ESTA Welding Fume Filtring System
WELDEX F Series

The new WELDEX-generation reveals itself technically advanced and with a new design. Airflow technological improvements and morovements 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 comprcompressed air blasts (jet pulse system) through programmable controls. For easy disposal of the vacuumed particles, the new Weldex line is equipped with with a a two-part 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.

ESTAPLUS

Applications

» 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

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

DGUV Test
IFA 1405011
Gefahrstoffgeprüft
Schweißrauch-
abscheideklasse W3

Technical Data

WELDEX		F-50	F-100	F-150
Max. Airflow	m³/h	5.000	10.000	15.000
Intake-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	m²	50	100	150
Filter elements	pcs	2	4	4
Collectioin 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		**665.050**	**665.100**	**665.150**
Comfort		**665.051**	**665.101**	**665.151**

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Modular system

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

ESTA Extraction Technology

For over 45 years ESTA extraction technology has offered solutions for a multitude of industries and trades. From stand-alone units for the most diverse applications to complex extraction systems – we consistently ensure a clean working environment. ESTA equipment not only protects your high-tech machinery investments but also creates the prerequisites for highly efficient and quality oriented work results.

Contact us and request our complete catalogue free of charge.

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