



Spire™

The World's Smallest Footprint for Robotic Welding Ventilation

If you're using robotic welding cells, Spire may be the right system for you. We designed Spire especially for the most common types of welding applications. Spire is a flexible, cost-effective alternative to centralized ducted systems.

Each Spire unit provides filtration for up to two robotic weld cells. It's a powerful system that can keep up with the heavy demands of robotic welding in a high-production factory.



PleatLock Filters

RoboVent's new PleatLock technology has been engineered to outlast even the toughest competitor filter. With added dimples within the pleats, there is up to 35% more media space to capture more particulate, allowing for longer time between filter changes. This saves time and money!



Spire features:

- **Small footprint:** Our floor-saving design takes up about the same amount of space as a wire barrel.
- **Very low maintenance:** Everything is easily accessible for fast filter changes and maintenance—no special tools required.
- **Flexible:** Since the Spire units have a very small footprint, it's easy to find space for them. And whenever you need to change your floor configuration, Spire is easy to move right along with your welding cell.

Spire™: Features & Options



A Deflector Plates

Deflector Plates within the top of the dust cabinet which protect filters from particulate abrasion, creates a high-velocity airstream around the filters to bring more dust into the containment chamber.

B Pulsing System

Pulse nozzles are engineered to create high level shock wave through the entire filter dislodging dust from the filter pleats sending the captured dust to the dust holding bin.

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D Control Panel

The new 7" full-color, HMI Control Panel is easy to navigate to help keep the system running smoothly and operators informed. The control panel is mounted in the electrical control box which can be installed on the side of the unit or tethered to where it is more convenient.

E eDrive™ Automatic VFD

The eDrive constantly monitors airflow and automatically adjusts the motor RPM to compensate for filter loading. Energy peaks and valleys are evened out and energy usage is cut by 20% to 30%, while filter life is extended by as much as 30%.

F SafeSensor™ Particulate Monitoring

SafeSensor is the Spire's advanced particulate-monitoring device that can detect leaks past the filters. If one should occur, SafeSensor will shut the equipment down and trigger an alarm.

G Supprex200™ Fire Suppression System (option)

This is a dual-stage system activated by smoke or heat. If smoke is detected, a fire damper closes, stopping all airflow and oxygen supply. If heat is detected, FM-200 gas is instantly deployed.

H Dust Containment

More dust containment (15 gallons) – which means less servicing and better performance of the unit with more consistent CFM & Static pressure. Simply pull out the drawer and dispose of the dust.

RoboVent is part of the Rensa Filtration family of companies—air filtration partners who manufacture best-in-class solutions to help keep environments safe and industries thriving.

For more information visit www.rensafiltration.com.

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