



## **X-CYCLONE® MO Series**

Flexible compact air cleaners “all-in-one” suitable for the extraction of welding fumes and laser smoke as well as of liquid-based aerosols

## BENEFITS OF THE ALL-IN-ONE X-CYCLONE® AIR CLEANER

- The air cleaner is suitable for simultaneous separation of aerosols with solid particles and liquid-based aerosols.
- The stainless steel housing is robust and resists perfectly to corrosion.
- 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 exhaust from welding work.

Also suitable for the simultaneous separation of aerosols with solid particles and liquid-based aerosols, such as spray mists and other exhausts in the metal-processing sector and the electrical industry.



## TECHNICAL HIGHLIGHTS

- Air-handling capacity of 2,000 m<sup>3</sup>/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 m<sup>2</sup>.
- 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

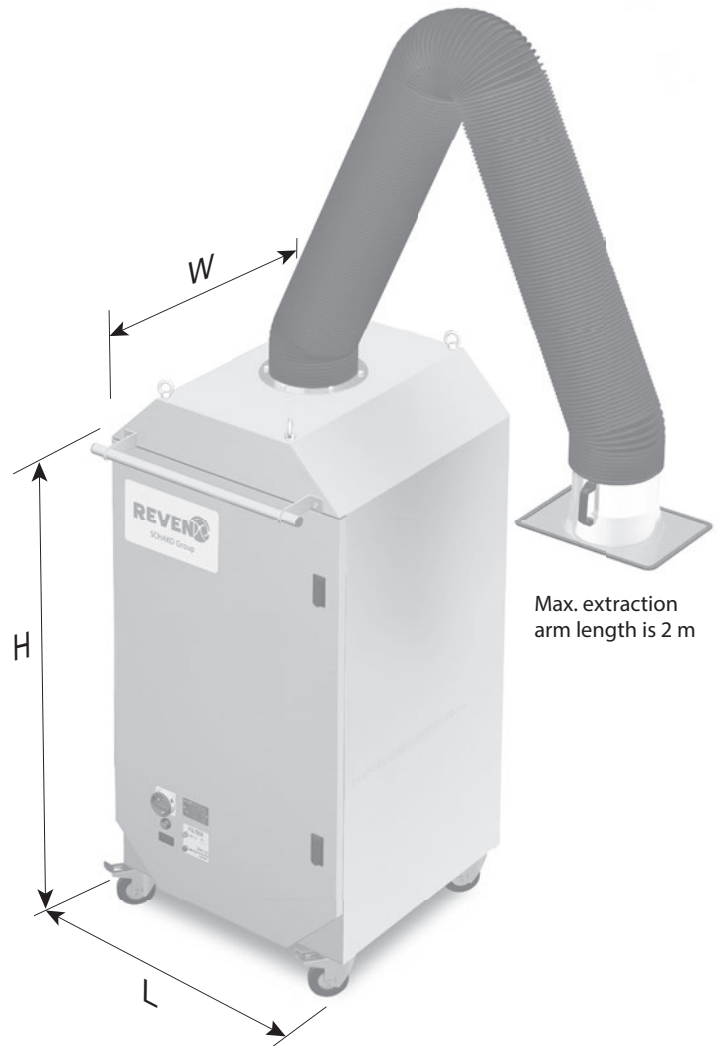
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\* Depends on the air load to be handled and the daily operating periods (one or more shifts).



- 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® MO 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
MO-1	1	2000	3~400	3~480	4.40		2000	
MO-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]		
MO-1	1	750	750	1760	2000	200	259	75
MO-2	2	750	750	1760	2000	160	268	75

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