

## ESTA Welding Fume Filtration Systems: The new WELDEX F Series

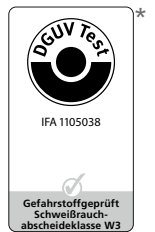


Image: sound insulation hood in special model

The new WELDEX-generation reveals itself technically advanced and with a new design. Airflow technological improvements and more efficient filter technology play a significant role in the optimized functionality and performance of the WELDEX series.

An impact separator integrated into the filter housing assures uniform flow of filter elements. This new development reliably separates sparks and coarse particles ahead of time. That significantly reduces the risk of filter fires. The filter cartridges are cleaned automatically using compressed air blasts (jet pulse system) through programmable controls. For easy disposal of the vacuumed particles, the new Weldex line is equipped with a two-part dust collection drawer (with an optional dust collection bag for dust-free removal).

The WELDEX series is recommended for smoke and fume extraction from welding, plasma and laser cutting tables and through connected pipe systems from multiple extraction locations. These ESTA units can also easily be integrated with room ventilation systems for entire production areas and complete manufacturing facilities. The modular design gives customers a wide choice of standard devices that can be combined in many ways to cover a broad spectrum of applications.



### ESTA PLUS

#### Application Range:

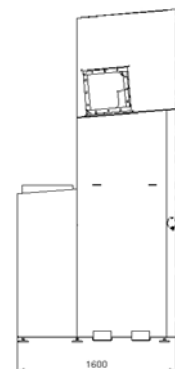
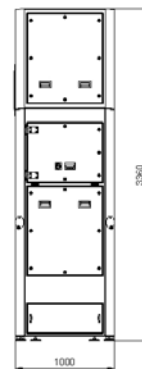
- For connection to welding, plasma and laser cutting tables as well as pipe systems
- Welding smoke extraction during metal welding processes
- Welding fume filter system for workplace ventilation

#### Special Features:

- Cleanable long-life filter cartridge of dust classification M
- Integrated impact separator
- Available as a complete system or as a filtration module without extraction fan
- Newly designed control unit
- Optional in W3-approved versions available – for use in welding high-alloy steels

#### Your Benefits:

- Low operating costs through cleanable long-life cartridge filters
- Compact design requiring less floor space
- Low operating noise
- Convenient and clean emptying of the dust drawer
- Safer from filter fires



#### Technical Data

WELDEX		F-50	F-100	F-150
Max. airflow	m <sup>3</sup> /h	5.000	10.000	15.000
Intake/Exhaust diameter	mm	300/315	355/400	500/710
Max. negative pressure	Pa	2.700	3.300	4.500
Supply voltage	V	400	400	400
Motor	kW	5,5	11,0	15,0
Filter surface	m <sup>2</sup>	50	100	150
Filter elements	pcs	2	4	4
Collection container	l	60	60	60
Dimensions (L/W/H)	mm	1.600 x 1.000 x 3.130	1.600 x 1.000 x 3.320	1.600 x 1.000 x 3.320
Weight	kg	655	725	7555
Sound level	dB(A)	80	80	80
Order Number				
Standard		665.050	665.100	665.150
Comfort		665.051	665.101	665.151

\*optional



WELDEX FE filter unit

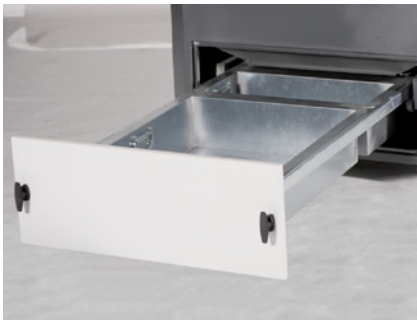
### Modular system

Thanks to its modularity, the Weldex F series can even be used in more complex system designs.

The filter units (Weldex FE) can be combined modularly, to assemble filter systems for any required air mass. A pipeline system connects the individual modules along with an appropriately sized fan.



Modular construction: Two WELDEX FE filter units with external fan and pipe system.



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.



The controls on the front side of the system show important values, such as air mass, vacuum, filter cleaning, etc. The control panel can be supplied in several languages.



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