



## **X-CYCLONE® RKV1 Series**

Duct air cleaners for pre-separation right at the machining process





## RANGE OF APPLICATION

Cleaning of the exhaust air from processing machines, coating facilities, food-production plants and cooking appliances in commercial kitchens. Separation of water- and oil-based aerosols such as cooling lubricants, spray mist or cooking fumes.

Suitable as pre-separator directly at the production area. Installation in horizontal or vertical exhaust ducts.



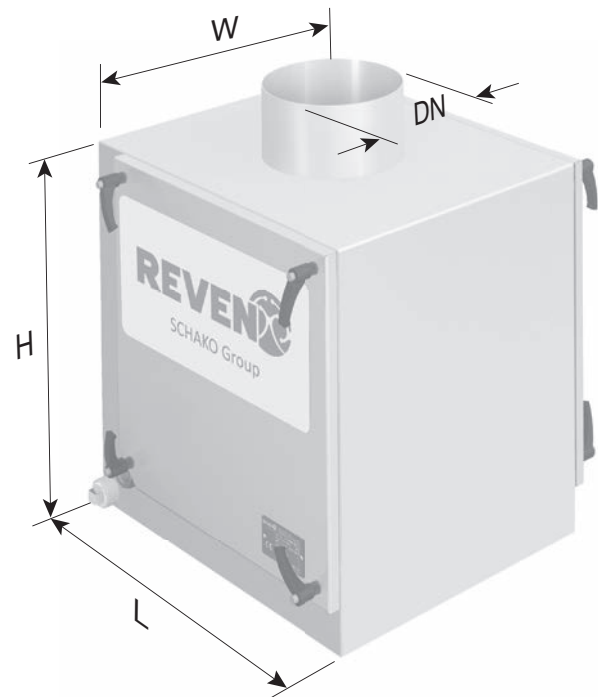
## TECHNICAL HIGHLIGHTS

- Patented high-performance X-CYCLONE® separating system with an efficiency rate of up to 99.9999 %.
- Sustainable air-cleaning concept thanks to the use of cleanable separators.
- Efficiency and function of the air cleaner proven by CFD flow analysis.
- Fire protection in the exhaust duct due to flame-arresting X-CYCLONE® basic elements, tested in accordance with UL 1046, ULC-S 649, JFEA, DIN 18869-5 and DIN EN 16282.
- Enclosure 100 % rustproof in accordance with the requirements of the German trademark association for stainless steel Warenzeichenverband Edelstahl Rostfrei e.V.
- Effective protection of the exhaust duct against contamination.
- Designed, constructed and produced in Germany.
- Lifetime guarantee on the X-CYCLONE® basic separator elements and the corrosion resistance of the enclosure.



## ACCESSORIES

- Differential pressure indicator to monitor the duct air cleaner.
- Adapters and reducers for connection to the exhaust ducts.
- Siphons, drain lines, connecting sleeves and shut-off valves for the separated liquids.



## TECHNICAL DATA – X-CYCLONE® RKV1 SERIES

Type of device	Extraction volume [m³/h]	Dimensions				Pressure drop, total [Pa]	Weight [kg]
		Length [mm]	Width [mm]	Height [mm]	Connecting diameter DN [mm]		
RKV1-1	500	370	380	370	140	400	12
RKV1-2	1200	520	460	520	200	400	27
RKV1-3	2000	600	540	600	250	400	43
RKV1-4	3500	800	660	800	355	400	91
RKV1-5	5000	870	820	870	450	400	134

\* Attention: The specified pressure drops are based on the assumption of an unobstructed air inflow into the X-CYCLONE® duct system and out of it. The air intake and outlet of the duct must be three times, better five times, as long as the diameter of the connection to the X-CYCLONE® duct system.