RoboVent ICE may also be paired with our innovative Fusion 3 dust collector, allowing for a variety of configurations.

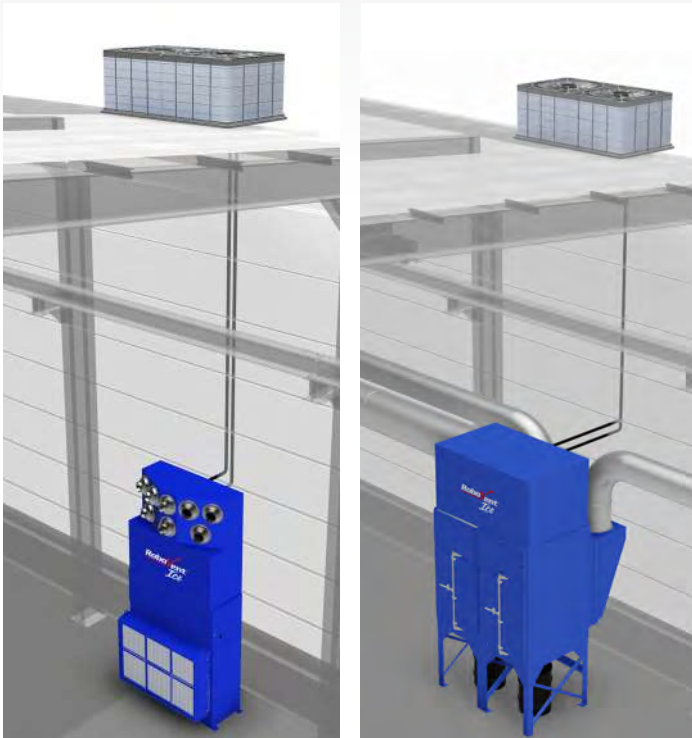


With our Fusion 3 system, the ICE module sits on top of the unit, on the return-air side of the dust collector.

Typical Installations

RoboVent ICE makes it simple to integrate dust collection with cooling equipment. Here's how it works: The condenser is installed on the roof or outside your plant, while the coolant lines are run to the coils in the dust collector. Everything is managed from a control panel.

Installation is easy because half the system is included in the dust collector. Once the collector is connected to the condenser, you're all set. With reliable dust collection and integrated cooling equipment, you can count on a healthier environment in your facility.



RoboVent Endurex RMO Premium Cartridge Filters

Welding fumes, metal-cutting dust, and other dust and particulate don't stand a chance with a RoboVent solution. Our premium Endurex filter cartridges — a critical part of every RoboVent system — deliver the very best filtration protection. The key? Our breakthrough Reinforced Media Optimization (RMO) filter technology, which is behind some of the most advanced cartridge filters in the industry.

RoboVent ICE and RMO filter technology: working together to make clean, cool air possible for your factory.

Service and Ongoing Support

RoboVent 24 Hour Hotline: 888.ROBOVENT

The RoboVent 24-hour hotline is available seven days a week. We understand your requirement for production and stand ready to help at any time.

Maintenance Contracts Available

Sophisticated air-filtration equipment represents a costly investment in your plant and the health of your employees. Proper maintenance is critical to the performance of that investment. RoboVent preventative maintenance programs provide the regularly scheduled expert maintenance needed to properly maintain your air-filtration and dust-collection systems, and greatly reduce the risk of unexpected system breakdowns and production delays.



Best Warranty in the Industry

RoboVent ICE collectors come with the Best Warranty in the Industry;
15 Years on Air Filtration Cabinet,
5 Years on Air Filtration Components,
12 Months on Air Conditioning
Cabinet and Components.

See Warranty Document
for further details.

*Manual
Welding Fume
Extraction*



*WeldBooths
for Educational
Facilities*



*Robotic
Welding Fume
Collection*



*Maintenance
Programs*



*Dust Collection
Systems*



*Full-Plant /
Ambient Air
Cleaning Systems*

*Oil Mist
Extraction*



*Mobile Dust
Collectors*



*Laser & Plasma
Cutting Fume
Collection*

*Aftermarket
Replacement
Filters*



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