

## RSU Space Saver™ Series Carbon Cartridge/HEPA Reverse Flow Odor and Particulate Controller



The RSU-CCH/R is cylindrical in shape and is designed to be connected to the exhaust duct coming directly from process machinery such as a laser engraver. Contaminated air from the laser engraver is blown into cylindrical filters inside the RSU. Cleaned air is ejected out the sides of the RSU, from top to bottom, and all 360 degrees. Smoke, as well as larger airborne particulate, are captured by a 99.97% efficient HEPA filter. The RSU's carbon filter is efficient in removing approximately 90% of most volatile organic compounds and other gasses and odors before the air is returned to the room. A filter insert is slipped down the center of the HEPA filter to capture .5 micron and larger particulate as well as to extend the life of the HEPA filter.

Additional copies of this data sheet are available at <http://odorcontroller.com/pdf/rsu12-20CHR.pdf>

### Air Flow and Mechanical:

Air flow rate - CFM (speed controllable)  
 Replaceable HEPA filter (50 SF hospital grade)  
 Replaceable Pre-filter Insert - collects particles to .5 micron  
 Refillable/Replaceable Carbon Cartridge  
 Casters allow easy placement and removal

### RSU12-CCH/R

300  
 yes  
 yes  
 yes  
 yes

### RSU20-CCH/R

450  
 yes  
 yes  
 yes  
 yes

### Electrical:

UL/CSA listed blower  
 Continuous duty rated – run 24 hours  
 Internal thermal protection  
 Power cord length - ft.  
 Voltage - VAC: 115/60Hz or 220/50Hz  
 Amps, full load

1  
 yes  
 yes  
 6  
 yes  
 1.26

1  
 yes  
 yes  
 6  
 yes  
 1.3

### Dimensions and Weights:

Height  
 Diameter  
 Carbon content (mixture #100)  
 Operating weight  
 Sound level (from low to high speed at 5 feet)

23"  
 18"  
 20 lbs. loose fill  
 50 lbs.  
 44-62 dB

31"  
 17.5"  
 30 lbs. loose fill  
 61 lbs.  
 44-66 dB

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