

Peacemaker™ Brand Odour Control Manhole Inserts

Brand New technology designed for the control of sulphides, mercaptans and other malodorous compounds generated in wastewater networks

Nearly all municipalities suffer with odor problems from manholes. The main culprit is hydrogen sulfide (H₂S), but other malodorous compounds are present, as well. The problem has not been easy. Treating flow is very expensive. Systems for treating air usually require electrical power and/or clean water. Sealing covers moves the problem down the line or through the vents of neighboring homes and businesses. These complications are all solved with PEACEMAKER odor control manhole inserts.

peace'mak'er, n.

- One who makes peace or reconciles parties at variance
- Allays agitation, calms

per'snick'e'ty a. (Colloquial - Scottish dialect)

- Showing extremely careful treatment
- Fussy, fastidious

Easy Installation

- Remove manhole cover and clean rim
- Place PEACEMAKER insert on frame rim and add media
- Replace cover

Summary of Advantages

- Durable, no maintenance, no corrosion
- Constant venting of line pressure
- Superior malodor control
- Three-year guarantee
- Minutes to install
- Economic

Limited Warranty

Our only obligation shall be to replace or pay for any material proved defective. Beyond the purchase price of materials supplied by us, we assume no liability for damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

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Peacemaker Manhole Filters

There are two options: **Option 1** is superior where odour control is the only concern. **Option 2** is used when both Odour Control and *Inflow* control are needed. (see overleaf)

OPTION 1 - PEACEMAKER Inserts with Oxidising and Polishing Media

This design provides generous venting through PERSNICKETY® DI-OX™ PELLETS, the patented oxidising media. PERSNICKETY DI-OX is an extremely powerful oxidising agent. Because DI-OX reacts selectively and primarily with only the most offensive odour producing compounds (hydrogen sulphide, organic sulphurs, organic amines) PERSNICKETY DI-OX PELLETS will normally provide a much longer service life than products such as activated carbon. Unwanted reactions do not occur. Power is not needlessly spent. DI-OX remains available and ready on demand.

Polishing is accomplished with Countervailant™ technology. This technology protects against the escape of malodours which cannot be oxidised or readily oxidised. It functions synergistically with the technology to which it is wed. Countervailant technology is highly specialised, complex and broadly useful chemistry. It incorporates neutralisation technology, but expands considerably beyond it. Polishing and oxidising are accomplished simultaneously. The result is safe, extremely effective broad-spectrum malodour control.

OPTION 2 - PEACEMAKER Inserts with Polishing Media and Inflow Protection

It is not unusual for a single manhole to add 10,000 gallons of water to collections flow on a rainy day. Multiply this by several dozen, several hundred, several thousand and it is easy to see how wastewater treatment plants can be hydraulically overloaded. This not only upsets treatment, it costs money. Option 2 Inserts will stop inflow cold. At the same time, sewer gas is vented at 1 p.s.i via a patented relief valve. To prevent ponding over the manhole cover after rain, the relief valve has a designed leak-down rate of not more than ten gallons in 24 hours. Torrents are reduced to drips. Your inflow problem is solved.

The insert will provide some odour control on its own, since it allows only 1 p.s.i venting relief. Even this can pose problems in some places. In such cases, vented air is directed through a mesh bag containing a patent-pending, odour-absorbing fibre media soaked in PERSNICKETY DI-OX neutralising solution. This provides excellent odour control. The media will periodically require the addition of 4 litres of PERSNICKETY DI-OX 2000/312 dilute solution through the pick or vent hole. Evaporation rate and malodour severity will dictate timing and dilution rate. On average, it will be necessary every 6-8 weeks using solution of one part DI-OX 2000/312 to 2 parts water. PERSNICKETY DI-OX PELLETS are not recommended for this insert. Fibre media replacement bags are available.

Specifications and Physical Data

PEACEMAKER Inserts are made to last. They are guaranteed for three years against manufacturing defects. They will not corrode and require no maintenance.

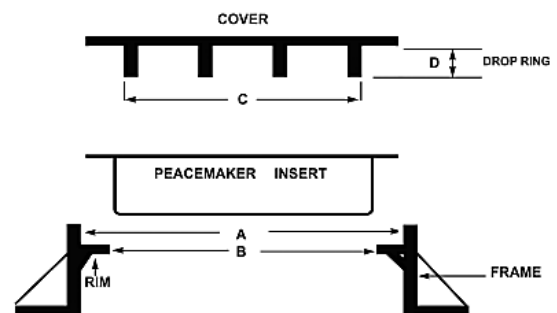
Inserts	Media - (oxidising/polishing)	Media - (polishing only)
<p>Butyrate styrene not less than 3/32" nor greater than 6/32". Meet Federal Standards of L.P1183 and pass A.S.T.M. tests D256, D638, D790, D792, D785 and D648. Factory installed 1" nylon lift strap for easy removal.</p> <p>On odour/inflow insert only - closed cell Neoprene gasket; relief valves contain no metal parts, relieve at 1 p.s.i or less, leak-down rate not more than 10gals/24hrs.</p>	<p>DI-OX™ PELLETS Approx 5gm each in weight. Loading recommendation - 10kgs per insert.</p>	<p>Approx. 1" cubes of odour absorbing cellulosic fibre. Absorptive capacity of PERSNICKETY® DI-OX™ solution - 300 litres/M³ minimum. Load insert with 10 litres of media. Change and recharge with 4 litres of DI-OX 2000/312 solution.</p>

Ordering

Your **PEACEMAKER™** rep has 'How to Order' worksheets available on request

Required Measurements

- A - Manhole frame diameter (flat bearing surface)
- B - Inside frame diameter (clear opening)
- C - Drop ring diameter
- D - Drop ring depth (from cover underside, outside edge)



preserving the environment

Odour Control Systems Ltd
33a Castle Close, Manor Lane
Hawarden Industrial Park
Hawarden, Flintshire CH5 3QX

Phone: +44 (0)1244 536700
Fax: +44 (0)1244 535184
E-mail: mail@odourcontrolsystems.ltd.uk
Web: www.odourcontrolsystems.ltd.uk



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