

say no to odour with ODR!

air spectrum environmental is the leading supplier of odour control and dust suppression systems and service; supplying an extensive range of liquid neutralisers to both UK and international markets.

odr is a best-selling range of organic, non-toxic, food-grade odour neutralisers (not masking agents) using bio-degradable essential oils collected from sustainable resources. Some odr types are fragranced, but unlike masking chemicals that can cause greater environmental problems than they resolve, odr neutralises malodour by removing it from the air.

When used in air spectrum's odour control systems, the appropriate odr from the range is efficiently atomised to produce a very fine mist. The mist interacts with the odour particles for a sufficient time to neutralise them. Having absorbed the odorous components, odr breaks down the molecular structure to form harmless, non-volatile salts that degrade naturally.

The non-toxic and food-grade nature of odr allows it to be used both in outdoor environments and within buildings. It is harmless to humans and animals and will not cause irritation or health complaints.

ODR neutralising additive



Working in 5 ways:

pairing • oxidation • adsorption • absorption • combination

odr is typically pre-diluted and then atomised into a fine-mist, using one of air spectrum's misting units. By working in 5 ways, odr odour neutraliser offers comprehensive and highly effective odour neutralisation which actually breaks down and removes odours, rather than masking them, or hiding them with surfactant technology.

Fragrances available for odr 1-4 are:

Pine • Eucalyptus • Orange • Bubblegum • Vanilla • Strawberry • Green Grass • Cherry • Lemon • Peppermint

Service Agreements

air spectrum can offer a range of service level agreements, to ensure equipment efficiency and reducing running costs. Our comprehensive service network gives full UK wide coverage, ensuring market leading response times to meet customer requirements.

Odour Consultancy Service

With expert knowledge of solutions and control measures, air spectrum's consultants will offer unbiased and accurate advice about appropriate abatement and control measures.

Our service also includes category odour scaling, sampling & analysis. With expert knowledge of solutions and control measures, air spectrum can offer unbiased and accurate advice about appropriate abatement and control measures.

air spectrum operates to the highest standards and is accredited by a number of professional bodies. These include ISO 9001 quality standards accreditation as well as international environmental standard ISO 14001 accreditation.



National Pollen and
Aerobiology Research Unit
at the University of Worcester



The Odour Control and Dust Suppression Specialists

free consultation

service agreements

rental options on all equipment

lifetime warranties



odour or dust? call now 01905 362100
www.airspectrum.com

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Air Spectrum Environmental Limited, Checketts Lane Industrial Estate, Checketts Lane, Worcester, WR3 7JW

air spectrum

Dust Odour Equipment Specialists

fixed mist delivery: pacific 75/125/250



High pressure misting systems for widespread indoor and outdoor odour or dust issues.

The **Pacific** is a highly effective, high-pressure, multi-nozzle system, delivering a finely atomised mist for the suppression of dust and/or odour control. Pumping water, with or without air spectrum's odr (air spectrum's odour neutraliser), through a high pressure line, to nozzles placed at intervals tailored to your requirements. The **Pacific** system delivers a 'misting curtain'; effectively suppressing dust and neutralising odour. A 7-day timer control, remote facility and pulse mode, allow the system to function without frequent operator attention and ensures reduced running and maintenance costs.

The **Pacific** system is available in three standard static forms; the Pacific 75, Pacific 125 or Pacific 250, with up to 75, 125 or 250 nozzles respectively.

usage

waste transfer stations • landfill sites • composting sites • remediation sites • material recycling facilities (MRFs) • construction and demolition sites • effluent treatment plants • oil refineries • petro-chemical manufacturing and processing plants • chemical processing and manufacturing

key features

optional 1 or 2 metre nozzle spacing • 7-day timer control • remote facility • pulse mode • GRP or stainless steel cabinet • key components housed in an IP65 rated enclosure

mobile mist delivery: pacific mobile



A portable, highly effective, high-pressure, multi-nozzle, finely atomised mist delivery system for short term dust suppression and/or odour control.

The **Pacific Mobile** is trailer mounted and diesel powered so that it can be taken directly to the source of the problem. It includes a 1125 litre capacity bowser, filled with either dilute odr (air spectrum's odour neutraliser) or water for dust suppression. A 100m nozzle line (50m either side) is deployed on pig tail stakes (included), around the problem area. The flexible nozzle line can be adapted to provide a variety of solutions.

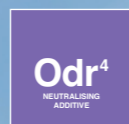
Turnkey operation gives up to 4 hours continuous running on one tank and all fittings are push fit, making the **Pacific Mobile** the convenient, effective and affordable solution to dust and odour problems.

usage

landfill sites • composting sites • remediation sites • construction and demolition sites • effluent treatment plants • oil refineries • chemical processing and manufacturing

key features

up to 100 metres coverage • diesel generator • trailer mounted 1125L bowser tank • 4hrs continuous operation • 50 high pressure brass nozzles (included) • 10m of high pressure manifold (included) • push-fit stainless steel fittings



vortex rotary atomiser



For localised or targeted indoor and outdoor dust and odour problems.

The **Vortex Rotary Atomiser** is suitable for both indoor and outdoor environments for the suppression of dust or to control odour in conjunction with air spectrum's odr neutraliser. The **Vortex Rotary Atomiser** system is available in wall mounted, ceiling mounted and mobile unit form.

The **Vortex** uses rotary centrifugal energy to force liquid into a finely atomised-mist projected forward by a fan at the back of the unit. It can be set to produce a variety of different droplet sizes and can be adjusted to suit differing circumstances, achieving the optimal droplet size to tackle the particular odour and/or dust problem.

usage

landfill sites • composting sites • general manufacturing • food and drink manufacturing • pharmaceutical manufacturing • remediation sites • material recycling facilities (MRFs) • waste facility reception areas • construction and demolition sites • effluent treatment plants

key features

highly energy efficient • low maintenance • centrifugal energy to force atomisation • individual head control • pulse control • remote facility • full water flow control to heads, from 0.5 litres a minute to 3 litres a minute

vortex mobile fans & atomisers

For immediate management of dust and odour problems.

The **Vortex Mobile Fan** system is compact, robust and highly mobile. It can be quickly wheeled into position to effectively neutralise odour, whenever and wherever it occurs. Its immediate availability on-site ensures the operator is always prepared for unexpected problems or for emergency use. Specifically intended to provide focused control of acute odour or dust issues, with a range of up to 10 metres.

The powerful **Vortex Rotary Atomiser Mobile** provides excellent odour control and/or dust

suppression in both indoor and outdoor environments, with a range of up to 30 metres. It is fully towable and can quickly be moved to various locations. It is the ideal solution for variable, localised and emergency odour or dust problems. With a 1125 litre integral bowser, the system can run for up to 6 hours without service.



usage

landfill sites • composting sites • general manufacturing • food and drink manufacturing • pharmaceutical manufacturing • remediation sites • material recycling facilities (MRFs) • waste facility reception areas • construction and demolition sites • effluent treatment plants

key features (fan)

wheel-mounted • compact • manoeuvrable by one person • mains electricity or generator powered (110V/240V)

key features (atomiser)

highly energy efficient • low maintenance • large integral bowser, 1,125 litres capacity • centrifugal energy to force atomisation • integral mist regulator • projects up to 25 metres

odour or dust? call now 01905 362100

odour or dust? see www.airspectrum.com