

DSR-A 8X40

Granular Activated Carbon

Description

DSR-A is a grade of reactivated carbon designed for the removal of organic contaminants from industrial wastewater. The carbon is manufactured by the reactivation of bituminous coal-based products to produce a high-density, high surface area and durable product capable of withstanding repeated cycles of use and reactivation.

DSR-A is effective in a wide range of applications and fluctuating flows providing reliable removal of dissolved organic compounds. It is also screened prior to packaging to insure consistent performance and low pressure drop.

Applications

- Point source treatment to remove chemicals
- Pre-treatment to biological waste treatment systems
- Product recovery from wastewater
- Recycling wastewater
- Polishing effluent from biological waste treatment systems
- Providing total wastewater treatment

Design Considerations

The design of an activated carbon adsorption system is dependent on the adsorbate type, influent concentration, temperature, flow rate, performance objective, and other factors. Calgon Carbon has experience designing custom systems and can help evaluate the suitability of DSR-A to satisfy specific needs and assist in the design of an adsorption system. In addition to the supply of activated carbon, Calgon Carbon offers a complete line of standardized, pre-engineered adsorption systems. For additional information on adsorption capacity of organic compounds, please contact the Calgon Carbon Technical Sales Representative in your area.

Specifications

Iodine Number, mg/g (min)	750
Ash, weight % (max)	9
Moisture, weight % (max)	2
Apparent Density, g/cc (max)	0.60
Screen Size, US Sieve Series, weight %	
Smaller than 40 mesh (max)	5

Product Options

In addition to DSR-A, Calgon Carbon offers a variety of products and services to meet your treatment requirements:

Granular Carbon Products

- FILTRASORB® 300 & 400 - virgin liquid phase products
- React pH - for pH sensitive applications
- React AW - for acid purification

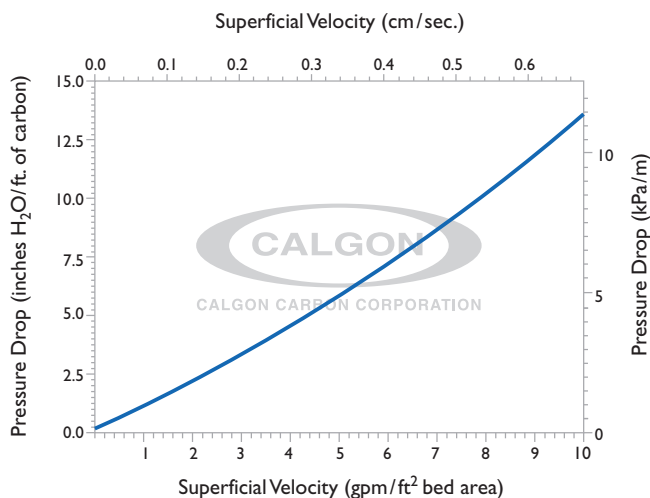
Equipment Products

- Standardized, pre-engineered adsorption systems capable of treatment flows from 1 gpm to 1400 gpm
- Custom engineered systems - to meet unique treatment requirements

Service Products

- Technical services including design assistance, calculations of carbon use rates, laboratory and pilot studies, start-up and operations assistance
- On-site exchange services and reactivation service reduce labor requirements and minimize disposal cost

Pressure Drop Curve



Liquid down-flow through DSR-A 8x40 carbon

DRS-A is not for use in potable water or food grade applications.

Carbon and Process Media

Visit our website at www.calgoncarbon.com, or call 800-422-7266 to learn more about our complete range of products and services, and obtain local contact information.

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Features

Raw Material:

- Metallurgical grade, bituminous coal based

Miscellaneous:

- Reactivated product
- Recyclable product
- High surface area/pore structure
- Product is screened prior to packaging

Benefits

- Produces a strongly adsorbing pore structure for a broad range of contaminants and concentrations
- Economical alternative to virgin carbon
- Provides ultimate disposal of pollutants
- Eliminates landfill costs and concerns
- Propagates the cycle of responsible resource utilization
- Efficient in removing a wide range of dissolved organic compounds
- Reliable - accommodates variations in flows or concentrations
- Results in less fines and lower pressure drop
- Minimizes backwashing

Packing

1,000 lb. (453.6kg) Super Sack
Bulk Truck

Safety Message

Wet activated carbon preferentially removes oxygen from air. In closed or partially closed containers and vessels, oxygen depletion may reach hazardous levels. If workers are to enter a vessel containing carbon, appropriate sampling and work procedures for potentially low oxygen spaces should be followed, including all applicable Federal and State requirements.

If at any time our products or services do not meet your requirements or expectations, or if you would like to suggest any ideas for improvement, please call us at 1-800-548-1999. From outside the U.S. please call +1-412-787-6700.

Limitations of Liability

The Supplier's liability and the Purchaser's exclusive remedy for any cause of action arising out of this transaction, including, but not limited to, breach of warranty, negligence and/or indemnification, is expressly limited to a maximum of the purchase price of spare parts or equipment sold hereunder. All claims of whatsoever nature shall be deemed waived unless made in writing within forty-five (45) days of the occurrence giving rise to the claim. In no event shall the Supplier, for any reason or pursuant to any provision of the warranty, be liable for incidental or consequential damages or damages in excess of the purchase price, nor shall the Supplier be liable for loss of profits or fines imposed by governmental agencies.

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Visit our website at www.calgoncarbon.com



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CPM-LC601-0804

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