

Modular Welding Fume Filtration Systems *WELDEX F-50 to F-150*



WELDEX F-150
(Image with sound insulation hood)

Application Range

- » Central systems with multiple extraction locations
- » Large extraction hoods or cells, e.g. robotic welding stations
- » Extraction in multilayer or continuous operation

Special Versions

- » Custom paint finish
- » Custom designed performance
- » **NEW** Pipe pre-separator
- » Various filter materials
- » Extinguishing system
- » Available in a W3-tested version for extracting welding fumes from high-alloy steel



Test certificates (optional)

W3



Gefahrstoffgeprüft
Schweißrauch
abscheideklasse W3



Several WELDEX F-100 filter modules for a central extraction system. Extinguishing system as an optional accessory

ESTA PLUS

Special Features

- » Pulse-jet filter cleaning system
- » Integrated impact separator
- » 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
- » Modular for future expansion
- » Low operating costs with cleanable long life filter cartridges
- » Compact design, minimal space requirement

Technical Data

WELDEX		F-50	F-100	F-150
Max. Airflow	m ³ /h	5.000	10.000	15.000
Intake/outlet diameter	mm	300/315	355/400	500/710
Max. negative pressure	Pa	2.700	3.300	4.500
Voltage	V	400	400	400
Motor	kW	5.5	11.0	15.0
Filter surface	m ²	50.0	100.0	150.0
Filter elements	Pieces	2	4	4
Dust collection container	l	60	60	60
Dimensions (L/W/H)	mm	1.600 × 1.000 × 3.130	1.600 × 1.000 × 3.320	1.600 × 1.000 × 3.320
Weight	kg	655	725	755
Sound emission	dB(A)	80	80	80
Order Number				
Standard (without control cabinet)		665.050	665.100	665.150
Komfort (with motor control)		665.051	665.101	665.151

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

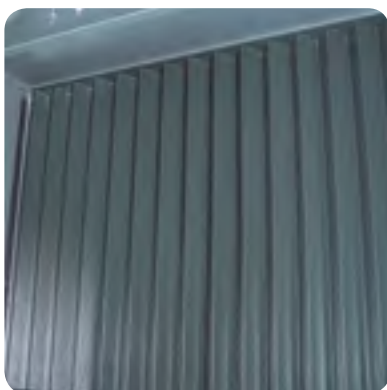


The separated contaminants are effortlessly removed through the dust collection drawer. An optionally inserted collection bag makes for dust-free disposal.



The premium dust class "M" filter cartridges are specially designed for separating welding particles.

ESTA Fire protection element



The integrated ESTA impact separator is a part of the comprehensive ESTA fire protection concept that takes protective measures throughout the entire welding process for greater safety in your production facilities. In collaboration with universities and fire protection experts, this design was developed to reduce fire risks significantly during the welding and separation process.

Ask us! We'll be happy to advise you on the right protection measures.

The newly designed impact separator separates coarse particles and sparks that may be sucked in, from fine dust particles, and keeps them from contacting the filter cartridges. This greatly reduces the risk of filter fires that can always happen when extracting during welding, thermal separation, etc.

Modular Welding Fume Filter Unit *WELDEX FE*



ESTA WELDEX FE-300
Two filter modules FE-150 with separately placed fans.

Application Range

- » Modular construction of a welding fume central extraction system
- » WELDEX FE filter units for connection to a fan and pipe system for multiple extraction points
- » Extraction in cutting installations, welding fume booths, etc.



Test certificates (optional)



A sample representation of an ESTA WELDEX FE-600 system consisting of 4 filter modules FE-150 and a ventilator

Special Versions

- » Available in a W3-tested version for high-alloy steels
- » **NEW** Pipe pre-separator
- » Control cabinet series Basic / Comfort / Special versions
- » Custom paint finish
- » Custom designed performance
- » Sound and/or weather-insulated housing
- » Filter units for outdoor installation

Special Feature

- » Component design for customer or application specific extraction systems

Your Benefits

- » Modular filter units for a wide range of air volumes
- » Powerful welding fume extraction at multiple locations, from booths or wide hoods
- » Modular for future expansion
- » Low operating costs with cleanable long life filter cartridges
- » Compact design, minimal space requirement



Attachment for welding fume extraction in three production halls at a car manufacturer. Several WELDEX FE cyclone filters, pre-separators and fans

Technical Data

Filtration unit WELDEX		FE-50	FE-100	FE-150
Filter surface	m ²	50	100	150
Filter elements	Pieces	2	4	4
Dust collection container	l	60	60	60
Dimensions (L/W/H)	ca. mm	1.600 × 1.000 × 2.460	1.600 × 1.000 × 2.460	1.600 × 1.000 × 2.460
Weight	ca. kg	480	540	540
Order Number		666.050	666.100	666.150