



# Spire™ Series

**A versatile fume extraction system for robotic welding.**

- Smallest footprint in the industry
- Fast, plug & play installation
- Easy operation & maintenance



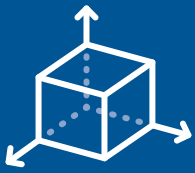


## Spire™ Features

Spire is engineered for easy operation, safety and performance.

- 1. Deflector Plates:** Protect the filters and provide even air distribution throughout the filter cabinet.
- 2. Pulsing System:** Engineered to dislodge dust from the entire length of the filter pleats for extended filter life.
- 3. PleatLock Filters:** Up to 35% more usable filter media to capture more particulate and allow for longer times between filter changes.
- 4. Easy Access Filter Cabinet:** Tee latches make filter access easy with a simple turn.
- 5. ePro Controls:** An easy-to-use, 7" full-color HMI Control Panel for easy operation.
- 6. eDrive™ Automatic VFD:** Adjusts the motor RPM to compensate for filter loading, providing energy savings and extended filter life.
- 7. Safesensor™ Particulate Monitoring:** Advanced particulate-monitoring device to detect filter by-pass.
- 8. Dust Containment:** Large 14-gallon dust tray with simple pull-out mechanism for fast & easy emptying.
- 9. Clean Agent Gas Fire Suppression System – Option:** Dual-stage clean agent system activated by heat.





## ***Small footprint. Big impact.***

RoboVent Spire is a versatile, cost-saving alternative to centralized ducted systems for robotic weld cells. Made especially for robotic welding, Spire is designed to be directly ducted to one or two production cells.

## ***Robotic weld fume collection. Now tailored to Your Production Scale.***

Why pay for excess extraction power you don't need? RoboVent Spire is available in three sizes (CFM ratings), so you can precisely match fume collection to your operations. Whether you have a single robotic welder or multiple production cells, Spire is the most versatile robotic weld fume extractor on the planet.

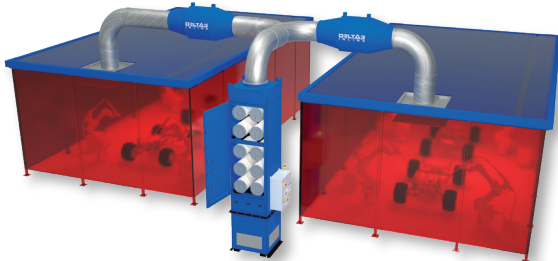
## ***Why size matters.***

We created the Spire Series to address the industry's need for versatility and cost control. With three sizes to choose from, you're only paying for the airflow and filters needed for your operation. Right-sizing your fume extractor translates to:

**Energy savings • Fewer filters to buy and change**  
**Lower overall operating and maintenance costs**

### **A scalable weld fume solution.**

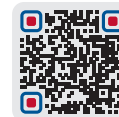
Have more than two weld cells? No problem. Spire is perfect for larger operations, too. Spire's small footprint fits easily into your production environment and duct directly to the cell, so you can place them wherever they are needed. Adding new robotic cells? No problem – you can add a new Spire at any time, without the hassle of changing a complex centralized ductwork system. Spire is easy to set up and easy to move, for a completely flexible and scalable robotic weld fume solution.



2,200 CFM



3,300 CFM

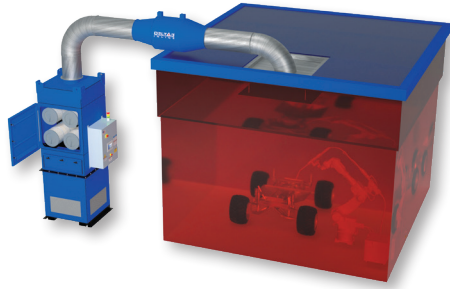


5,500 CFM

Shown with Fire Suppression (Option)







### **Spire Small: 2,200**

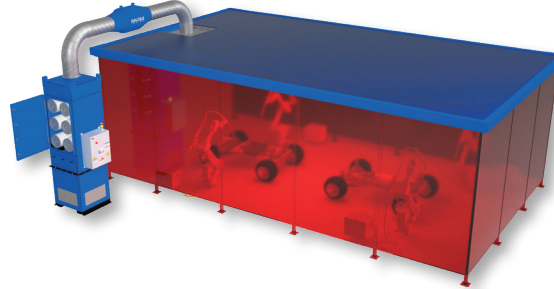
Perfect for a single robotic welder to a 10'x10' weld cell, our smallest Spire unit is designed for small shops or individual applications.

- Dimensions: 46.5"D X 52"W X 110.5"H
- Weight: 2,010 lbs.
- Media Area: 836 sq. ft.
- Filter Cartridges: 4



**2,200 CFM Spec Sheet**

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### **Spire Medium: 3,300**

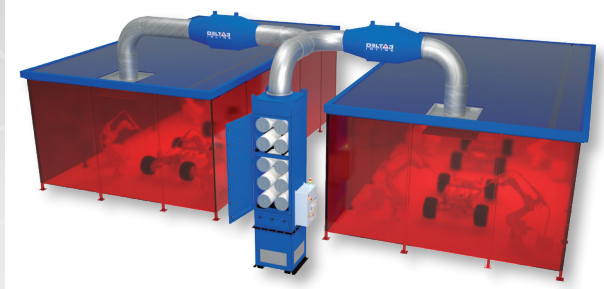
Need a little more extraction power? The medium Spire can handle high-production robotic welding in cells up to 15'x15'.

- Dimensions: 46.5"D X 52"W X 127.5"H
- Weight: 2,308 lbs.
- Media Area: 1,254 sq. ft.
- Filter Cartridges: 6



**3,300 CFM Spec Sheet**

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### **Spire Large: 5,500**

The original Spire! The largest Spire model can handle up to two 15'x15' robotic welding cells in a high-production environment.

- Dimensions: 46.5"D X 52"W X 163.5"H
- Weight: 2,800 lbs.
- Media Area: 2,090 sq. ft.
- Filter Cartridges: 10



**5,500 CFM Spec Sheet**

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### **Fast Installation:**

Spire ships in one piece with controls completely wired. The plug-and-play design allows for fast installation and future equipment moves.



### **Easy Maintenance:**

Spire makes filter change-outs and dust removal a breeze, with no tools required. Tee Latches are easy to open and close when service is required.



### **Small Footprint:**

The small footprint takes up about the same amount of floor space as a weld wire barrel, making it ideal for robotic welding cell design.



### **Delta3™ Inline**

#### **Recommended option for spark arressance.**



High-performance centrifugal spark arrestor for control of sparks from cutting, grinding, welding, surface finishing, spark machining/EDM and more. Delta3 offers unbeatable spark arressance with exceptionally low pressure drop. Engineered to fit inline with ductwork.



### **Streamline Hood**

#### **Recommended option for source capture.**



A space-saving, modular hood system for robotic welding and more. The Streamline Hood encloses manufacturing processes to prevent dust and fumes from propagating through the facility. Low profile and lightweight, the modular system can be easily customized for any cell size and shape. Comes ready-to-assemble for fast, simple setup.

**Pair Spire  
with these  
great  
options.**







## About RoboVent

RoboVent is your turnkey provider for all your toughest clean air challenges. We provide end-to-end solutions, including facility, testing, system design and engineering, project management and installation, and preventative maintenance.

Contact us to talk about Spire.

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