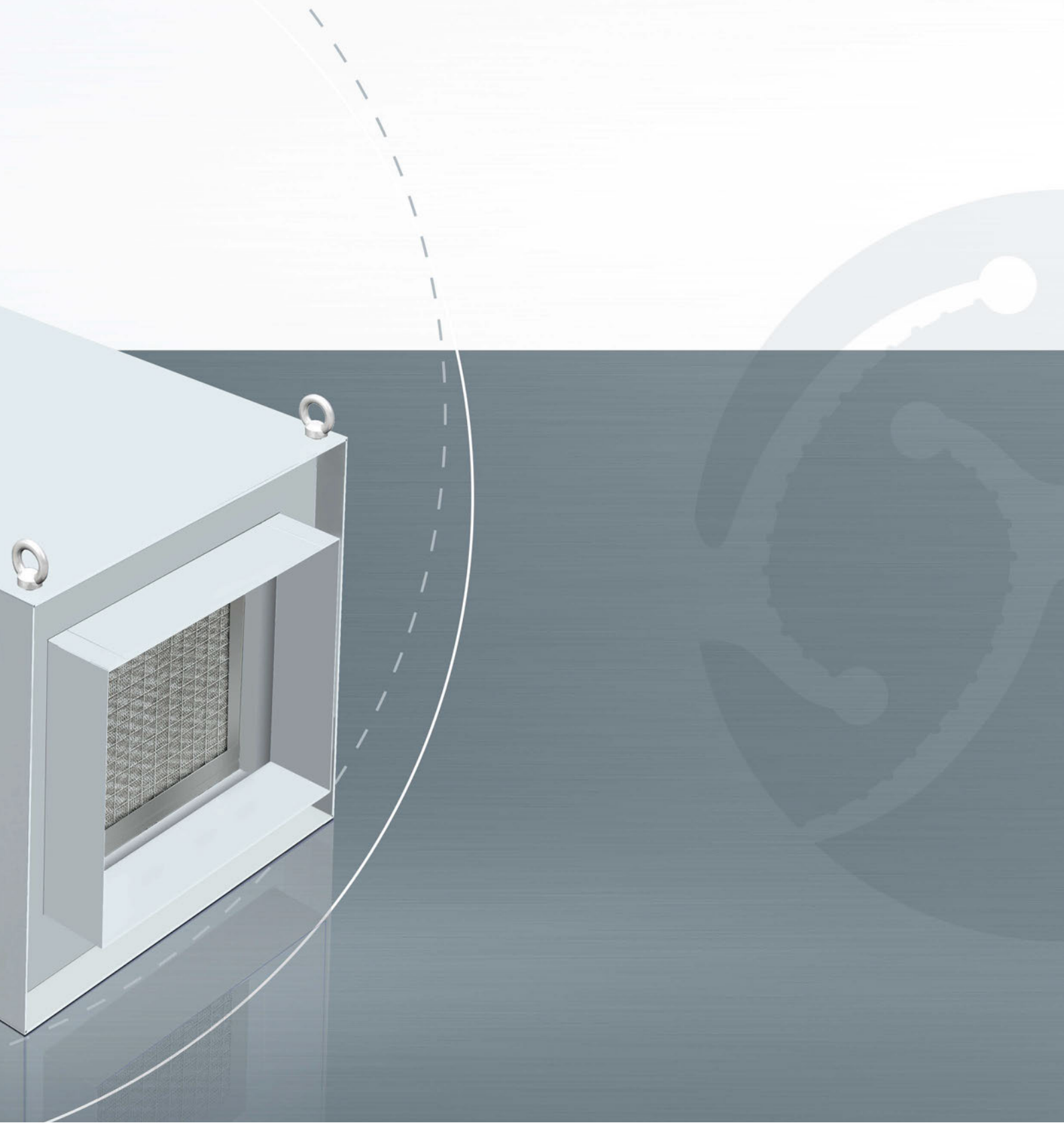


## **X-CYCLONE® RKUV Series**

Duct air cleaners for the reduction of organic and synthetic odour pollution





## RANGE OF APPLICATION

Cleaning of the exhaust air from commercial kitchens, food-production or manufacturing facilities and control of synthetic and organic odour pollution by means of UV oxidation.

Suitable for installation in horizontal exhaust ducts.

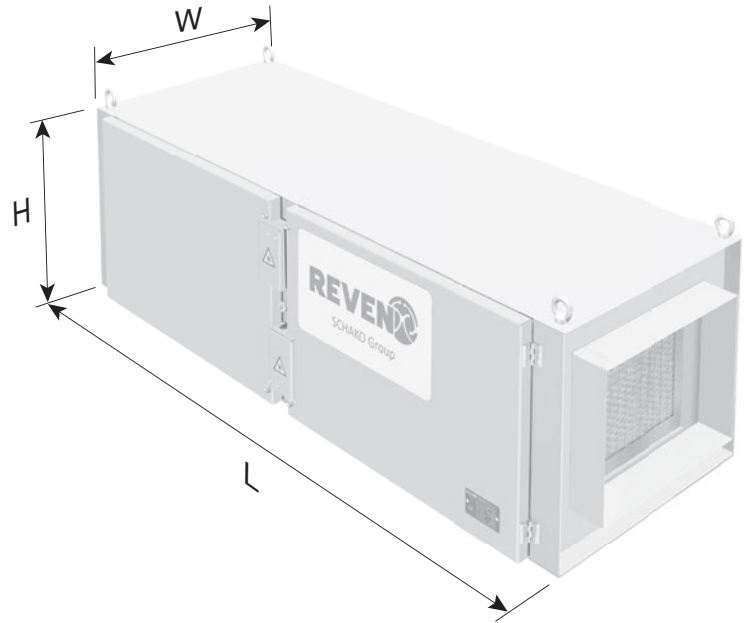
## TECHNICAL HIGHLIGHTS

- Combination of the patented high-performance X-CYCLONE® separating system and REVEN® Longlife UV tubes with an efficiency rate of up to 99.9999 %.
- Exhaust air treatment with UV-C and VUV radiation. UV-C radiation at a wavelength of 254 nm for the destruction of microorganisms (bacteria, fungi and viruses). Vacuum ultraviolet radiation (VUV) at a wavelength of 185 nm to generate ozone for the oxidation of airborne odorous matter.
- 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 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.



## TECHNICAL DATA – X-CYCLONE® RKUV SERIES

Type of device	Extraction volume [m³/h]	Electrical data			Dimensions				Pressure drop, total [Pa]	Weight [kg]
		Voltage [V]	Current [A]	Power [W]	Length [mm]	Width [mm]	Height [mm]	Duct connection [mm]		
		50/60 Hz	50/60 Hz	50/60 Hz						
RKUV-1	800	1~230	1.80	345	1500	460	460	300 x 300	600	65
RKUV-2	1600	1~230	2.50	500	1500	700	460	400 x 300	600	100
RKUV-3	2400	1~230	3.20	655	1500	700	650	550 x 300	600	150
RKUV-4	3200	1~230	6.00	1275	1500	700	700	550 x 550	600	160
RKUV-5	4800	1~230	8.80	1895	1500	1190	810	1040 x 660	600	260

\* 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.

### Note:

When choosing the place of installation, make sure that the air needs at least two seconds to flow from the inlet of the duct-mounting system RKUV to the outlet into the open.