



ADVANTAGES

- Air flow can be adjusted without affecting the collection efficiency
- Economically efficient separation of ultra-fine cooling liquid mists and fumes
- Operator-friendly due to low-maintenance design
- Collection efficiencies at 99.97% on 0.3 micron and higher particle size with the optional HEPA final filter
- Tool-free filter changes with quick-acting clamps
- Long-life filters
- Optional clean air recirculation
- 24/7 operation
- Plug-and-play delivery

Application

Machine tool, CNC center

Progressive filtration design: The progressive design of ascending filter classes provides the highest filtration efficiency available in the industry. This includes the coarse separator mesh for high contamination, the standard CoaPack diffusion filter as a preliminary filter, a fine filter and the optional downstream final stage filter. This design makes it possible to configure the system for simple applications or for highly complex requirements such as clean air recirculation. This is especially true for ultra-fine mists and fumes generated in the course of high-performance machining

Modular design for flexible configuration: The compact, modular design of the Handte Oil Expert provides for easy, efficient adaptation to specific requirements and installation situations. It is available in four standardized basic modules with different air capacities, which can be combined in a large central system. State-of-the-art technology enables flexible adjustment for system conversions or expansion as production requirements increase

Innovative filter media: The unique structure of the standard CoaPack filter material combines premium separation performance with self-cleaning features via optimum drainage of the separated cooling lubricant. This ensures extremely long filter life of the optional HEPA final filter

Easy filter change for simple, clean maintenance: The operation of the Handte Oil Expert is practically maintenance free. When infrequent filter changes are needed, the change-out is clean, easy and requires no tools. The closed filter cassettes can be removed without being exposed to the oil coated filter materials

Customizable: By combining different basic modules, it is possible to design economically efficient central extraction systems for each requirement capable of air volumes of 41,000 cfm or more. The modular concept of the Handte Oil Expert provides for smooth, cost-efficient production conversions or extensions during ongoing operation

Comment

With increasing production in modern manufacturing, energy consumption continues to grow, particularly in machining processes where cooling lubricants are used. As a result, there are higher demands for the separation of ultra-fine mists and fumes. Worker safety, production efficiency and capital equipment protection cannot be compromised. The Handte Oil Expert provides for optimum results even under the most challenging conditions.