

Biologically Engineered Adsorbent Scrubber Technology™

Best-in-Class Technology, One Powerful Solution

PureAir's BEAST™ (Biologically Engineered Adsorbent Scrubber Technology) is a multistage biological scrubber designed for wastewater and industrial odor control applications where hydrogen sulfide (H₂S) concentrations are consistently high. It combines biological treatment with chemical polishing to achieve very high H₂S removal efficiency while minimizing maintenance.

The BEAST™ integrates two complementary technologies into a single system. Filled with Sulphasorb Si™ biomedium, the scrubber features a fully remote monitoring and notification system, with integrated H₂S sensors at the inlet, intermediate, and outlet stages, providing continuous performance monitoring and optimal system operation.

The full BEAST™ system delivers a bioscrubber followed by a polishing unit and this integration delivers unmatched performance - removing 99.9% of extremely high concentrations of hydrogen sulfide and other harmful gases.



BST-2100

Key Benefits

- *Delivers long-term odor control*
- *Removes H₂S concentrations of 300+ PPM*
- *Advanced biomedium has a life of 10+ years*
- *Bioscrubber + polishing adsorber in one system*
- *Limited maintenance required*



BST-3000

Model Selection Table

MODEL NUMBER	Diameter in mm (FT)	HEIGHT RANGE mm (FT)	MAX AIRFLOW CMH (CFM)	MOTOR POWER kW (HP)	EST SHIPPING WEIGHT KG (LBS)	EST OPERATING WEIGHT KG (LBS)
BST - 1200	1200 (4)	1830-3700 (6-12)	2209 (1300)	3.7 (5)	600 (1280)	2200 (4800)
BST - 1800	1800 (6)	1830-5000 (6-16)	4757 (2800)	5.6 (7.5)	1000 (2100)	4400 (9000)
BST - 2400	2400 (8)	1830-6000 (6-19)	8495 (5000)	7.5 (10)	3200 (7000)	11600 (15000)
BST - 3000	3000 (10)	2130-7000 (7-23)	13422 (7900)	11.2 (15)	3600 (8000)	12500 (22000)
BST - 3300	3300 (11)	2130-7000 (7-23)	16140 (9500)	15 (20)	4600 (10000)	14000 (30000)
BST - 3600	3600 (12)	2130-7000 (7-23)	19538 (11500)	18.6 (25)	5340 (12000)	18000 (40000)
BST - 4300	4300 (14)	2130-7000 (7-23)	25484 (15000)	26 (35)	7000 (15000)	25000 (55000)



BST-1200

Biomedium - Sulphasorb Si™

The BEAST™ Bioscrubber uses Sulphasorb Si™ (SSi) as its substrate. Made from recycled glass, SSi biomedium is environmentally friendly, easy to install, and highly resistant to acidic environments. With an incredible porosity of 4695 m²/m³, it provides an expansive surface area that supports the growth of odor-eating bacteria.

Designed to last a minimum of 10 years, SSi delivers superior durability and efficiency for long-term odor control.

