RoboVent Spire360™

Powerful ambient filtration with the smallest footprint in the industry.

Looking for easier way to clear the air? Spire360 provides effective ambient filtration for manufacturing facilities, without expensive and complicated ductwork. Just set them up on the facility floor and go!

With its exceptionally small footprint (about the same as a wire barrel), Spire360 won’t take up much floor space. They are easy to install and easy to move as your facility configuration changes. Everything is easily accessible for fast filter changes and maintenance, no special tools required. Altogether, it’s the fastest, most flexible and easiest way to add ambient filtration to your facility.

How it Works:
Spire360 extracts contaminated air in at the top of the unit and discharges clean air out at the bottom to keep weld fumes and other particulates from accumulating within the facility.

- As thermal plumes of contaminated air rise, they are drawn into the intake plenum at the top of the Spire360 unit.
- Clean, filtered air is then discharged at the bottom of the unit. Discharging air at floor level creates a positive pressure zone of cleaner air, which naturally forces contaminated air up into the filtration unit.

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!
**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.

**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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**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.

**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%.

**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.

**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.

**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.

**Spire360™: Features & Options**

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](http://www.rensafiltration.com).