

# Ventilation Scrubber (continued)

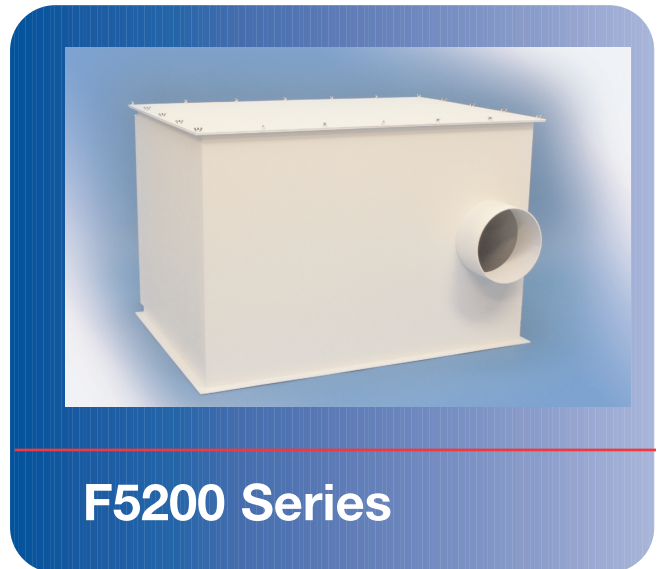
## F5200 Series Ventilation Scrubber

The F5200 Series Ventilation Scrubber is designed to scrub halogen gases. It consists of a special activated carbon adsorber and a fiberglass pre-filter placed just upstream of the adsorber for removal of dirt and dust contaminants. Both adsorber and pre-filter are enclosed together in a steel housing of approximately 38"W x 32-3/4"H x 24-3/4"D.

### Features

#### ● Activated Carbon Adsorber

The special activated carbon adsorber is manufactured by high-temperature steam activation followed by special chemical impregnation. This enhances the removal of special acidic gas & compound contaminants such as hydrogen sulfide, mercaptans, sulfur dioxide, chlorine, and hydrogen chloride, that are not strongly adsorbed by other carbons. The activated carbon adsorber is arranged in 1" thick beds in a V-bank configuration. The adsorber frame is constructed of 18 gauge, T-304 stainless steel with 26 gauge perforated screens.



### V-Bed Adsorber Specifications

<b>Size (H x W x D)</b>	24" x 24" x 18"
<b>Efficiency<sup>2</sup></b>	99.9%
<b>Approx. lbs of Carbon<sup>1</sup></b>	100
<b>Rated Flow</b>	1250 cfm
<b>Residence time<sup>1,2</sup></b>	0.125 sec
<b>Pressure drop<sup>1,2</sup></b>	2 in w.g.

#### Notes:

<sup>1</sup>Based on 8 x 16 mesh U.S. screen carbons

<sup>2</sup>Based on rated max flow of 1250 cfm

## Activated Carbon - Typical Properties & Specs

Gas recommended for	Scrubbing capacity %w/w <sup>3</sup>	HCl	10%
		F2	10%
Bulk Density [g/cm <sup>3</sup> ]		0.51	
Particle Size [ASTM D-2862]		12x20 US Mesh	
Ash content [ASTM D-2866]		3% w/w	
Ball Pan Hardness [ASTM D-3802]		98	

<sup>3</sup>%w/w refers to percent weight absorbed per weight of carbon

28.0 Ventilation Scrubber

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## F5200 Series Ventilation Scrubber

### Pre-Filter

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Media:           Fiberglass

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Size:             24”L x 24”W x 2”D

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Efficiency:       30%

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### Housing Enclosure

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Material:         #11 gauge cold rolled steel, textured white paint

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Overall Size:    38”W x 32-3/4”H x 24-3/4”D

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Duct size:       8” (inlet & exhaust duct)

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Mounting:       Wall or Ceiling mount

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