

# Wolverine Brand Manhole Odor Filter Insert <sup>TM</sup>

Superior Odor Control, Superior Quality,  
Exceptional Price



- **Insert manufactured from a durable High Density Polyethylene Copolymer corrosion proof material.**
- **Designed to fit the manhole frame rim upon which the manhole cover rests, making it completely hidden**
- **Will not interfere with installation or removal of the manhole cover.**
- **Requires no routine maintenance other than occasional replacement of the carbon bed media.**
- **Carries a 1 year Limited warranty.**
- **Competitors units cost upwards of \$1000.00 The Wolverine Brand Manhole Filter Insert <sup>TM</sup>:**

Hydrogen Sulfide (H<sub>2</sub>S) based odors emanating from wastewater sewer line manhole covers are an extreme nuisance for residential homeowners or users of near-by public facilities or property. The negative publicity and hassle caused by persistent nuisance odor complaints originating from manhole covers are costly in both time and money for cities or industries that own the odor-producing infrastructure.

Simple Solutions Distributing LLC offers a cost effective odor control solution in the form of The Wolverine Brand Manhole Odor Filter Insert. The Wolverine Brand Manhole Odor Insert is Custom made to your exact Dimensions to ensure a Quality installation and trouble free operation. Each Wolverine Brand Manhole Odor Insert is designed for easy installation and years of trouble free service. The skirt is manufactured from a "durable" High Density Polyethylene Copolymer material that meets ASTM Specification Designation D-1248 Class A, Category 5, Type III. The carbon canister is manufactured from PVC and corrosion resistant components.



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## DATASHEET

No. 1230  
Feb 2012

### DARCO® H<sub>2</sub>S

GRANULAR ACTIVATED CARBON

**DARCO H<sub>2</sub>S** is a specialty activated carbon, developed for removing hydrogen sulfide from air streams and eliminating "sewage odors". **DARCO H<sub>2</sub>S** is the most cost effective carbon based solution available for the removal of "nuisance" type odors. It is produced by steam activation at high temperature using a proprietary process, which does not involve the use of any impregnant. As a result, the risk of bed fires due to exothermic reactions is greatly reduced. **DARCO H<sub>2</sub>S** is produced as a 4x8 mesh granular carbon to provide a low-pressure drop in gas phase applications, making it suitable for use in the adsorption equipment at many of the existing odor control installations.

#### Product Specifications

H <sub>2</sub> S Capacity (ASTM D6646), g/mL	0.2 min.
Moisture, % as packed	8 max.
Mesh size (U.S. Sieve Series)	
Greater than 4 mesh (4.75 mm), %	10 max.
Less than 8 mesh (2.36 mm), %	10 max.

#### Typical Properties\*

Apparent density, poured, g/mL	0.40
lb/ft <sup>3</sup>	25
Mesh size (U.S. Sieve Series)	
Less than 8 mesh (2.36 mm), %	5
Mean particle diameter, mm	3.4

\*For general information only, not to be used as purchasing specifications.

#### Packaging/Transportation

Standard packages:

40 lb paper bag; 30 bags per pallet for a net pallet weight of 1200 lb

Woven polypropylene bulk bag, 1000 lb net

Activated carbon (NOT REGULATED)

Exempt from DOT, IATA, and IMDG regulations

Import/Export classification: 3802.10.0000 (HS Tariff Classification)

Domestic Freight Classification: NMFC 040560

CAS # 7440-44-0

#### Material Handling

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas should be followed. Appropriate protective equipment should be worn. Avoid inhalation of excessive carbon dust. No problems are known to be associated in handling this material. This product contains silica. Please see the Product Material Safety Data Sheet for details. Long-term inhalation of high dust concentrations can lead to respiratory impairment. Use forced ventilation or a dust mask when necessary for protection against airborne dust exposure (see Code of Federal Regulations - Title 29, Subpart Z, par. 1910.1000, Table Z-3).