



X-CYCLONE® WM Series

Compact mobile air cleaners for smoke extraction during welding and laser-machining processes

THE BENEFITS OF X-CYCLONE® WELDING SMOKE EXTRACTION DEVICES

- 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 extraction arm with integrated mechanics and the capture nozzle comply with industry's state-of-the-art requirements.
- The particulate air filter is fitted with a high-grade glass fibre medium and offers a large filter surface. It is distinguished by a considerably longer service life than traditional welding 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 device reliably resists flame and spark penetration in compliance with international standards. The spark- and flame-arresting capability has been proven in tests. The system offers much more safety than non-certified baffle plate separators.
- The medium-pressure fan is encapsulated in a flow-dynamic optimized



housing of cast aluminium. There are no exposed electrical components or 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

Cleaning of air extracted from welding work.

Also suitable for cutting, marking and laser welding in the electrical and metal-processing industries.

TECHNICAL HIGHLIGHTS

- Air-handling capacity of 2,000 m³/h; the extraction arm with integrated mechanics has a diameter of 200 mm and a maximum length of 2 m. Two extraction arms with a diameter of 160 mm each are optionally available.
- Long maintenance intervals due to REVEN® LTH (Long-Term HEPA) particulate air filters with a filter surface of 30 m².
- Long-life REVEN® LT HEPA filters with a service life of up to three years.*
- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- X-CYCLONE® basic elements with flame- and spark-arresting capability, tested in accordance with DIN 18869-5 and DIN EN 16282.
- Sustainable air-cleaning concept thanks to the use of cleanable separators and filters with an extended service life.
- Fan impeller and electric motor encapsulated in a separate, flow-optimized pressure casing; energy-efficient eco-design in accordance with the European Directive on Energy-related Products (ErP). Energy-saving potential of up to Euro 2,000 per year compared to traditional air cleaners.



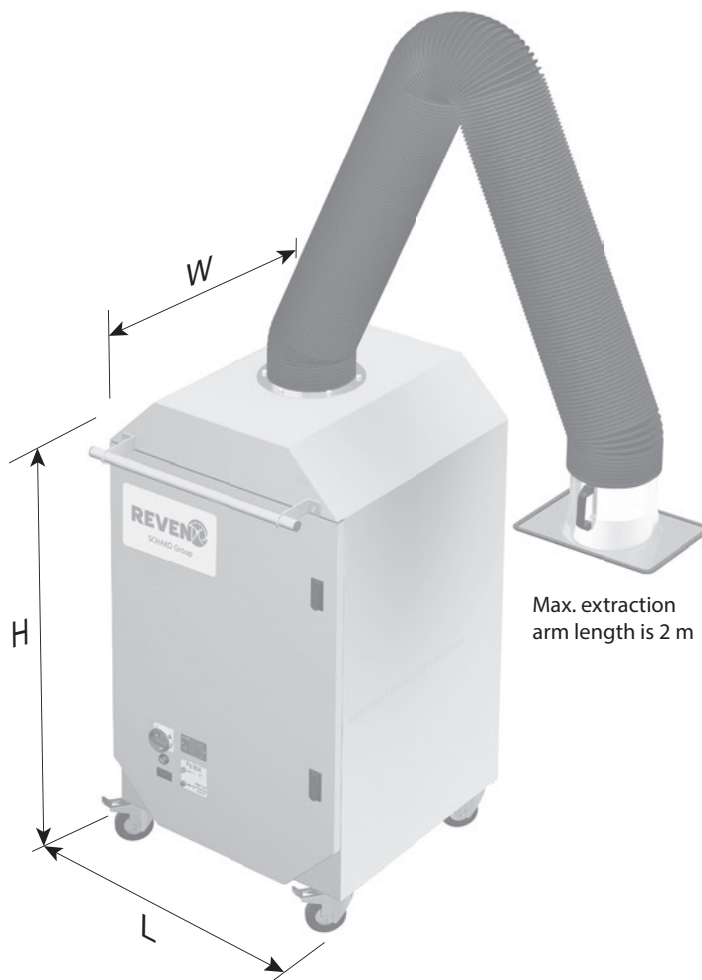
Further information

www.reven-store.com



* Depends on the air load to be handled and the daily operating periods (one or more shifts).

- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Housing 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Intelligent functional display.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the housing.



TECHNICAL DATA – X-CYCLONE® WM SERIES

Type of device	Number of extraction arms	Airflow rate [m³/h]	Electrical data					
			Voltage [V]		Current [A]		Power 1* [W]	
			50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
WM-1	1	2000	3~400	3~480	4.40		2000	
WM-2	2	2000	3~400	3~480	4.40		2000	

Type of device	Number of extraction arms	Dimensions					Weight [kg]	Noise level [dB(A)]
		Device			Extraction arm			
		Length [mm]	Width [mm]	Height [mm]	Max. length [mm]	Diameter [mm]		
WM-1	1	720	700	1360	2000	200	187	75
WM-2	2	720	700	1360	2000	160	197	75

1* Power data referring to the operational power. Other voltages on request!