



# TECHNICAL DATASHEET

WWW.JACOBI.NET



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

## AddSorb® VA12-Plus

impregnated coal based  
activated carbon

### Features and Benefits

- Chemically impregnated
- Consistent quality
- Exceptional hardness and strength
- Rigorously dedusted
- Maximum mercury loading capacity
- Minimal product degradation giving low pressure drop
- Clean handling at adsorber loading and commissioning
- Proven adsorbent - total reliability

### Typical Applications

- Hydrogen sulfide and mercaptans removal
- Phosphine removal
- Purification of biogas

### Available Pellet Diameters

- 2.0 mm diameter
- 3.0 mm diameter
- 4.0 mm diameter

AddSorb® VA12-Plus is a premium high activity extruded activated carbon manufactured by steam activation from select grades of anthracite coal. AddSorb® VA12-Plus is chemically impregnated specifically for use of hydrogen sulfide removal of natural gas. The carefully controlled addition of potassium iodide to the matrix of the activated carbon is specifically designed to ensure maximum hydrogen sulfide conversion to elementary sulfide. The activated carbon is exceptionally hard and resistant to mechanical breakdown resulting from a unique binding and extrusion process used during its manufacture.



Natural gas stations use AddSorb® VA12-Plus for the efficient and economical removal of hydrogen sulfide.

### Specification\*

CTC activity (base carbon)	min. 80%
Moisture content	max. 15%
Total ash content (base carbon)	max. 12%
Ball-pan hardness	min. 95%
Potassium Iodide content	min. 2.5%

### Standard Packaging

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

### Typical Properties\*

CTC activity (base carbon)	85%
Apparent density	460 kg/m <sup>3</sup>



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

\* 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.

ADDVA12Plus-DSE-C0904



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



**Jacobi**  
THE CARBON COMPANY



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.

**WORLDWIDE DISTRIBUTORS** A diverse network of agents, strategically located around the world. Please contact any Jacobi Carbons office to locate your nearest distributor. AquaSorb®, EcoSorb®, GoldSorb®, ColorSorb®, DioxSorb®, AddSorb® and Jacobi are registered trademarks of Jacobi Carbons.  
© Jacobi Carbons, 2009.