Odour Control Systems Limited

TECHNICAL DATA

Peacemaker™ Safecover™

The Cover, Collect and Treat System for Complete Odour Control

peace'mak'er, n.
- One who makes peace or reconciles parties at variance
- Allays agitation, calms

"What is that Smell!" Chances are you have dealt with this very question more times than you care to remember. Not all that long ago, nuisance odours were considered unavoidable. Unpleasantries we just had to bear. But no more! Public intolerance of malodour has grown dramatically. Regulatory pressure is rigorous.

It's a good bet that you have tried and discarded many proposed solutions in your role as "Peacemaker". But it's a sure bet you haven't tried what you are about to see.

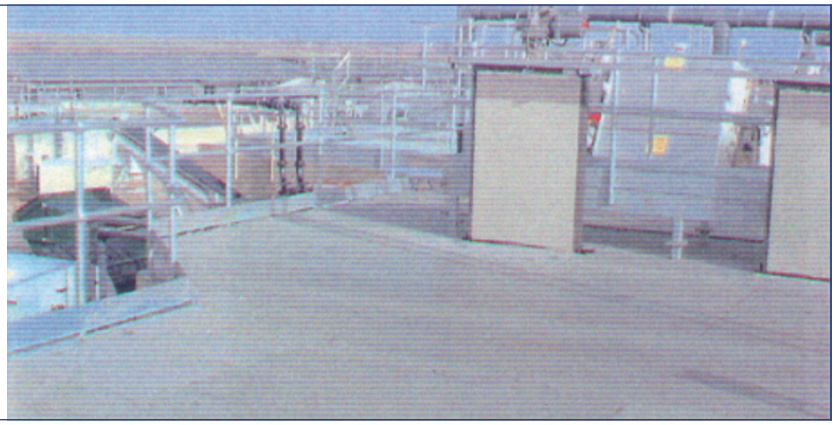
Safecover

GRP Covers for Odour Control

A combination of fabrication skills with High Strength, Light Weight, Structural GRP.

Advanced Technology to produce Odour Control Covers that are also safe working platforms for aperatives

- Wet Wells • Pumping Stations • Inletworks
- Tanks • Desludge Chambers • Channels



Peacemaker

Dry Oxidising Air Scrubbers for Odour Control

New technology designed for the control of sulphides, mercaptans and other malodorous compounds generated in wastewater collections and treatment systems and selected industrial processes.

- Wet Wells • Pumping Stations • Grit Rooms
- Inletworks • Tankering Points • Sludge Tanks
- Desludge Chambers • Press Rooms
- Packaged Treatment Plants
- Enclosed Point Sources

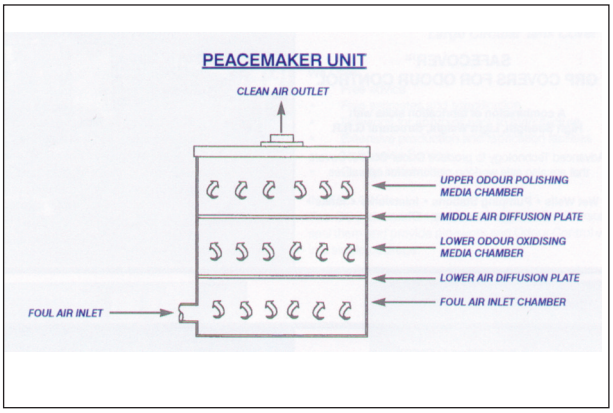
continued overleaf >>>

The Peacemaker

Patent Pending Vessel Design

Elegantly simple, PEACEMAKER™ (brand) systems are compact, self contained, safe and easily installed. There is one moving part - the exhaust fan designed to create neagative pressure to prevent malodorous air from leaking out of an enclosed area into areas which would generate complaints.

Vessel design is integral to the performance of the system. Air is pulled through dual treatment chambers and diffused in a manner to maximise distribution and contact with treatment medias.



Patented Chemistry and Media Design

The PEACEMAKER™ provides breakthrough chemistry and media design for malodour control. Patented, demand dependent, OCS DI-OX™ releasing media in the first chamber is followed by patent pending, absorptive media in the second chamber. The result is safe, extremely effective, broad-spectrum malodour control. Each technology and chamber has a critical role to play.

The Oxidising Chamber

OCS DI-OX™ is an extremely powerful oxidising agent. Because OCS DI-OX™ reacts selectively and primarily with only the most offensive odour producing compounds (hydrogen sulphide (H_2S), organic sulphurs, organic amines, petroleum distillates), **the system will provide a much longer service life than competitive products such as activated carbon or other chemically impregnated medias.**

The Polishing Layer

This chamber protects against the escape of malodours which cannot be oxidised, such as ammonia. Several absorptive medias are employed, depending upon particular odour polishing requirements.

