



Activated Carbon Scrubbers

Product Brochure

Product overview

Activated carbon adsorption for precise, low-residual removal of H₂S, VOCs, and a wide range of odorous compounds from ventilation and process air streams.

Etaniv carbon scrubbers pass odorous air through a bed of granular activated or impregnated carbon, where target molecules are captured within the carbon's vast internal pore network. Impregnated media (for example caustic- or permanganate-treated carbon) additionally react with H₂S to extend capacity and drive outlet concentrations to very low levels — making carbon ideal as a polishing stage or a standalone unit for lower-load applications.

Because the technology is chemical-free in operation and requires no biological acclimatization, carbon scrubbers deliver immediate performance from start-up and are well suited to intermittent duty, enclosed urban sites, and locations where a compact, simple installation is preferred.

Key features

Key technical and commercial advantages:

- Immediate, reliable performance from start-up — no acclimatization period
- Very low outlet odor concentrations, ideal as a final polishing stage
- Standard or impregnated media selected to match the target compounds
- Compact, quiet, and simple to operate — well suited to urban and enclosed sites
- Corrosion-resistant GRP/FRP or coated construction
- Easy media replacement with minimal downtime

Typical applications

Typical application types include:

- Polishing stage downstream of biological or chemical odor treatment
- Small to medium pump stations and enclosed wet wells
- Laboratory, pharmaceutical, and light-industrial exhaust
- Standalone control for low-to-moderate H₂S and VOC loads

Technical specifications

Flow rate (m³/hr)	Tailored to project at any flow rate
Carbon type	Granular activated carbon; caustic- or permanganate-impregnated media available
Target compounds	H ₂ S, mercaptans, VOCs and mixed odorous streams
Vessel dimensions	Sized per flow and contact time; GRP/FRP or coated steel vessels
Contact time	Empty-bed contact time set by inlet load and target outlet
Media service life	Depending on inlet concentration and media type
Materials of construction	GRP/FRP or coated carbon steel — selected per duty
Pressure drop	Low across the bed; fan sized to system hydraulics
Temperature range (°C)	Effective across normal ventilation-air temperatures

Product photo



Why Etaniv

Etaniv B.Y. Ltd is an Israeli manufacturer and integrator of environmental technologies for water, wastewater, and odor control. We design, supply, install, and maintain our systems in-house — backed by 20+ years of field experience and international technology partnerships.

- Full lifecycle service — design, installation, and maintenance by one team
- Own manufacture — quality controlled from design to delivery
- Compliant with the Israeli Clean Air Act and Odor Nuisance Guideline
- Backed by international technology partnerships
- 50+ active clients across Israel

Contact us

Etaniv B.Y. Ltd

17 Ha'Alia St., Bazra 6094400

Israel

Tel: +972 9 760 1548

Mobile: +972 54 587 9007

Email: info@etaniv.co.il

www.etaniv.co.il

Office hours

Sunday – Thursday, 08:00 – 17:00

24/7 emergency support available