



# TECHNICAL DATASHEET

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 Abnie Paidar Sabz CO.  
[www.abpsoil.com](http://www.abpsoil.com)

## AddSorb® VA4

impregnated coal based  
activated carbon

### Features and Benefits

- Chemically impregnated
- Multi-process manufacture
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum sulfur loading capacity
- Functional in oxygen deficient environments
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning

### Typical Applications

- Natural gas purification
- Laboratory fume hood filters
- Catalyst guard bed
- Purification of biogas
- Electronics manufacturing facilities

### Available Pellet Diameters

- 1.5 mm diameter
- 2.0 mm diameter
- 3.0 mm diameter
- 4.0 mm diameter
- 5.0 mm diameter

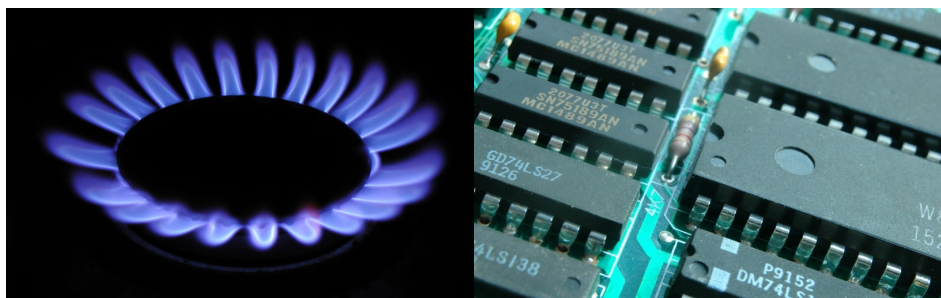
### Standard Packaging

- 25 kg bag (55 lb)
- 500 kg bulk bag (1100 lb)



The polyethylene valve bag from Jacobi sets the standard in the industry for clean, durable and safe handling.

AddSorb® VA4 is a high activity extruded activated carbon manufactured by steam activation from select grades of coal. AddSorb® VA4 is chemically impregnated and thermally treated to allow for the removal of acid gases in oxygen deficient atmospheres. The carefully controlled dispersion of the reactive chemical reagents ensures the efficient removal and retention of the contaminants while preserving a high adsorption capacity. The activated carbon is exceptionally hard and resistant to mechanical breakdown.



AddSorb® VA4 impregnated activated carbons are efficient and provide economical removal of sulphur from oxygen deficient vapor streams.

### Specification\*

CTC activity (base carbon)	min. 60%
Moisture content	max. 5%
Ball-pan hardness (pellets)	min. 98%
Ball-pan hardness (granular)	min. 90%
Metal oxide content	min. 5.0%

### Typical Properties\*

CTC activity (base carbon)	63%
Apparent density (pellets)	540 kg/m <sup>3</sup>
Apparent density (granular)	470 kg/m <sup>3</sup>

\* Specifications and typical properties are produced using Jacobi Carbons' test methods. They are listed for informational purposes only and not to be used as purchase specifications. Sales specifications can be obtained from your Jacobi Carbons Technical Sales Representative and should be reviewed before placing an order.

ADDVA4-DSE-C0904



Polyethylene valve bags,  
20 bags per pallet.



Polypropylene liner-free  
FIBCs (super sacks),  
2 bags per pallet.



**CAUTION** Activated carbon is a strong oxidizing agent and can remove oxygen from air under wet or humid conditions. Care should be taken when entering confined spaces where wet activated carbon is present. Ensure the use of correct breathing apparatus. Material Safety Data Sheets should be consulted for further details on procedures in the event of contact with activated carbon.

**NOTICE** Due to the progressive nature of the Jacobi Carbons Group and the continually improving design and performance of our products, we reserve the right to change product specifications without prior notification. The information contained in this datasheet is intended to assist a customer in the evaluation and selection of products supplied by Jacobi Carbons. The customer is responsible for determining whether products and the information contained in this document are appropriate for customer's use. Jacobi Carbons assumes no obligation or liability for the usage of the information in this datasheet, no guarantees or warranties, expressed or implied, are provided. Jacobi Carbons disclaims responsibility and the user must accept full responsibility for performance of systems based on this data.

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