Corrosion Protection & Odour Control

Protection when it really matters

Effectively remove offensive odours and protect your valuable electronic equipment from corrosive air.

Odour control media

Our patented, spherical, porous pellets are comprised of different chemical compounds such as activated alumina, sodium permanganate, activated carbon, and potassium permanganate. The pellets remove gaseous pollutants from the air through a unique chemical process known as chemisorption. During chemisorption, the media converts harmful gases from the air into harmless materials that are trapped inside the pellet. This process is instantaneous and irreversible.

Modules

Our convenient modules allow a user friendly way of solving odour and protecting valuable equipment from corrosion issues with a compact refillable module.

All modules are factory filled from the range of odour absorbing medias and provide easy handling and disposal.

Protector Vent

Reduce harmful corrosion in important control cabinets by using ProtectorVent. Control cabinets need more than just a sealed door because it's impossible to seal the cabinet 100% or heat build up requires venting.

Protectorvent overcomes these problems by positively pressurizing the cabinet and removing the gaseous contamination before it enters the cabinet.

Available in a range of sizes and configurations.

Deep bed scrubber (DBS)

For serious issues the deep bed scrubber is a highly effective, bulk media scrubber for controlled environments with medium-to-high contaminant levels. It is ideal for pulp and paper mills, refineries, steel mills, smelters, chemical plants, petrochemical plants, and other hostile environments.

Drum scrubber (DS) & Chlorine drum scrubbers (CDS)

The standard DS is deal for removal of odorous gases found at pump stations, lift stations, wet wells, force mains, and wastewater treatment plants. The Chlorine Drum Scrubber (CDS) is ideal for removal of chlorine gas found at industrial or water treatment plants.

Recommended for small to moderate applications, the DS & CDS models are sized for airflows up to 1700 m^3/hr.

DS

CDS

Corrosive air system (CA)

The CA system is a self-contained air purification system designed to recirculate & clean air within controlled environments containing sensitive electronic medical equipment and can also be used in conjunction with the PPU system. The CA system is designed to filter room air to maintain low corrosive gas levels in environments containing MRI (Magnetic Resonance Imaging), CT (Computed Tomography), DR (digital radiology), or CR (computer radiology) equipment.

Electronic cabinet unit (ECU)

The ECU offers 3 stages of filtration for maximum protection for free-standing electronics and electric remote controls from the damaging effects of corrosive airborne contaminants.

The ECU is designed for cabinets measuring up to 2.83m^3 and delivers 170 m^3/hr of clean air to the protected space.

Emergency gas scrubber (EGS)

This scrubber prevents toxic chlorine (Cl2), sulfur dioxide (SO2), or ammonia (NH3) gas releases, resulting from a failure in the storage cylinder or system, by providing immediate removal of leaking gas. It is built for indoor and outdoor installation and it requires minimal maintenance Instead of using toxic liquid caustic to neutralize gases, the EGS uses dry-scrubbing media.

Manhole scrubber (MOLE)

The MOLE Manhole Scrubber is a passive odor control system for street-level sewer manholes. It is designed to eliminate noxious sewer odors on busy streets filled with pedestrians. Odors enter the MOLE through the bottom of the unit and flow upwards through two vertically stacked disposable sacks of Odormix media.

Parallel bed scrubber (PBS)

The Purafil Parallel Bed Scrubber is a large, bulk media scrubber that removes high concentrations of target gases with very high horizontal air flow in municipal and industrial markets. This equipment is indicated for different applications such as screening rooms, headworks, large pump stations, refineries, and petrochemical plants. It is also used to polish the biofilter discharge air.

Positive pressurisation unit (PPU)

The PPU is an in-room housing containing a blower, particulate and gaseous filtration, an air measuring station, gage units, and a field adjustable damper. The PPU is designed to work in tandem with standard packaged air handling equipment and CA unit.

Vent scrubber system (PVS)

PVS are ideal for removal of odorous gases from sewer vent pipes with a 99.5+% gas removal efficiency. These inexpensive passive vent scrubbers are perfect for small vent applications and are designed to remove a broad spectrum of odorous gases including mercaptans, hydrocarbons, hydrogen sulfide and general sewer odors.

Tub scrubber system (TSS)

The TSS is a cost-effective means of preventing damage caused by corrosive gases typically found in industrial settings. A three-foot-deep media bed makes the TSS particularly effective in high contaminant areas. Pulp and paper mills, refineries, steel mills, smelters, chemical and petrochemical plants worldwide use this single-bed system to solve corrosion problems.

Vessel scrubber (VS)

The Vessel scrubber system removes high concentrations of odorous gases from large headworks, full treatment plants and large digesters, and is sized for airflows from 3.78 - 9.44m³/s and is available in single or dual media bed designs.

Protection & monitoring

OnGuard System

The OnGuard® Smart (OGS) Monitor helps protect your equipment by measuring and transmitting the level of corrosion in your facility, allowing for action to be taken before problems develop. The OGS can transmit real time data to your SCADA system via a 4-20 mA output signal, and is accessible over ethernet or Wi-Fi.

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Maintenance services

We offer complete filter servicing from mats & replacement filters through to managed service contracts for larger installations.

Coupon analysis

Corrosion Classification Coupons determine whether or not your environment is safe for electronics.

Passive monitoring involves installation of a one-time use coupon that accumulates corrosion over a 30-day time period. The CCC or Corrosion Classification Coupon reliably determines the type and thickness of corrosion build-up on the surface of each CCC.

Coupon analysis is a service provided to customers as a resource for information on their environment.

Please contact our sales offices for these products:

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