

## TOG<sup>®</sup>-NDS 20x50

### Granular Activated Carbon

#### Description

TOG<sup>®</sup>-NDS 20x50 is a virgin granular activated carbon designed specifically for point-of-use (POU) water treatment applications where impurities are removed in drinking water filter units with short contact times. TOG<sup>®</sup>-NDS is produced from bituminous coal and activated at high temperatures in a steam atmosphere. Its particle size is selected to provide efficient removal of volatile organic compounds (VOCs), taste and odor causing compounds, and residual disinfectants such as chlorine from water. All of this can be done while maintaining acceptable pressure drop characteristics when used in POU home water filters. TOG<sup>®</sup>-NDS 20x50 is a low water soluble ash product ideally suited for devices requiring certification under the rigid standards of ANSI/NSF. Because the product has low ash content, the possibility of releasing undesirable constituents into treated water is greatly reduced.

#### Applications

TOG<sup>®</sup>-NDS 20x50 can be used in liquid phase applications such as POU water filters; e.g., faucet-mounted, under-the-sink, counter-top, and in-line cartridge home filter units. The product is designed to meet the stringent extractable metals requirements of NSF Standards 42 and 53 test protocols. TOG<sup>®</sup>-NDS 20x50 can be used in applications where the leachable metals typically associated with standard activated carbons would be harmful to effluent product. Such applications include filtration of water for pre-reverse osmosis and pre-deionizer operations.

#### Features

- Low water soluble ash content
- 20x50 mesh size
- Bituminous-based raw material

#### Specifications

Iodine No., mg/g (min)	850
Moisture, wt%, as packed (max)	3
Abrasion Number (min)	75
Extractable pH (max)	8
Water Soluble Ash, wt% (max)	0.1
<b>Screen Size, US Sieve Series (weight%)</b>	
Percent on 20 mesh (max)	3
Percent through 50 mesh (max)	1

#### Packaging

- 200 lb. (90.7 kg) fiber drum
- 1,000 lb. (453.6 kg) super sack
- 58 lb. (26.3 kg) kraft bag

#### Benefits

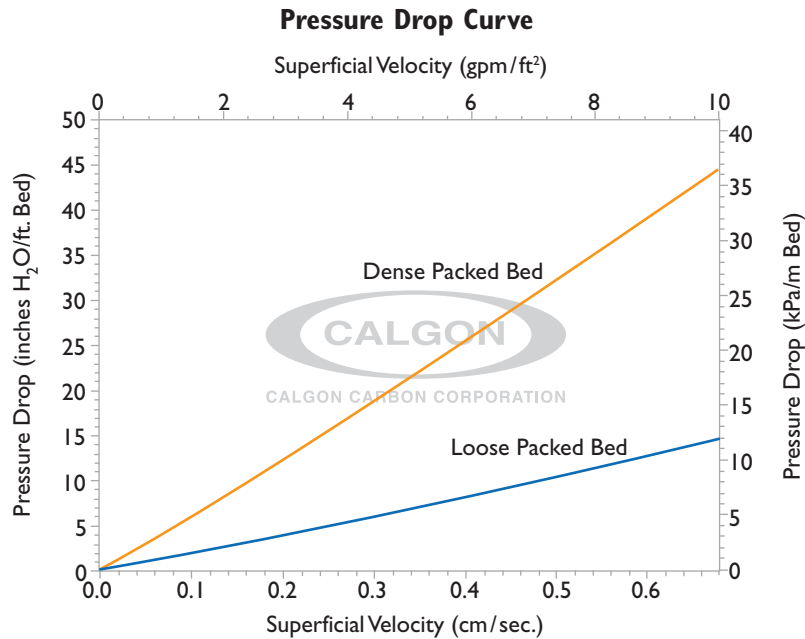
- Ideal for certification under ANSI/NSF test protocols
- Reduces leachable metals relative to standard activated carbons
- Provides efficient removal of VOCs, taste and odor compounds, and residual disinfectants such as chlorine
- Maintains acceptable pressure drop when used in POU home water filter devices
- Provides higher hardness relative to other coal-based raw materials reducing generation of fines and product losses during handling
- Pore structure provides a wider range of contaminant removal capabilities relative to other starting materials

#### Carbon and Process Media

Visit our website at [www.calgoncarbon.com](http://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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### 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.

### 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.

Visit our website at [www.calgoncarbon.com](http://www.calgoncarbon.com)



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