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ULT 200.1 Mobile Extraction Unit with Expanded Filter Area

ULT is introducing a new version of its ULT 200.1 extraction and filtration series featuring an enlarged filter surface area. The ULT 200.1 series has been enhanced with a new filter configuration that significantly increases the unit's pollutant storage capacity and reduces maintenance costs.

Filter capacity is approximately eight times greater: the panel pre-filter offers a surface area of 4 m², compared to 0.5 m² in the standard version, while the activated carbon volume has increased from 1 kg to 8 kg.

This significantly extends filter service life and reduces the frequency of filter changes, all while maintaining the unit's compact footprint. These improvements make the system particularly suitable for laser processes – such as plastics processing or engraving and cutting – that require uninterrupted operation despite high pollutant generation.



The filtration system comprises matched pre-filter and main filter elements that ensure high separation rates and low long-term operating costs. By utilizing a large ISO 16890-compliant panel pre-filter, 80% of particles smaller than 1 µm are captured at the initial stage, thereby decisively extending the service life of the H14 main filter. Downstream of the DIN EN 1822-compliant HEPA filter, an adsorption filter with a substantial activated carbon bed reliably removes gases and odors.

Users benefit from more than just a higher separation efficiency – resulting in exhaust air with a fine dust content of less than 0.005%. The modular design of the extraction units also offers great flexibility in adapting to changing process conditions. The 200.1 series can be

equipped with up to four extraction elements, such as extraction arms or hoses (DN 50, 75, 80).

Integrated constant negative pressure control and selectable pressure ranges automatically adjust the unit's extraction performance based on the number of extraction points in use. This allows the system's extraction capacity to adapt flexibly to specific operating conditions. Furthermore, this technology can automatically compensate for pressure losses caused by loaded filters.

Additional value is provided by the extensive portfolio of genuine accessories designed specifically for the ULT 200.1 series. Users can purchase these directly from the manufacturer, tailoring them to their specific production and pollutant capture requirements.

About ULT AG:

ULT is an international vendor of extraction and filtration solutions for air purification as well as systems for process air drying. The devices, developed and manufactured entirely in Germany, are used in a wide variety of areas of the manufacturing industry, e.g. mechanical engineering, process engineering, electronics production, additive manufacturing, battery cell production, and many others, but also in R&D, teaching institutions and crafts. ULT's products make a significant contribution to protecting the health of employees and to a clean and dry production environment.

The company has been on a healthy growth path since it was founded in 1994, continuously opening new areas of application and maintaining a global distribution and service network. The topic of research and development is particularly important at ULT, which is characterized by collaboration with various research institutes and universities.

The company has been consistently DIN EN ISO 9001 certified for more than 25 years.

Additional information on ULT and its products can be found online at www.ult-airtec.com.

Press Contact:

ULT AG
Stefan Meissner
Am Göpelteich 1
02708 Löbau
Germany

Tel.: +49 3585 41 28 474
Fax: +49 3585 41 28 11
Email: stefan.meissner@ult.de
Web: www.ult-airtec.com