

Packed Bed System (PBS)

Self-contained Air Purification System

The PureAir® Packed Bed System (PBS) is a complete, self-contained horizontal airflow scrubber designed for continuous, high-efficiency air purification while protecting critical electronics and equipment investments.

Engineered to treat contaminated air streams from 200 to 5,600 CFM, the PBS delivers reliable odor and gas removal for demanding wastewater and environmental emission control applications.

Features

Construction Material	Municipal (standard): Fiberglass reinforced plastic (FRP) Other options: Stainless Steel, Aluminum
Particulate Filtration	Odor Control Applications: Mist and Grease Filter Other Applications: 2", 30% MERV 8 Prefilter, 4", 95% MERV 14 Final Filter *Other filter sizes and options available.
Blower Configuration	DRAWTHRU (standard): Keeps the blower in clean air for longer life and reduced maintenance. BLOWTHRU: Lowers blower noise for quieter operation. *Redundant blowers and other custom options available
Customizable	Multiple sizes and configurations available, reference the model selection table for more details. Add-on accessories like sound enclosures are available.

Key Benefits

- Low maintenance with bulk loading and unloading options
- Multiple adsorbent media beds available.
- Side access door with quick release, snap, or positive pressure latches for easy access to media and filters or vacuum ports.
- Designed to prevent contaminant bypass and deliver a minimum of 99.9% removal efficiency.



Model Selection Table

PBS MODEL PBS-	INDUSTRIAL APPLICATION MAX AIR FLOW CMH (CFM)	MUNICIPAL APPLICATION MAX AIR FLOW CMH (CFM)	MOTOR RANGE HP (kW)	MEDIA VOLUME FT ³ (M ³)*	SHIPPING WEIGHT EMPTY LBS (KG)	OPERATING WEIGHT LBS (KG)*
202	340-680 (200 - 400)	340-510 (200 - 300)	0.5 (0.4) - 1.5 (1.1)	16 (0.45)	670 (304)	1210 (549)
302	510-1020 (300 - 600)	510-760 (300 - 450)	0.5 (0.4) - 1.5 (1.1)	22 (0.62)	710 (322)	1450 (658)
402	680-1360 (400 - 800)	680-1020 (400 - 600)	0.5 (0.4) - 2 (1.5)	28 (0.79)	740 (336)	1680 (762)
403	1020-2040 (600 - 1200)	1020-1530 (600 - 900)	0.75 (0.6) - 2 (1.5)	42 (1.19)	820 (372)	2220 (1007)
404	1360-2720 (800 - 1600)	1360-2040 (800 - 1200)	1 (0.7) - 3 (2.2)	56 (1.59)	1100 (499)	2970 (1347)
504	1700-3400 (1000 - 2000)	1700-2550 (1000 - 1500)	2 (1.5) - 5 (3.7)	68 (1.93)	1500 (680)	3770 (1710)
604	2040-4080 (1200 - 2400)	2040-3060 (1200 - 1800)	3 (2.2) - 5 (3.7)	80 (2.27)	2100 (953)	4770 (2164)
605	2550-5100 (1500 - 3000)	2550-3820 (1500 - 2250)	3 (2.2) - 7.5 (5.5)	100 (2.83)	2700 (1225)	6040 (2740)
606	3060-6120 (1800 - 3600)	3060-4590 (1800 - 2700)	5 (3.7) - 10 (7.4)	120 (3.40)	3000 (1361)	7000 (3175)
706	3570-7140 (2100 - 4200)	3570-5350 (2100 - 3150)	7.5 (5.5) - 15 (11.0)	138 (3.91)	3500 (1588)	8100 (3674)
707	4160-8320 (2450 - 4900)	4160-6240 (2450 - 3675)	7.5 (5.5) - 15 (11.0)	161 (4.56)	4100 (1860)	9470 (4296)
807	4760-9500 (2800 - 5600)	4760-7140 (2800 - 4200)	10 (7.4) - 20 (14.7)	182 (5.15)	4800 (2177)	10870 (4931)

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. The LIFEGARD® monitor offers enhanced continuous monitoring and an advanced electronic notification system, ensuring optimal predictability and planning for maintenance.



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