

OIL MIST EXTRACTION SOLUTIONS



 01925 281 230
 www.flamefast-xs.co.uk
 askextraction@flamefast.co.uk

UK partnership with:



Oil Mist Extraction

As a specialist provider of oil mist extraction systems and solutions, FXS ensure the safety of your employees & workplace, by effectively capturing and controlling both harmful & damaging oil mist & oil smoke emissions.



Oil mist or oil smoke formed when cutting fluids are used for cooling and lubricating during various machining processes, creates serious health, environmental, & workplace safety issues. Our tailored solutions not only address these challenges but also contribute to a safer and more sustainable workplace.



Key Considerations: When looking to replace, implement or upgrade any oil mist extraction system ensure you:

- Consider the health & wellbeing of all employees
- Improve your workplace safety & working environment
- Provide oil mist extraction equipment that complies with current regulations
- Invest in energy efficient extraction equipment to reduce operational costs

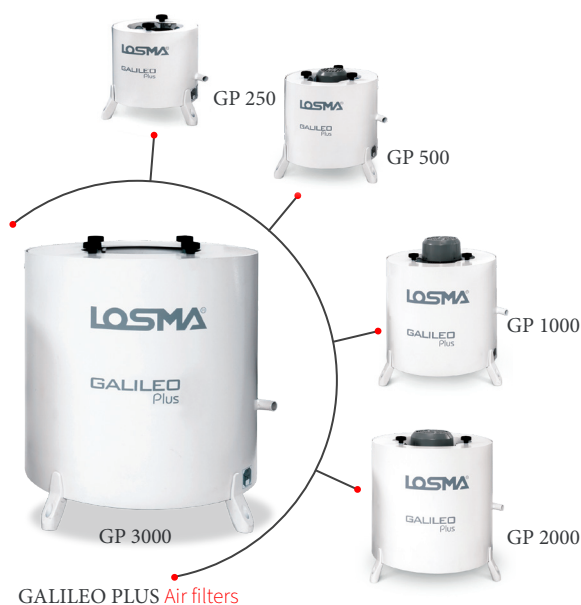


To ensure your system complies with current COSHH regulations and HSE LEV Guidance (HSG258), FXS can arrange a free onsite appraisal of your current process. Our experienced engineers can advise on effective improvements to current systems (if required) or guide you through the procurement of new LEV systems and equipment, capable of delivering the required level of control.

Galileo Plus & Extra

Compact Oil Mist Filters

The Galileo Plus is a patented centrifugal filter for mists generated from Neat Oil & Emulsion coolants used in machine tools. The Galileo Plus is available in 5 models with airflows from 325 to 3400m³/h.



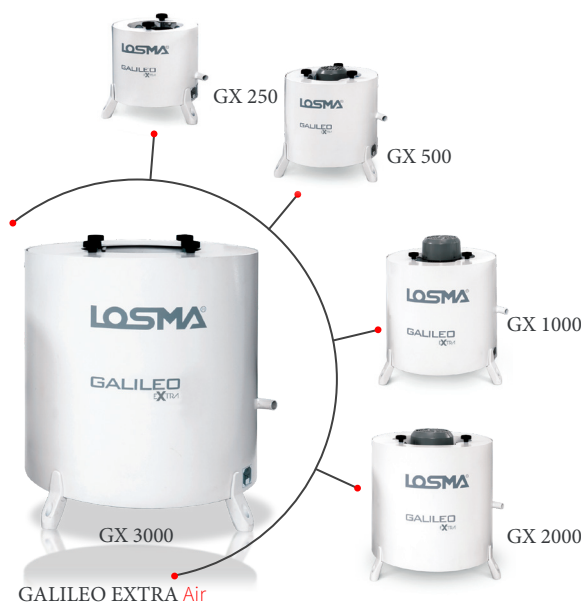
Plus or Extra?

The Galileo Extra has the same principles as the Galileo Plus accept the internal filters have been redesigned to increase filtration efficiency even for the smallest particles for numerous types of oil and emulsions on the market. It also has a higher static pressures to maintain optimal suction flow rates.

Reliable, top quality equipment we stand by!

