

Vertical Bed Scrubber (VBS)

Traditional, reliable, high-capacity air scrubber

The PureAir® Vertical Bed System (VBS) is a complete, self-contained air purification system designed with a vertical airflow configuration for reliable odor and contaminant control.

This deep-bed scrubber delivers continuous, high-efficiency treatment for contaminated air streams ranging from 160 to 16,960 CFM.

The vertical airflow design helps eliminate the potential for air bypass, improving overall system performance and media utilization.

Features

Construction Material	Municipal Standard: Fiberglass reinforced plastic (FRP)
Particulate Filtration	Odor Control Applications: Mist and Grease Filter <i>*Additional filter sizes and options available.</i>
Blower Configuration	DRAWTHRU (standard): Keeps the blower in clean air for longer life and reduced maintenance BLOWTHRU (optional): Lowers blower noise for quieter operation <i>*Redundant blowers and other custom options available.</i>
Customizable	Multiple sizes and configurations available, reference model selection table for details. Optional add-ons, including sound enclosures, are available.

Key Benefits

- Bulk loading and unloading options for efficient handling
- Multiple beds available for chemisorbant media
- Larger VBS models can have 2 beds with multiple banks in each bed
- Can be used with multiple types of media for different applications
- High airflow capacity with low resistance



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	19,220-28,820 (11,310-16,960)	29.4 (40.0)	19.2 (678.5)	11,068 (24,400)	21,328 (47,020)

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

LIFEGARD®:

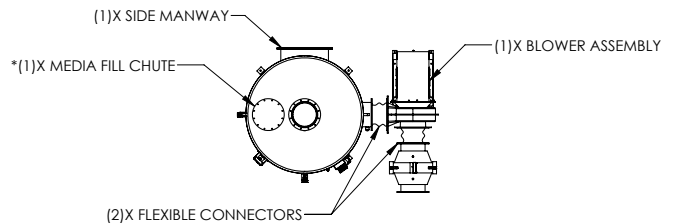
Media Bed Monitor

For real-time updates on media life, consider the LIFEGARD® as a system upgrade.

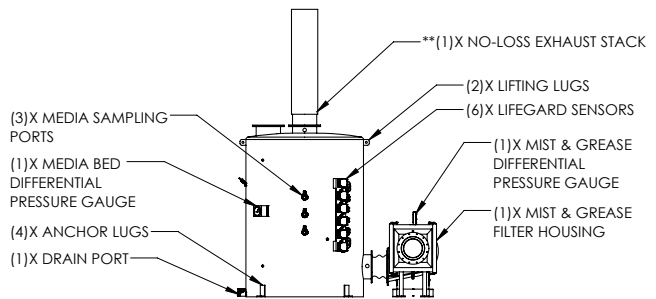
PureAir's® LIFEGARD® media bed monitor introduces cutting-edge technology in media monitoring, marking the latest advancement in realtime media consumption measurement. Building on the success of the original monitor, the LIFEGARD® monitor offers enhanced continuous monitoring and an advanced electronic notification system, ensuring optimal predictability and planning for maintenance.



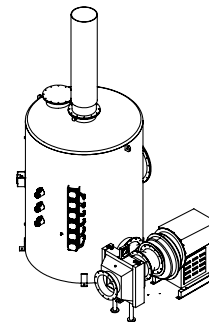
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PLAN VIEW



ELEVATION VIEW



ISOMETRIC VIEW

* CONFIGURATION SHOWN APPLIES TO UNITS 5-12', WHICH INCLUDE AN INTEGRATED TOP WITH FILL CHUTE. UNITS 2'-4' ARE PROVIDED WITH A FLANGED REMOVABLE TOP AND ARE NOT EQUIPPED WITH A FILL CHUTE.
** EXHAUST STACK WITH RAIN CAP AND BIRD SCREEN AVAILABLE UPON REQUEST.