



# PARSON ODOREATER CC MANHOLE INSERT

**DESCRIPTION:** PARSON ODOREATER CC is a specially designed Manhole Insert, with the addition of a canister containing 20 lbs. of non-impregnated, catalytic activated carbon, that traps and stores unpleasant hydrogen sulfide and methyl mercaptan odors. Purified air is then allowed to ventilate into the atmosphere through the canister lid. A one-way valve allows water to drain, but no air to pass through it. Unlike typical activated carbons, catalytic carbon can be water washed to restore some of its H<sub>2</sub>S capacity and extend the useful life.

**ADVANTAGES:**

- Catalytic carbon can be water washed to extend its life and effectiveness
- Compact and corrosion resistant.
- Does not require routine maintenance and carbon can be replaced without removing the entire unit from the manhole.
- Will not interfere with installation or removal of the manhole cover.
- Twenty-pound bags of replacement carbon are available.

**SPECIFICATIONS:**

Pellet Diameter (mm)	3.4 – 4.0
Moisture % (as packed)	15
Hardness %	97 min.
H <sub>2</sub> S breakthrough capacity*	0.30
gH <sub>2</sub> S/cc carbon	

*\*H<sub>2</sub>S capacity is measured using ASTM D6646-01. Testing requires passing a moist air stream containing 1% by volume H<sub>2</sub>S through an appropriately sized column packed with catalytic activated carbon and monitoring to a 50ppmv H<sub>2</sub>S breakthrough. Results are reported as grams of H<sub>2</sub>S per gram of carbon.*



**REGENERATION:**

The first step for regeneration of the carbon is to soak it overnight (4 – 5 hours), then a gentle backwash is done (10 – 18 hours), and finally, air flow through the carbon bed is required in order to dry it. The carbon can take a few days to dry out completely. While the carbon is still wet it will NOT remove the H<sub>2</sub>S. The water wash will only partially renew the carbon’s capacity to remove H<sub>2</sub>S and the carbon will become ineffective after several washes. Spent carbon may be disposed of as non-hazardous waste.

**INSTALLATION:** No special tools are required to install PARSON ODOREATER CC MANHOLE INSERTS. Just remove the manhole cover and clean the rim of the frame. Place the PARSON ODOREATER CC MANHOLE INSERT, without the canister, on the manhole frame rim. Remove the canister lid. Pour the 20 lb. of activated catalytic carbon into the canister. Grasp the handle and gently place the canister through the hole in the insert. Replace the canister lid. Reinstall the manhole cover onto the frame.

**MEASUREMENTS NEEDED FOR PROPER INSTALLATION OF PARSON ODOREATER CC MANHOLE INSERTS**  
(Please enclose a copy of this drawing with your order)