Alumina and carbon materials are typical examples, but a novel odour polishing media under patent application is based on recycled fibreboard treated with special polymers and moulded into cubes. The result is a material from which a media matrix is formed which possesses excellent odour absorption properties.
The polishing Chaber can also be charged with other specialised media for removal and control of non-oxidisable V.O.C.'s etc

Specifications

MODULE	TYPICAL FOOTPRINT M^2	TYPICAL CHARGED WEIGHT KGS	TYPICAL GAS FLOW CAPACITY M^3/Hr
400	0.5	200	200
1500	1.25	1250	1000
3000	2.50	2080	2000
9000	5.00	4500	5000
18000	9.00	6200	10000

continued overleaf >>>

Typical Peacemaker 400 Module and Cover serving P.S.T. Well

Peacemaker 3000 Module serving Imported Sludge and Return Liquors Well

Peacemaker Modules in parallel serving small Works Inlet Area

Modular Design gives Flexibiity

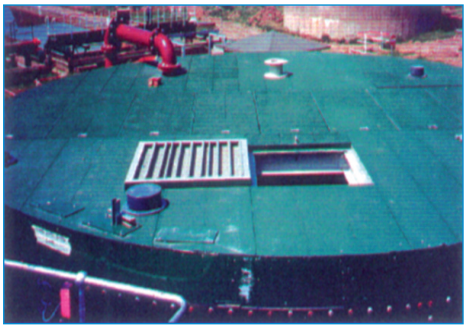
Peackmaker filter scrubber systems are designed to be modular. There are five basic modules (the 400, 1500, 3000, 9000 and 1800 series). These modules are the building blocks of the Peacmaker Filter-Scrubber System. They can be used singly or coupled in parallel or series for treatment of a very wide range of gas flows and odour loadings; indeed the design of any system and selection of module combination is dictated by required gas extraction rate from the source and odour concentrations to be handled. This modular approach provides great flexibility in system layout design, and offers several key benefits to the clien when compared to existing standard technologies being used.

- **The small footprint requirements of systems makes it possible to intimately serve odour sources**
- **Intimately serving odour sources eliminates costly and unsightly long ductwork runs from designs. This improves gas removal effiencies and ensures the reliability of the system's extraction rate**
- **As a 'Dry' System, it requires only an electrical supply (no water or final effluent supply)**

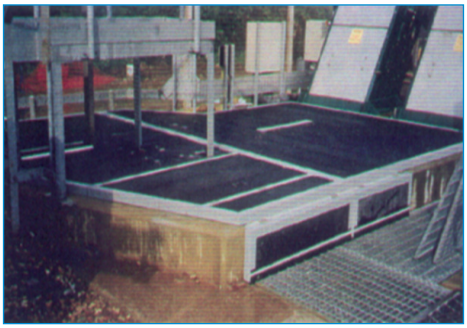
Summary of Peacemaker Benefits

- Quick Low Cost Installations - Minimum Civels Work
- Compact and Space Saving
- Modular Design allows for Flexibility and Versatility
- High Odour Removal Performance at Competitive Cost
- Media Life and Performance Guarantees at Competitive Cost
- Fully Inclusive Service Packages in Purchase Price
- More Cost Effective than Carbon, Permanganate and Bio-Filtration Systems

Covered Screw Pumps



Large Circular Tank Cover



Covered (complex) Works Inlet

Combined Structural & Non-Structural Cover Option

Safecover™

Until now you have probably covered over with steel or used sheet materials thaty will not support personnel loading. Now there is a product that combines the strength of steel with outstanding corrosion resistance and is light enough for one man to lift a suitably sized access hatch.

The OCS Safecover™ Production Process uses continuous glass fibre reinforcements which are impregnated with resin before being formed to the required shape by a specialised mechanical process. This ensures that a very high percentage of reinforcement is achieved resulting in G.R.P. materials that can be used for structural applications just like steel sections, in the form of angles, channels, beams and flooring products.

Design and Fabrication

At OCS we have extensive experience in the design and installation of 'custom built" covers with viewing and access hatches to meet your specific requirements. Where necessary, covers are supported on structural G.R.P. beams and columns. By combining our experience with the extensive properties of G.R.P. we are able to provide our clients with structures of superior cost-effective design and structural integrity.

Advantages

- Made from high strength structural materials
- Suitable for use as a walkway or platform
- Structural G.R.P. support structure
- Lightweight, durable and safe
- With lifting or hinged hatches where required
- Corrosion and chemical resistant
- Slip resistant top surface in any B.S. or RAL colour
- Built to size to suit large tanks or small sumps
- No scrap or theft value
- Fully or partially sealed for passive or active extraction
- Virtually maintenance free

We Offer

- Free advice
- Free estimates and specification
- Drawings for approval prior to manufacture
- Extensive production and fabrication facilities
- Nationwide service
- On-site installation

Installation

The OCS team of experienced engineers will install covers, seal them and provide pipework and Odour Control equipment in a single package

preserving the environment

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