

## **X-CYCLONE® LM Series**

Compact mobile air cleaners for smoke extraction during welding, soldering and brazing processes

## THE BENEFITS OF X-CYCLONE® LASER SMOKE EXTRACTION DEVICES

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- The sturdy housing made of corrosion-proof stainless steel offers considerably higher stability and durability than less expensive versions made of steel sheet or plastic.
- The particulate air filter is fitted with a high-grade glass fibre medium and offers a large filtering surface. It is distinguished by a considerably longer service life than traditional laser smoke filters.
- All filters are fitted with robust stainless steel frames and provide much more stability than lower priced products with paper, wood or plastic frames.
- The fan is made in Germany and designed for low energy consumption. It has been constructed to avoid exposing electrical components and motor parts.
- The air-handling capacities specified in the documentation are achieved over the entire service life.
- The intelligent monitoring system with electronic flow sensors ensures permanent functional monitoring of extraction.





## RANGE OF APPLICATION

Removal of smoke, vapours, odours and gas from the exhaust air of processes such as 3D printing, laser engraving, laser marking, laser cutting, wafer processing, eroding and soldering.



## TECHNICAL HIGHLIGHTS

- High-performance EUREVEN® F2011 separating system with an efficiency rate of up to 99.9999 %. Easy-to-clean filter module with moisture-repelling, synthetic filter material.
- Thorough air cleaning and room refreshing thanks to EUREVEN® F2011 gas filters for odour reduction and HEPA H13 high-performance filters for the separation of airborne particles and fine dust.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with an extended service life.
- Fan impeller and motor with energy-efficient eco-designs as required by the European Directive on Energy-related Products (ErP).
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the corrosion resistance of the housing.

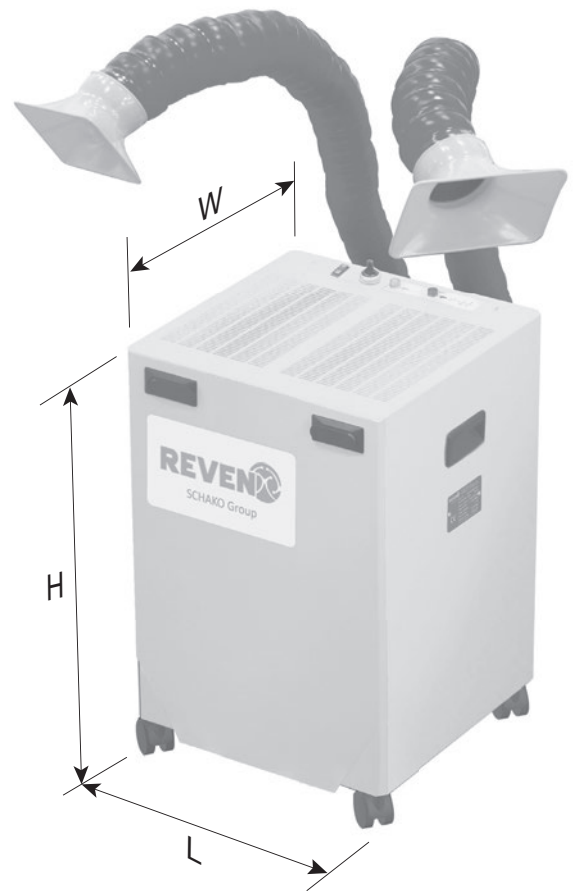
### Further information

[www.reven-store.com](http://www.reven-store.com)



## ACCESSORIES

- Connection pipe socket according to the customer's specifications.
- Powder coating in special colour.



## TECHNICAL DATA – X-CYCLONE® LM SERIES

Type of device	Airflow rate [m³/h]	Electrical data						Dimensions				Weight [kg]	Noise level [dB(A)]
		Voltage [V]		Current [A]		Power [W]		Length [mm]	Width [mm]	Height [mm]	Con-nection DN [mm]		
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz						
LM-1	0 - 500*	1~230	1~115	1.40	2.50	168		400	400	622	2 x 70	33	≤ 50

\* Airflow rate continuously adjustable from 0 to 500 m³/h.