

Welding Fume Filters

Modular Welding Fume Extraction System *DUSTMAC F*



DUSTMAC F

Application Range

- » Central systems with multiple extraction locations
- » Large extraction hoods or cells, e.g. robotic welding stations
- » All types of steel



Test certificates (optional)



W3



Special Versions

- » IFA-Test Certificate W3 for high-alloy metals
- » **NEW** Pipe pre-separator
- » **Control cabinet series**
Basic / Comfort / Special versions
- » Custom paint finish



Central welding fume extraction system DUSTMAC F in the chemical industry

ESTAPLUS

Special Features

- » Pulse-jet filter cleaning system
- » Cleanable long life cartridge filters (Dust classification M)

Your Benefits

- » High performance welding fume extraction from multiple locations, from welding cells or from large extraction hoods
- » Customer specific design of the system
- » Modular for future expansion
- » Low operating costs with cleanable long life filter cartridges

Data dependent on equipment type

Technical Data

| DUSTMAC | | F-42 | F-84 | F-84 | F-126 | F-189 |
|-----------------------------|-------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Max. Airflow | m ³ /h | 3.500 | 7.800 | 9.700 | 10.300 | 14.000 |
| Intake/outlet diameter | mm | 224/300 | 280/400 | 315/450 | 355/500 | 450/560 |
| Max. negative pressure | Pa | 2.600 | 3.800 | 3.800 | 4.400 | 4.800 |
| Voltage | V | 400 | 400 | 400 | 400 | 400 |
| Motor | kW | 3.0 | 5.5 | 7.5 | 11.0 | 15.0 |
| Filter surface | m ² | 42 | 84 | 84 | 126 | 189 |
| Filter elements | Pieces | 2 | 4 | 4 | 6 | 9 |
| Dust collection container l | | 50 | 50 | 50 | 50 | 50 |
| Dimensions (L/W/H) | mm | 1.300 × 1.039 × 3.250 | 1.400 × 1.350 × 3.410 | 1.400 × 1.350 × 3.410 | 1.820 × 1.450 × 3.860 | 1.850 × 1.900 × 3.910 |
| Weight | kg | 440 | 540 | 540 | 740 | 880 |
| Order Number | | 663.042 | 663.084 | 663.085 | 663.126 | 663.189 |

Accessories & Attachments

ESTA PLUS

Your Benefits

- » Designed for the ESTA product range
- » Can accommodate most customer requirements
- » High quality and durability

| Product Description | Order-No. | SRF K-10 | SRF K-15 | SRF T-2 | SRF T-4 | SRF SK-2.2 | SRF SK-5.5 | SRF SK-7.5 | SRF SK-13.0 | KAF-70 | KAF-100T | MOBEX F | WELDEX F-50 to F-150 | WELDEX FE | DUSTMAC F | |
|---|------------|----------|----------|---------|---------|------------|------------|------------|-------------|--------|----------|---------|----------------------|-----------|-----------|---|
| Extraction Arms | | | | | | | | | | | | | | | | |
|  Extraction arm with square hood design, Ø 140 mm, length 2.0 m | 14.204 | • | • | | | | | | | | | | | | | |
|  Extraction arm with square hood design, Ø 140 mm, length 3.0 m | 14.304 | • | • | | | | | | | | | | | | | |
|  Extraction arm with specialized square hood (600 x 600 mm), Ø 140 mm, length 2.0 m | 14.203 | • | • | | | | | | | | | | | | | |
|  Extraction arm with specialized square hood (600 x 600 mm), Ø 140 mm, length 3.0 m | 14.303 | • | • | | | | | | | | | | | | | |
| Pipe pre-separator | | | | | | | | | | | | | | | | |
| RVA 250 2.800 to 3.500 m³/h | 98250 | | | | | | | | | | | | • | • | • | • |
| RVA 355 5.500 to 7.000 m³/h | 98355 | | | | | | | | | | | | • | • | • | • |
| RVA 450 9.200 to 11.200 m³/h | 98450 | | | | | | | | | | | | • | • | • | • |
| RVA 560 13.500 to 17.100 m³/h | 98560 | | | | | | | | | | | | • | • | • | • |
| Hoods/Nozzles | | | | | | | | | | | | | | | | |
|  Plastic moulded hood square design, Ø 140 mm | 030.00.201 | • | • | | | | | | | | | | | | | |
|  Specialized square hood made of metal, square design (600 x 600 mm), Ø 140 mm | 94.222 | • | • | | | | | | | | | | | | | |
|  Funnel shaped nozzle flexible, with magnetic mounting foot | 94.740 | | | • | • | • | • | • | • | | | | | | | |
|  Slotted nozzle 200 mm wide, with magnetic mounting foot | 94.741 | | | • | • | • | • | • | • | | | | | | | |
|  Laboratory extraction arm 50 D overall ext. 900 mm, with angled extraction Opening | 50.080 | | | | | | | | | • | • | | | | | |

Dust Extractors

High Vacuum
Extraction Units

Welding Fume
Filters

Oil Mist
Separators

Carbon Filter

Downdraft
Tables

Extraction Fans

Extraction Arms


Filter Towers

Central Extraction
Systems

Pipe Systems

Welding Fume Filters

Accessories & Attachments

| | Product Description | Order-No. | SRF K-10 | SRF K-15 | SRF T-2 | SRF T-4 | SRF SK-2.2 | SRF SK-5.5 | SRF SK-7.5 | SRF SK-13.0 | KAF-70 | KAF-100 |
|---|--|--------------------------|----------|----------|---------|---------|------------|------------|------------|-------------|--------|---------|
| | Miscellaneous | | | | | | | | | | | |
|  | Lighting kit installed in the extraction hood | 15.430 | • | • | | | | | | | | |
|  | Optical sensor installed in the extraction hood, for auto-start of the welding fume filter unit | 702.68.127 702.69.127 | • | • | | | | | | | | |
|  | On/off switch integrated in the extraction hood | 702.68.128 702.69.128 | • | • | | | | | | | | |
|  | Extraction hose length 5.0m, including connector cuff | 45.500 | | | • | • | • | • | • | • | | |
|  | Extraction hose sold by the meter | 45.501 | | | • | • | • | • | • | • | | |
|  | Wall mount bracket for wall mounting of the welding fume filter | 604.00.001 | • | • | | | | | | | | |
|  | Activated carbon filter additional filter to eliminate odours | 702.68.129 702.69.129 | • | • | | | | | | | | |
|  | Extraction air outlet for extracting the filtered air outside, Ø 180 mm for extracting the filtered air outside, Ø 280 mm | 702.68.111 702.69.111 | • | • | | | | | | | | |