

Product Bulletin

TOG-NDS 20 x 50 GRANULAR ACTIVATED CARBON

Description

TOG-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-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 this while maintaining acceptable pressure drop characteristics when used in POU home water filters. TOG-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-NDS 20x50 can be utilized 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, 53, and 58 test protocols. TOG-NDS 20x50 can be utilized anywhere that leachable metals typically associated with standard activated carbons are harmful to effluent product. Such applications include filtration of water for pre-reverse osmosis and pre-deionizer operations.

Design Considerations

TOG-NDS 20x50 is intended primarily for use in POU home water filter applications. The field packed density of the product is typically 20 lb/ft³ (0.46 g/m³).

Specifications

Iodine No., mg/g	850 min.
Water Soluble Ash, by weight %	0.1 max
Moisture, by weight %, as packed	2 max
Abrasion Number	70 min

U.S. Sieve Series

Percent on 20 mesh	3 max
Percent through 50 mesh	1 max

Packaging

200 lb (90.7 kg) fiber drum
1000 lb (453.7 kg) supersack
58 lb (26.3 kg) kraft bag

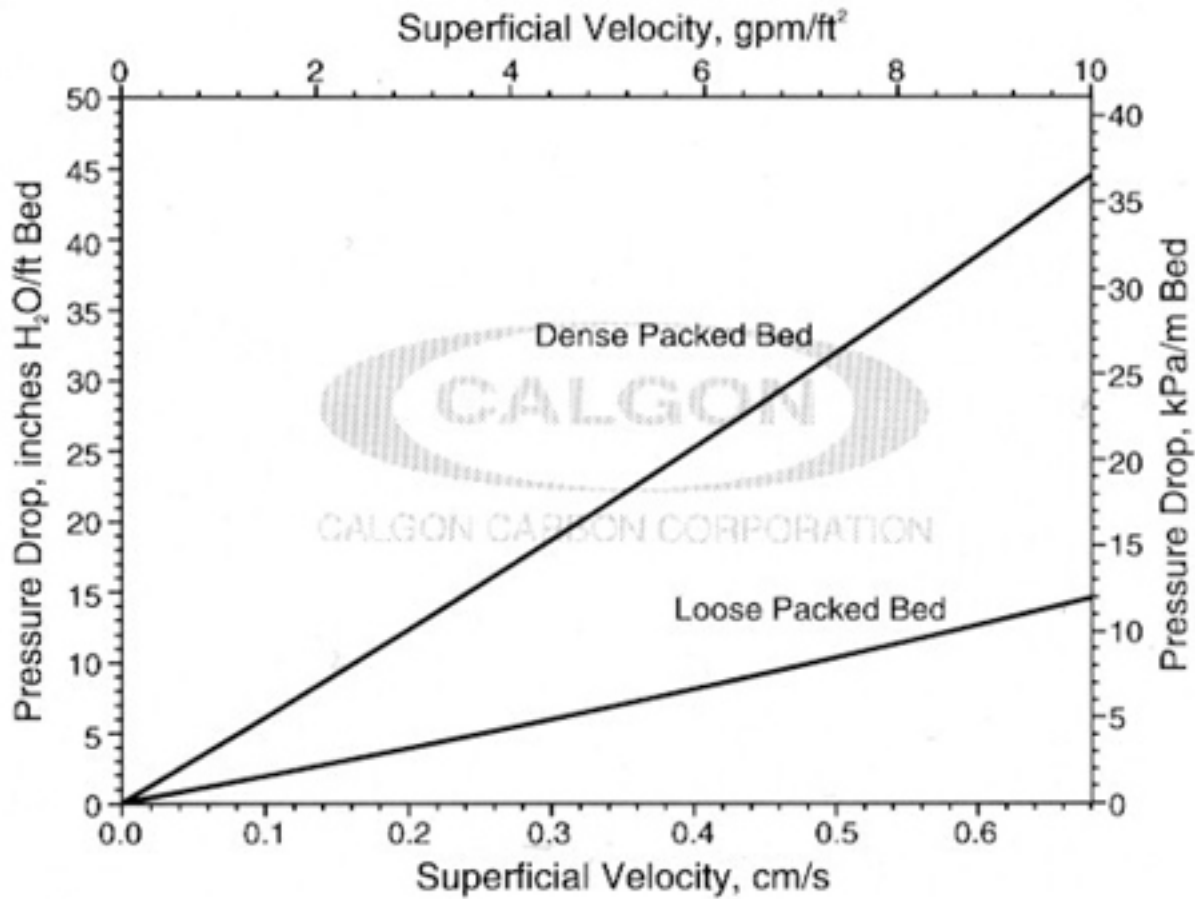
Manufacturing

Catlettsburg, KY



Visit our website at www.calgoncarbon.com, or call 1-800-4-CARBON to learn more about our complete range of products and services, and local contact information.

**Chemviron
Carbon**



PRESSURE DROP CURVE

Features

- ◆ Low Water Soluble Ash Content
- ◆ 20x50 Mesh Size
- ◆ Bituminous Based Raw Material

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 loss
- ◆ Pore structure provides a wider range of contaminant removal capabilities relative to other starting materials

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.



Calgon Carbon Corporation
P.O. Box 717
Pittsburgh, Pa 15230

Chemviron Carbon
Zoning Industriel C
B-7181 Feluy, Belgium

**Chemviron
Carbon**