



STRONGMASTER-BGIA cartridge filter unit fitted with 1 suction element, BGIA-certified

- **Appropriate to: long lasting fume suction for welding jobs with non alloyed steels and precious metals, galvanized material and aluminium when large amounts of smoke are generated.**



art.-no. 97 030 101

Description

Mobile cartridge filter unit BGIA-certified in combination with all TEKA suction arms for welding fume category W3 (certification BGIA: 200422876/1140). The separation efficiency is $\geq 99\%$.

As the filter cartridge, fitted with a PTFE membrane and a big filter area, is dedustable, the unit only generates minimal consequential costs. The filter cartridge remains in the unit during dedusting which guarantees that no dust can reach the working space.

The unit corresponds to the security requirements for units of the welding fume category W3 (high alloyed steels). If you handle the unit correctly, you can use it for circulating air operation because it fulfils the requirements for the exceptional rules according to the new german hazardous substances ordinance.

A stable sheet steel construction with continuous powder coating guarantees a low maintenance operation even under rough conditions.

A baffle plate serves to pre-separate gross particles. Afterwards, the filter cartridge separates the remaining dusts and fumes. The filters are dedusted at a maintenance door by means of a compressed air pistol on the clean air side. The particles are collected in a dust collecting drawer and can be disposed afterwards.

The air is evacuated on the backside of the unit through an outlet grill and rises up. Thus, at a 1 m distance, no disturbing air flow is perceivable.

The unit is fitted with a high-capacity fan with high negative pressure that guarantees a high volumetric flow even if the filter is saturated.

Technical data

STRONGMASTER-BGIA cartridge filter unit	
max. volumetric flow of the fan	3 000 m ³ /h
inlet volumetric flow	950 – 1100 m ³ /h
max. pressure	2 500 Pa
engine performance	1.1 kW
separation efficiency	$\geq 99\%$
sound level	ca. 70 dB(A)
dimensions (w×d×h)	665 × 776 × 1265 mm
weight	ca. 130 kg