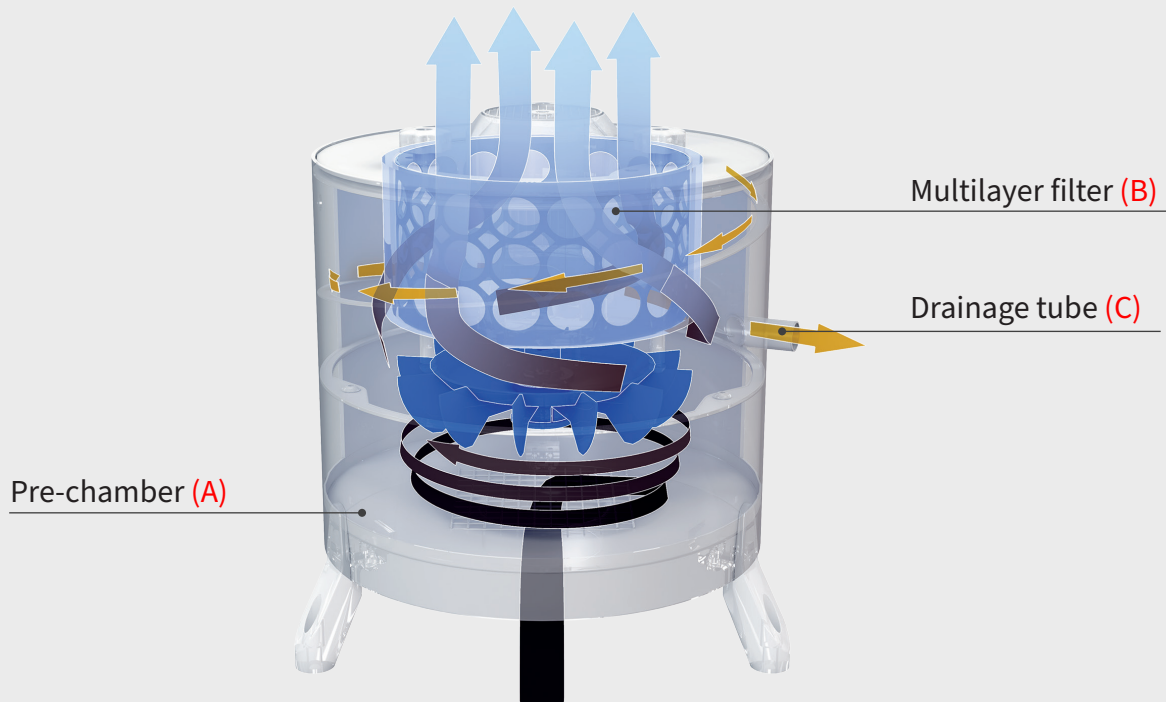
We're proud to use LOSMA

Having been designing and building purification systems for machine tools since 1974. In over 50 years, Losma has developed its portfolio of products establishing their brand as an international leading company in the filtration industry.



Every single LOSMA system is tested through strict control procedures. Every unit is provided with a qualitative and functional test certificate.

Working principles



1. Polluted air is drawn from machine tool into the lower pre-chamber (A) of Galileo Plus.

2. The acceleration effect, due to the centrifugal force generated by a rotating turbine, makes the oil particles bind together and return to liquid state, using the coalescence principle.

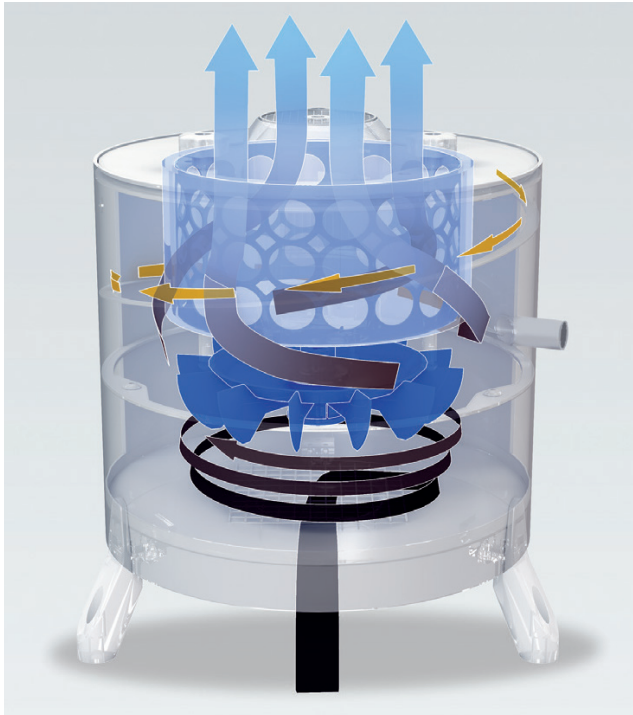
3. A special Multilayer filter (B) having high filtration efficiency, stops and catches even the smallest pollutant particles, avoiding their dispersion in environment.

