CareMaster Wall-mounted mechanical filter unit with 1 or 2 suction elements

Suitable for

Fume extraction involving unalloyed steels





CareMaster
(Art.-Nr. 97400101)



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(Art.-Nr. 97420101)

Description

A stable steel plate construction 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 sealing device guarantees an absolute impermeability and therefore the separation efficiency of the filter unit.

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.

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

Standard equipment

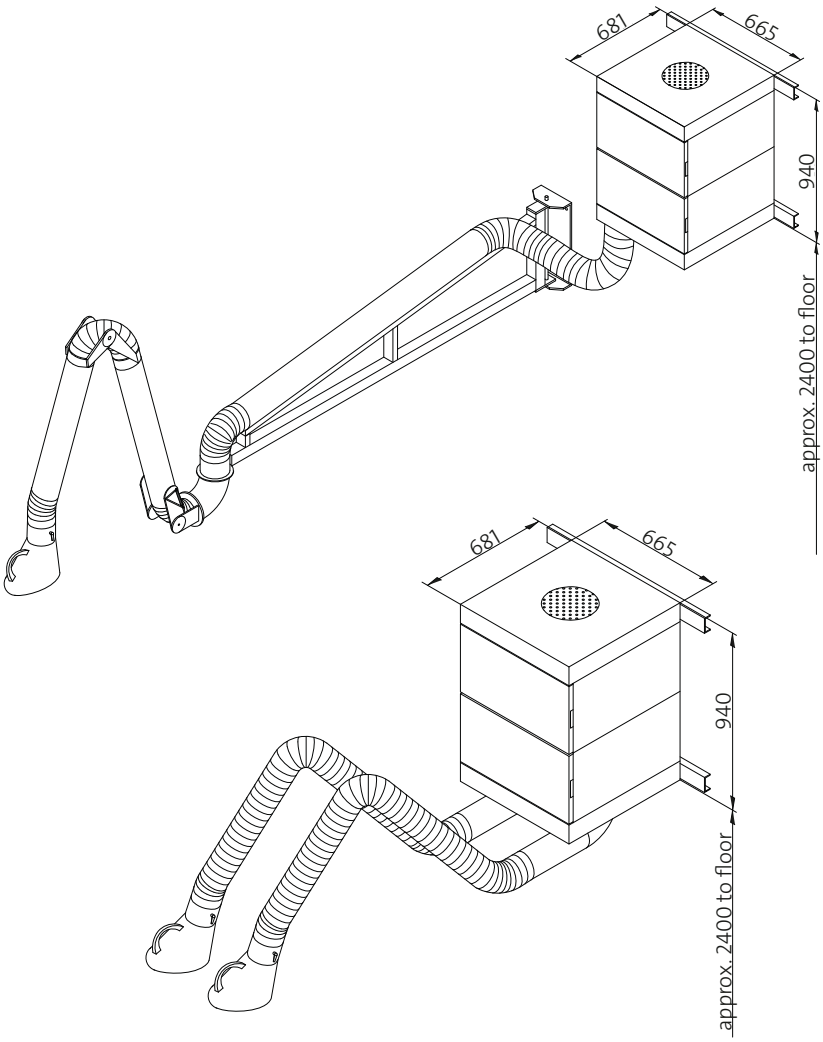
- Extensive pre-filter mat
- Particle filter with separation efficiency ≥ 99%
- Optical filter monitoring
- Sealing device
- Operating hours meter
- External control
- Wall mount
- 5 m connection cable
- 1 or 2 suction arm ∅ 150 mm with hood (synthetics) incl. throttle valve
  or
  nozzle ∅ 160 mm

Available as an option

- Aluminium mesh pre-filter
- Activated carbon filter cartridge
- Automatic start/stop system
- Lighting kit
- On/off switch via suction hood
- Exhaust air connection
- Protection grille for suction hood

Technical Data

CareMaster Wall-mounted mechanical filter unit	
Max. volumetric flow of the fan	1800–3500 m³/h
Max. pressure	2500 –3000 Pa
Motor performance	1,5 – 2,2 kW
Separation efficiency	≥ 99 %
Sound level	approx. 70 dB(A)
Dimensions (W×D×H)	665 × 681 × 940 mm
Weight	approx. 122 - 142 kg



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Example of application: CareMaster wall mounted with additional nozzle plate attached to the suction hood

Available versions

CareMaster Wall-mounted mechanical filter unit with 1 suction element — RGA

		Length					
		3 metres	*4 metres*	*5 metres*	*6 metres*	*7 metres*	*8 metres*
1 x Arm, hose type	*Internal joints*	97400101	97400102	97400103	97400104	97400105	97400106
with 3500 m³/h, 1,5 kW	*External joints*	97400111	97400112	97400113	97400114	97400115	97400116
Nozzle	*Ø 160*	97430 *with 3500 m³/h, 1,5 kW*					

CareMaster Wall-mounted mechanical filter unit with 2 suction elements — RGA

		Length					
		3 metres	*4 metres*	*5 metres*	*6 metres*	*7 metres*	*8 metres*
2 x Arm, hose type	*Internal joints*	97420101	97420102	97420103	97420104	97420105	97420106
with 3500 m³/h, 2,2 kW	*External joints*	97420111	97420112	97420113	97420114	97420115	97420116
Nozzle	*2 × Ø 160*	97440					
	1 × Ø 250	97443					

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

Accessories for **CareMaster wall-mounted**

	Pre-filter mats 10 pieces per set	610x610x20 mm	10032	RGE
	Particle filter F9 (Standard)	610x610x292 mm	10029	RGE
	Particle filter H13 (Optionally usable instead of particle filter F9)	610x610x292 mm	10030	RGE
	Particle filter H13	610x610x186 mm (when used with activated carbon cassette, Art.-No. 97053)	100357	RGE
	Activated carbon filterin replaceable housing	610x610x100 mm (only in conjunction with particle filter H13, Art.-No. 100357)	97053	RGE
	Aluminium wire mesh filter	610x610x15 mm	100008	RGB
	Protection grille for exhaust hood		10372	RGB
	Standard exhaust hood incl. throttle	⌀ 150	66200	RGB

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	Metal exhaust hood incl. throttle	NW 150	104901	RGB
	On/off switch via exhaust hood, preassembled	only on initial order	96313321	RGB
	Lighting, preassembled (only on initial order)	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)	400mm PVC, black	66220	RGF
	Master-Slave-Control 400V / 16A	automatic powering of a filter unit by connected devices	150010016	RGB
	Master-Slave-Control 400V / 32A	automatic powering of a filter unit by connected devices	150010032	RGB
	Master-Slave-Control 230V / 16A	automatic powering of a filter unit by connected devices	15001001602	RGB
	Master slave junction box	for the control of up to 3 master-slave controllers simultaneously	15001001604	RGB

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