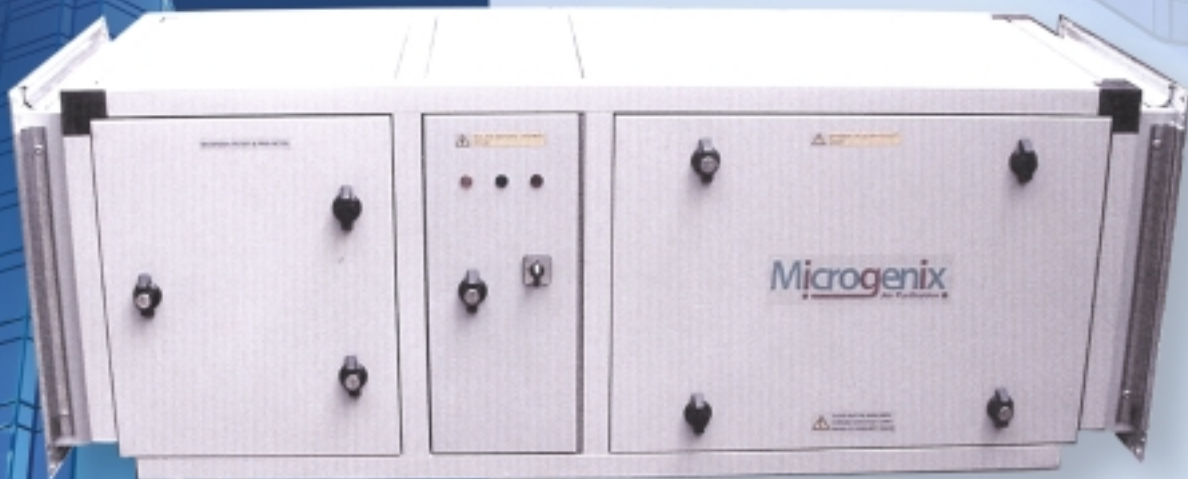


High Efficiency Bacterial, Viral and Odour Filtration Systems



- Biocidal treatment and odour control system
- Complete treatment of recirculated air
- Biogreen 3000 biocidal air sterilisation with ultra violet/ozone odour filtration
- High efficiency up to 99.997 % first pass kill rate



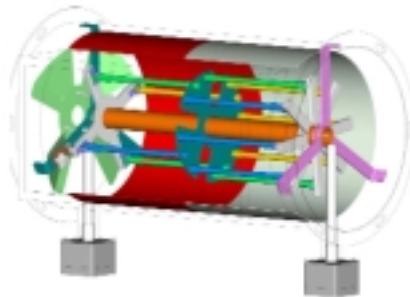
Portsmouth Aviation

MICROGENIX
NEXT GENERATION AIR STERILIZATION TECHNOLOGY

High Efficiency Bacterial, Viral and Odour Filtration Systems for internal ship spaces post CBRN filtration.

Microgenix Naval Systems have been specifically designed to meet the requirements of a modern navy, working independently or in conjunction with any CBRN filtration systems by continually sterilising the recirculating air within a ships' HVAC system.

Poor air freshness and the transmission of air-borne diseases below decks are perennial issues impacting crew health and combat readiness. Microgenix Naval Systems are suitable for both day to day control of airborne mold, spores, odour, common diseases (eg cold / flu), further transmission of viruses contracted whilst ashore indirectly or deliberately as well giving protection in pandemic situations.



- High efficiency up to 99.997 % first pass kill rate
- Scalable system to meet any required flow rate.
- Shock resistance-NATO compliant
- Odour scrubbing and air pathogen elimination
- Energy efficient
- Patented proven technology
- Modular system
- Energy efficient
- Minimal pressure drop
- Retrofittable with minimal disruption
- Has applications in commercial shipping and buildings

Microgenix is fitted as a standard item to the Royal Navy's Type 45 Anti-Air Warfare (AAW) Destroyer for maintaining air freshness below decks. The systems are easily installed by connection to the existing air handling system and electrical supply.

Typical pressure drop and air flow rates for the MD170 unit

Air Flow m ³ /h	108	201	303	552	684	913	1115	1314	1510	1724	1821	2055
Static pressure difference Pa	5	11	21	53	60	98	135	179	217	278	302	36



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