4. Thanks to a special drainage tube (C) the liquid oil is sent back to the machine tool, to be re-used in working process.

G-Clippers Plus H13 Post Filter

Post-filter cartridge for micromist, smoke and vapor. It allows to reach a high filtration level up to 99.97%.





HIGH FILTRATION LEVEL AND LONG LASTING FILTERS

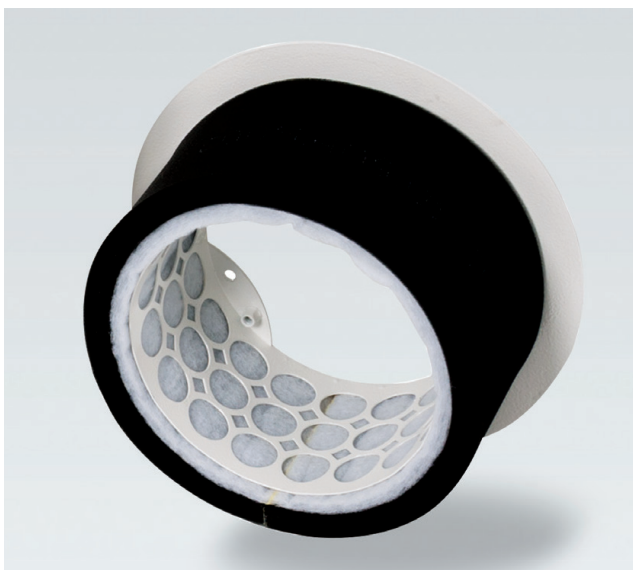
The combination of the turbine centrifugal action and a high efficiency multilayer filter set guarantees a high filtration level. Filters are positioned after the centrifugal action of the turbine, thus they are exposed to a limited amount of polluting agents, having a small size.

This location grants Galileo Plus's filters a longer life than the one of the most common centrifugal or static filters in the market.



REDUCED ELECTRICAL CONSUMPTION

Inspired to Blue Philosophy, Galileo Plus uses energy saving motors with high efficiency and very low power.



TESTED MATERIAL FROM LOSMA'S LABORATORIES

Galileo Plus internal materials passed compatibility stress tests, carried on with different types of neat oils and emulsions in the market.

Argos Pro

Stand Alone or Modular Central System Oil Mist Filter



The new Argos Pro series filters are designed for the filtration of oil mists (emulsion as well as neat oil), vapours and smokes deriving from a variety of machining processes.

This filtration unit has purposely been conceived for the industrial sector, and its important features lie in its sturdiness, reliability and simplicity in conduction and maintenance.

Available in 3 unit sizes with 7 flow rates ranging from 3,000 to 15,000 m³/h and with increasing filtration efficiency rates to reach 99,97%.

Applications



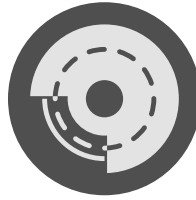
Machine Centres



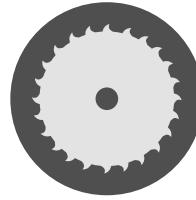
Turning



Milling & Routing



Grinding



Industrial Saw



Industrial Washing Machine

Industries

- Metalworking and Machining
- Automotive Manufacturing
- Aerospace Manufacturing
- Offshore & Marine
- Plastic and Rubber Processing
- Food and Beverage Industry
- Pharmaceutical Manufacturing
- Energy and Power Generation