CareMaster-IFA Mechanical filter unit with 1 suction element

Suitable for

Fume extraction involving unalloyed steels. This unit is IFA certified for welding fume class W3.



CareMaster-IFA (Art.-Nr. 97300101)

DGUV Test
Gefahrstoffgeprüft
Schweißrauch-abscheideklasse W3

Description

This mobile welding fume filter is IFA certified in combination with all TEKA suction arms (Ø 150 mm). The separation efficiency is ≥ 99 %.

The unit meets the security requirements of units of the welding fume category W3 (highly alloyed steels). If you handle the unit correctly, you can use it for circulating air operation because it fulfills the requirements of the exceptional rules according to the new German Hazardous Substances Ordinance (GefStoffV).

A stable construction made of steel plate with consistent powder coating guarantees a low maintenance operation even under rough conditions.

The gross particles are separated in the pre-filter. Afterwards the air is guided through the particle filter where even finest fumes and dusts are separated. The tight lifting device guarantees an absolute impermeability and therefore the separation efficiency of the filter unit.

The air is let out on the backside of the unit through an outlet grill and rises up. Thus, at a distance of 1 m you cannot perceive a disturbing air flow any more.

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

Standard equipment

- Extensive pre-filter mat
- Particle filter with separation efficiency ≥ 99%
- Optical and acoustic filter monitoring
- Sealing device
- Operating hours meter
- Operation control lamp
- Suction arm Ø 150 mm or suction hose 12 m Ø 150 mm
- 5 m mains cable

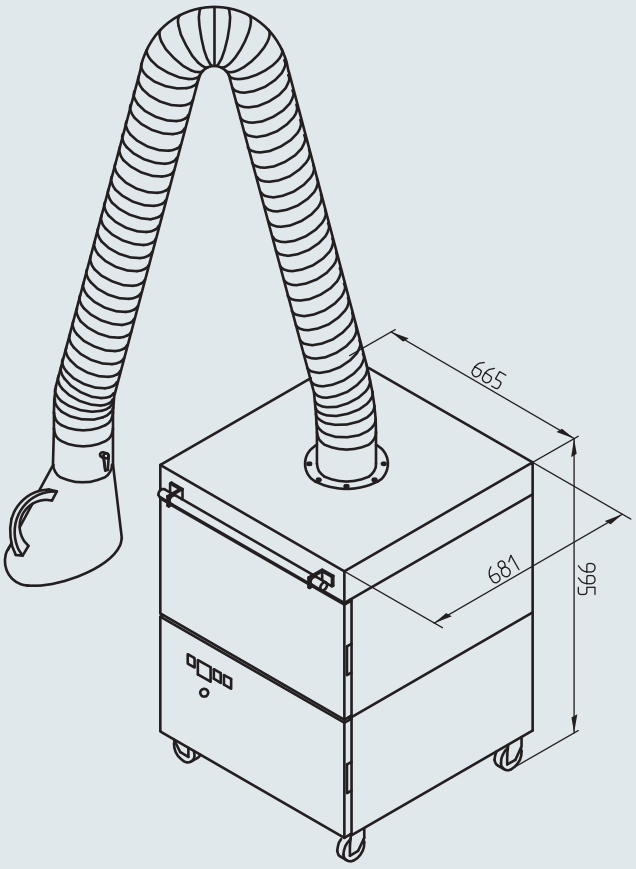
Available as an option

- Automatic start/stop system
- Lighting kit
- On/off switch via suction hood
- Aluminium mesh pre-filter
- Spark arrester screen for extraction hood

Technical Data

CareMaster-IFA Mechanical filter unit	
Max. volumetric flow of the fan	2 500 m³/h
Max. pressure	2 500 Pa
Motor performance	1,1 kW
Separation efficiency	≥ 99 %
Sound level	approx. 70 dB(A)
Dimensions (W×D×H)	665 × 681 × 995 mm
Weight	approx. 122 kg

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Example of application: CareMaster at a welding bench

Available versions

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		Length		
		3 metres	*4 metres*	*12 metres*
Arm, hose type	*Internal joints*	97300101	97300102	
	External joints	97300111	97300112	
Hose				97300140

Subject to change. Images are similar to the actual product.

Accessories for **CareMaster mobile**

	Pre-filter mats 10 pieces per set	610x610x20 mm	10032
	Particle filter F9 (Standard)	610x610x292 mm	10029
	Particle filter H13 (Optionally usable instead of particle filter F9)	610x610x292 mm	10030
	Particle filter H13	610x610x186 mm (when used with activated carbon cassette, Art.-No. 97053)	100357
	Activated carbon filterin replaceable housing	610x610x100 mm (only in conjunction with particle filter H13, Art.-No. 100357)	97053
	Aluminium wire mesh filter	610x610x15 mm	100008
	Protection grille for exhaust hood		10372