

# Electrostatic Filters

Electrostatic filters of ESP-3000 series are designed for filtration and cleaning of aerosols of dry and solid substances, welding fumes of low concentration and fine non-metallic dusts with particle sizes down to 0,05 microns. ESP-3000 filters are equipped with alarm system that controls the condition of filter elements. ESP-3000 units are supposed to be used with one or two standard extraction arms, which are ordered separately. In addition to long-life electrostatic filtration system, ESP-3000 can be equipped with additional carbon filter cartridge to absorb gaseous substances and odors. ESP-3000 units are suitable for continuous indoor operation under the following environmental conditions: ambient temperature from +10 to +45°C and relative humidity of 80% at 25°C.



## Processes and applications:

Welding processes

## Features:

Built-in alarm system

Low lifetime costs

Wall-hanging, less space needed

Washable filtration cells (option)

Compatible with all standard extraction arms



## Restrictions:

Not suitable for extraction of any type of metallic dust

Not suitable for continuous operation and for high-intensity applications

Article N°	Model	Compatible fan model*	Intake chamber	Airflow, m <sup>3</sup> /h	Filtration surface, m <sup>2</sup>	Separation efficiency, %	Weight, kg
27042	ESP-3000-3C-2.6	VMA/VMK-3000	spIS-3000 (2x250 mm side connections)	1600-2400	16.4	>92	~90
27044	ESP-3000-3C-4.6	VMA/VMK-4700					
27046	ESP-3000-3C-8.5	VMA/VMK-6000					
27048	ESP-3000-4C-2.6	VMA/VMK-3000	spIS-3200 (2x160 mm bottom connections)				
27050	ESP-3000-4C-4.6	VMA/VMK-4700					
27052	ESP-3000-4C-8.5	VMA/VMK-6000					
27060	ESP-3000-10C-2.6	VMA/VMK-3000	sSTOS-3000 (small, 250 mm bottom connection)				
27062	ESP-3000-10C-4.6	VMA/VMK-4700					
27064	ESP-3000-10C-8.5	VMA/VMK-6000					

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