CartMaster-IFA Wall-mounted cartridge filter unit, for up to 2 suction elements

Suitable for

Long-lasting fume extraction for welding involving unalloyed and stainless steel, galvanized material and aluminium involving a strong fume production. The unit is IFA certified for welding fume class W3.



CartMaster-IFA (Assembly example)

DGUV Test
Gefahrstoffgeprüft
Schweißrauch-abscheideklasse W3

INCLUDING
POWER SPRAY-SYSTEM
further information on page 54

Description

Stationary cartridge filter unit which is IFA-certified in combination with all TEKA suction arms or cranes according to DIN EN ISO 21904-1/-2.

The separation efficiency is ≥ 99 %.

The unit corresponds to the security requirements of units of the welding fume category W3 (highly alloyed steels). If you handle the unit correctly, you can use it in a recirculation mode because it fulfills the requirements of the exceptional rules according to the new German Hazardous Substances Ordinance (GefStoffV).

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

The specially developed dedusting system guarantees optimal separation efficiency during the whole operation. The advantage of the POWER SPRAY-SYSTEM is not only its low maintenance construction without rotating jets which are susceptible to wear, but also the low dedusting pressure and low consumption of compressed air.

The cleaned particles are collected in a freely accessible dust bin and can then be disposed of.

A baffle plate serves as protection device for the filter cartridges. The fumes and dusts are separated from the filter cartridges. They are coated ex works with a special filter agent. This increases their lifetime considerably compared to standard filter cartridges.

From a length of 5 m on, the suction arm/crane is equipped with an additional wall bracket.

Standard equipment

- Automatic filter monitoring
- Operating hours meter
- Fully automatic cleaning via POWER SPRAY-SYSTEM
- 2 durable filter cartridges (10 m² filter surface each)
- Dust collection bin
- Compressed air container
- Wall bracket
- Silencer

Technical Data

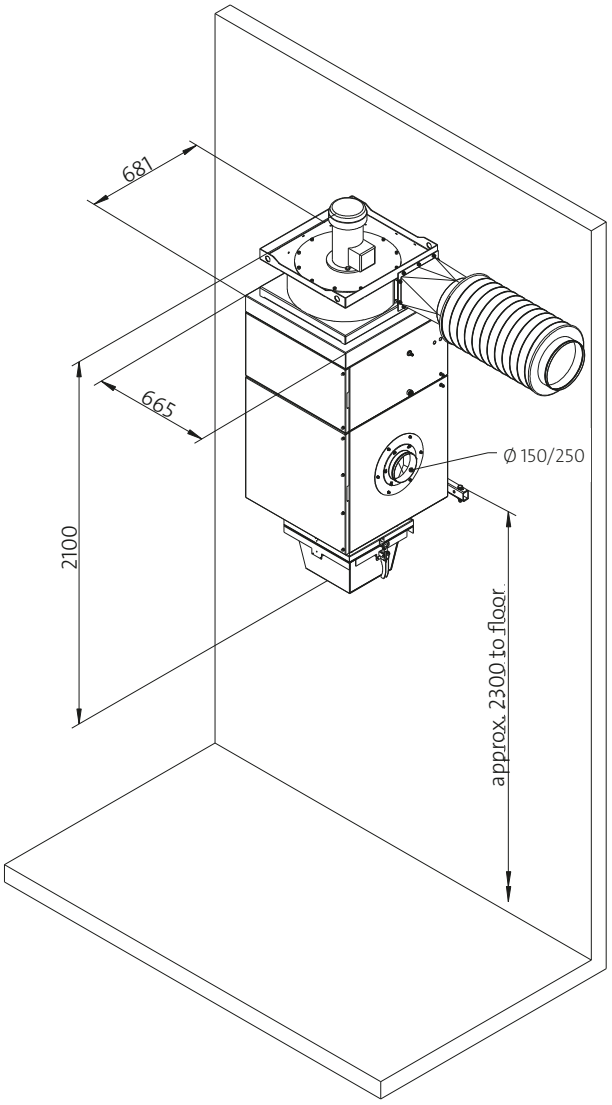
CartMaster-IFA Wall-mounted cartridge filter unit	
Max. volumetric flow of the fan	3500 m³/h
Max. pressure	3000 Pa
Motor performance	2,2 kW
Separation efficiency	≥ 99 %
Sound level	approx. 72 dB(A)
Dimensions (W×D×H)	665 × 681 × 2100 mm
Weight	approx. 200 kg

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- 2 suction nozzles ∅ 150 mm or
  1 suction nozzle ∅ 250 mm
- PE bag for the dust collecting tray

Available as an option (with IFA Certificate)

- Automatic start/stop system
- Lighting kit
- On/off switch via suction hood
- Protection grille for
  suction hood



suitable suction elements can be found on page 125

Available versions

CartMaster-IFA Wall-mounted cartridge filter unit, for up to 2 suction elements		RGA
Nozzle	*2x ∅ 150*	97530
	1x ∅ 250	97532

Subject to changes and errors. Illustrations may contain optional equipment.

Accessories for **CartMaster wall-mounted**

	1x suction arm, length 4m (additional extraction elements can be found on page 125)	Ø 150mm	97603	RGF
	Filter cartridge, filter area 10m² 327×600 mm, 10m², dust class M (Standard)		6160600110008	RGD
	Filter cartridge, type easy clean plus, 327 x 600 mm, 12,5 m²		6160600212508	RGD
	PE bags (pack of 10)		10030251	RGB
	NANNOX P50, 100 g (in bucket, per m² of filter surface 10g are required)		68130000100	RGB
	Standard exhaust hood incl. throttle	Ø 150	66200	RGB
	Metal exhaust hood incl. throttle	Ø 150	104901	RGB
	Protection grille for exhaust hood (not in conjunction with a lighting kit)		10372	RGB
	On/off switch via exhaust hood, preassembled	only on initial order	96313321	RGB

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	Lighting, preassembled (only on initial orde, not in conjunction with a protection grille)	for one arm	96323	RGB
		for two arms	96324	RGB
	Adapter for exhaust hood angular (only for plastic hoods)	300x360mm PVC, black	66210	RGF
	Adapter for exhaust hood round (only for plastic hoods)	only on initial order	66220	RGF
	Master-Slave-Control 400V / 16A	for one arm	150010016	RGB
	Master-Slave-Control 400V / 32A	for two arms	150010032	RGB
	Master-Slave-Control 230V / 16A	Automated control of the filter system by upstream devices	15001001602	RGB
	Master slave junction box	for controlling up to 3 master-slave controls simultaneously	15001001604	RGB

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