

The background of the cover features a close-up, high-contrast image of a porous, dark material, likely activated carbon, with a complex network of small holes and crevices. A large, solid green curved shape sweeps across the upper right portion of the image. The text is white, providing a sharp contrast against the dark background and green overlay.

TECHNICAL DATA SHEET

AXIAIR

The logo consists of a white, stylized hexagonal shape with a small triangular notch on its left side.

Axicarb



AXIAIR-1000 IV

High-activity coconut shell-based granular activated carbon designed for gas-phase applications.

It delivers rapid adsorption kinetics and high capacity for volatile organic compounds (VOCs), odours, and process vapours.

Features & Benefits



High microporosity for efficient VOC and odour removal



Strong CTC activity for gas-phase adsorption performance



Sustainable coconut shell raw material



High hardness and low dust for minimal pressure drop and long bed life



Optimized particle size selection for low resistance to airflow

PARAMETER	TEST METHOD	UNIT	SPECIFICATION
Iodine value*	ASTM D4607	mg/g	>1000
CTC [as calculated*]	ASTM D5742	%	>50
Apparent Density	ASTM D2854	g/L	450
Moisture Content	ASTM D2867	%	<5
Ash Content	ASTM D2866	%	<4
Hardness (%)	ASTMD3802	%	>98
pH*	ASTM D3838		9-11



Available Products

- 01

AR-1000-3X6-R [6.70 – 3.35 mm]
- 02

AR-1000-4X8-R [4.75 – 2.36 mm]
- 03

AR-1000-4X10-R [4.75 – 2.00 mm]
- 04

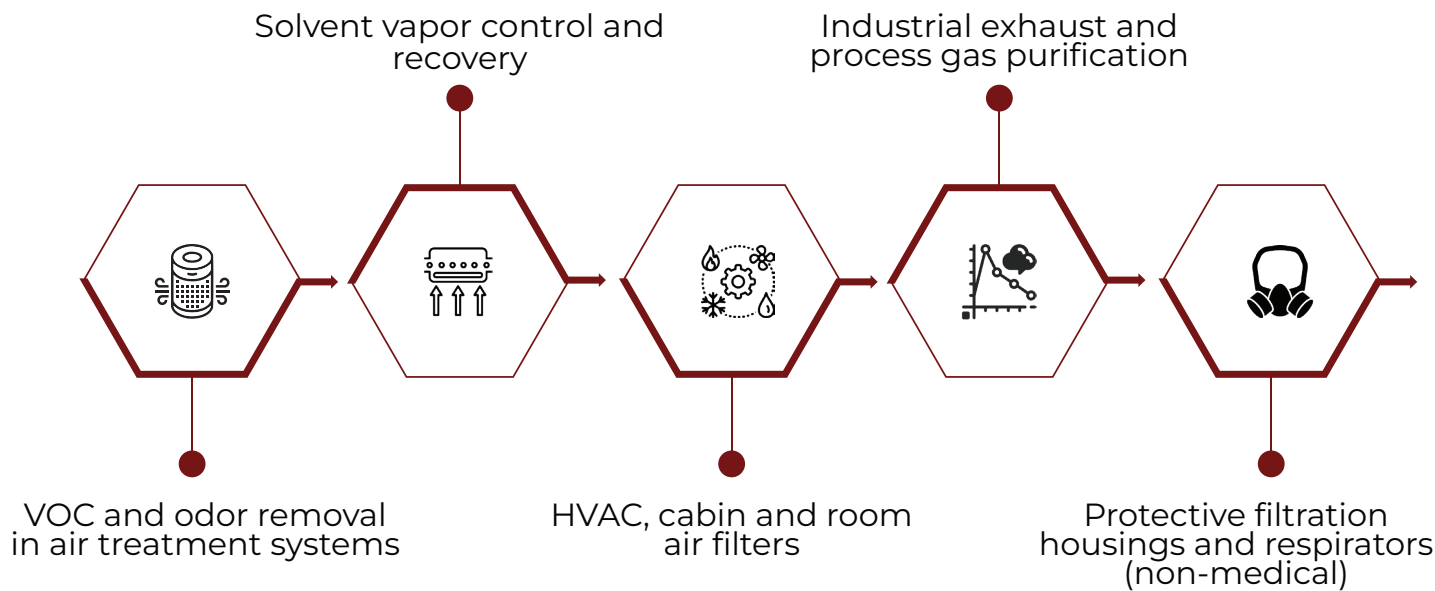
AR-1000-6X12-R [3.35 – 1.70 mm]
- 05

AR-1000-20X70-R [0.85 – 0.212 mm]
- 06

AR-1000-30X60-R [0.60 – 0.25 mm]

“Other Sizes considered on request”

Applications





Certifications & Compliance



NSF/ANSI 42 & 61 Certified



ISO 14001:2015
Environmental Management



ISO 45001:2018
Occupational Health & Safety



ISO 9001:2015
Quality Management



HALAL Certified
Jamiat Ulama-i-Hind



KOSHER Certified
JK Kosher

Packaging



Bulk bag



25 kg Bag

"Products can be customized for specific requirements in terms of pH, Iodine Number or CTC
Custom packaging can be arranged based on customer requirement"