

Vertical Bed Scrubber (VBS)

PureAIR

FILTRATION

Traditional, reliable, vertical air scrubber with high capacity

SPECIFICATIONS:

Applications	Protecting electronics, Wastewater odor control, Environmental emission control
Airflow Range	271.8 CMH (160 CFM) – 28,883.1 CMH (17,000 CFM) <i>*Please review the model selection sheet for more information.</i>
Configuration	Vertical airflow
Construction Material	Municipal Standard: Fiberglass reinforced plastic Industrial Standard: Stainless Steel Other options: Aluminum
Particulate Filtration	Odor Control Applications: Mist & Grease Filter Other Applications: 5 cm (2 in), 30% MERV 8 Prefilter, 15 cm (6 in), 95% MERV 13 Final Filter <i>*Other filter sizes/options available upon request. Please contact the factory for more information.</i>
Blower Configuration	DRAWTHRU: Standard and allows the blower to work in clean air, thus making it last longer and require lower maintenance BLOWTHRU: An option for customers who want less noise from the blower <i>*Redundant blowers & other special options available.</i>
Customizable	Multiple sizes and configurations available, reference model selection chart for details. Add-on accessories like sound enclosures are available. Contact factory for more information. <i>*Don't see what you are looking for? PureAir specializes in customization.</i>



BENEFITS:

- Low Maintenance: Bulk loading and unloading options available
- Multiple beds available for adsorbent media. Larger VBS models can have 2 beds with multiple banks in each bed. For more information on the adsorbent media, please see the media brochure.
- Low bypass & High efficiency
- Traditional, reliable, simple solution, with larger airflow capacity than the drum scrubber

Media Bed Rod:

This unit is equipped with a metal Media Bed rod to detect the remaining life of the media. See back for more details.



Case Study
Georgia Pacific

SCAN ME

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MODEL SELECTION TABLE

VBS MODEL # VBS-	AIR FLOW RANGE CMH (CFM)	MOTOR MAX kW (HP)	MEDIA VOLUME M ³ (FT ³)	SHIPPING WEIGHT KG (LBS)	OPERATING WEIGHT KG (LBS)
02	270-410 (160-240)	0.4 (0.5)	0.3 (9.4)	231 (510)	374 (825)
03	590-900 (350-530)	0.7 (1.0)	0.6 (21.2)	315 (695)	637 (1,405)
04	1,070-1,600 (630-940)	1.5 (2.0)	1.1 (37.7)	476 (1,050)	1,048 (2,310)
05	1,670-2,500 (980-1,470)	2.2 (3.0)	1.7 (58.9)	680 (1,500)	1,574 (3,470)
06	2,400-3,600 (1,410-2,120)	3.7 (5.0)	2.4 (84.8)	907 (2,000)	2,191 (4,830)
7.5	3,600-5,600 (2,120-3,310)	5.5 (7.5)	3.8 (132.5)	2,132 (4,700)	4,137 (9,120)
08	4,260-6,400 (2,510-3,770)	7.4 (10.0)	4.3 (150.8)	2,449 (5,400)	4,731 (10,430)
*08-DB	8,540-12,810 (5,030-7,540)	14.7 (20.0)	8.5 (301.6)	5,216 (11,500)	9,779 (21,560)
10	6,680-10,010 (3,930-5,890)	11.0 (15.0)	6.7 (235.6)	4,128 (9,100)	7,693 (16,960)
*10-DB	13,340-20,010 (7,850-11,780)	18.4 (25.0)	13.3 (471.2)	7,620 (16,800)	14,746 (32,510)
12	9,600-14,400 (5,650-8,480)	14.7 (20.0)	9.6 (339.0)	9,117 (20,100)	14,247 (31,410)
*12-DB	1,920-28,820 (11,310-16,960)	294.0 (40.0)	19.2 (678.5)	11,068 (24,400)	21,328 (47,020)

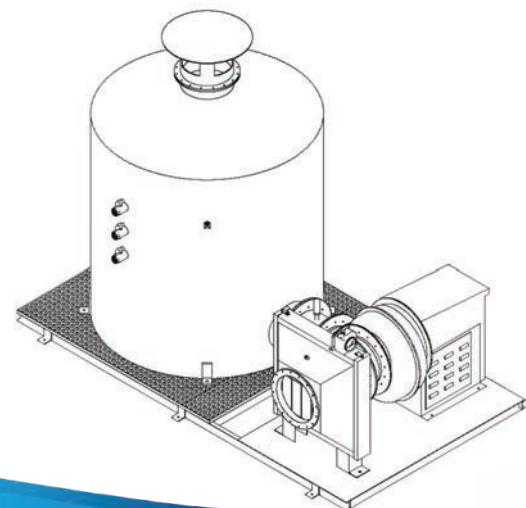
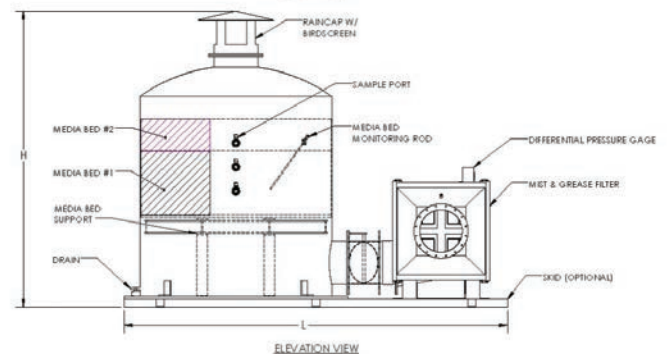
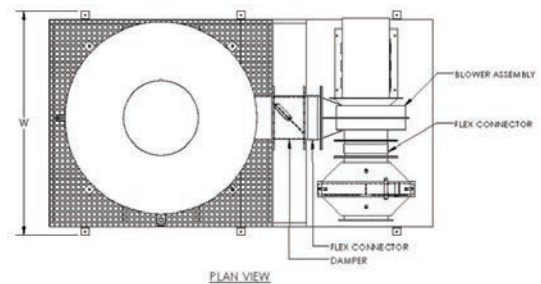
*DB indicates larger models available with dual beds. Each bed can have multiple banks of media.

MEDIA BED ROD:



This unit is equipped with a metal Media Bed Rod. The rod is positioned inside the system at an angle against the direction of airflow and detects the expiration level of the media.

- Dark, corroded coloration on rod shows where media has expired. Once half the rod has been corroded, one should contact the factory to replace the media to ensure the proper functioning of the system.
- Interested in instant notification of media life? Ask about our Electronic Media Bed Rod that can be added to your system as an upgrade.



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Revision 0