

# McBerns Pty Ltd GM300 Ground Mount Odour Filter



## GM300 Ground Mount Odour Filter

We have designed the **McBerns GM300 Odour Filter** to be installed on top of air valves, sewer manholes, pump stations or replacement of old corroded vent stacks at ground level to treat gaseous emissions released at those sites. In fact they can be used in any commercial situation where odours are a problem. Our Filter absorbs H<sub>2</sub>S, biogases and other foul odours, using an environmentally friendly natural mineral and an oxidising chemical.

### WE UNDERSTAND ODOURS

Many odour problems occur during times of peak flows, which generally occur for periods of around 2 -3 hours in the morning and again in the evening. Peak flows create greater turbulence causing increased release of biogases, particularly H<sub>2</sub>S. At the same time the extra displacement of sewage flow causes the gases to be forced from the confined space of the manhole or pump station. The gases find their way into the atmosphere via gaps in lids etc, thus resulting in odour complaints. **Have your council staff ever received an odour complaint, and by the time they reach the site, the odour is no longer noticeable?**

**Your crews may miss the critical periods, the  
McBerns GM300 Odour Filter doesn't. It's always on the job!**

## OUR FILTER IS NOT JUST A MASK

The **McBerns Odour Filters** don't just mask the odours. They actually absorb biogases, particularly H<sub>2</sub>S, by a continuous treatment process where the specially formulated media captures the sulphide gas & other foul noxious odours and neutralises them by changing the molecular structure, only releasing clean air into the environment.

**MCBERNS FILTERS ARE A PROVEN FAST, EFFECTIVE & ECONOMICAL  
SOLUTION TO YOUR ODOUR COMPLAINTS.**

[www.mcbarns.com](http://www.mcbarns.com)

## EASY INSTALLATION

Installation is easy as the **McBerns GM Odour filters** are mounted at ground level and only require a 100-150mm hole to be cored in the manhole lid or pump station roof. The filter is then mounted over the cored hole. A successful installation requires that lids and any other escape routes be efficiently sealed, leaving emission via the filter as the only escape option. Increasingly **GM300 Filters** are being used to **replace old corroded vent stacks** and future maintenance can be carried out at ground level, **no more expensive cherry-pickers and less WPH&S issues.**

## REPLACEMENT FILTER CARTRIDGE

The **McBerns GM300 Odour Filter** is easily and safely recharged. Longevity of the Filter's effectiveness depends on the amount of gases passing through it. Once the Filter is saturated, a replacement filter cartridge is available. It is safe to handle and easily installed. The Filter media is a combination of various grades of a natural mineral along with a very small amount of an oxidising chemical.



**SEALING IS CRITICAL:** If there are gaps anywhere, the gases will escape through these weaknesses, so for effective odour control, the pump station should be well sealed.

Often we see instances where there is no seal in the service conduit from a pump station's control cabinet. Aside from odour emissions, this can cause corrosion in the cabinet. We recommend the replacement of old corroded lids and covers. Or at the very least seal all possible exit points.



**LIDS & SEALING TAPE:** We have a range of good sealing tapes for pump station lids and we **custom make sealed pump station Safety Lids** to suit most situations, check our web site for more information.

## VENT PIPE MOUNTING

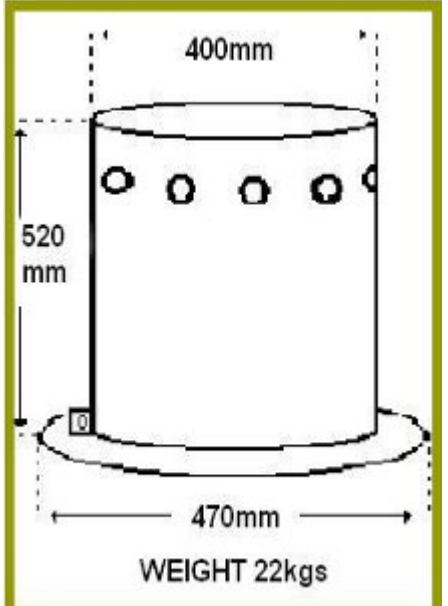
There is also a version **VF300** available for mounting to an existing vent pipe. However, the ground mount version avoids many WPH&S issues, also the cost and inconvenience of a "cherry picker" needed for installation and maintenance of a vent mounted unit.



### Filter comprises 3 parts:

- 1/ Media Cartridge,
  - 2/ Inner Filter Housing,
  - 3/ Outer Filter Housing.
- Robust construction in PVC, aesthetically designed, secure & lockable.

### Filter Components



### Dimensions



# McBerns Pty Ltd

## PUMP STATION AND ODOUR MANAGEMENT

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