

# LOCAL AIR FILTRATION SYSTEMS FOR WELDING FUMED “FILTAIR-WELD-L” SERIES

**FILTAIR-WELD-L series local air filtration systems for welding fumes** is a localised exhaust filtration system designed to prevent the accumulation of welding fumes and aerosols in the premises where welding work is performed.

The system significantly increases the working space that is serviced by the extraction device, which allows removing pollution emitted in stationary or mobile workplaces, it also allows working in a closed space (under the equipment) and with high equipment blocks.

The FILTAIR-WELD-L systems consists of:

- a cantilever rotating mechanism 4.2 m or 6 m
- a flexible extraction arm 3 m or 4 m
- a set of connecting ventilation ducts
- a fan
- a control panel

The cantilever rotating mechanism consists of a cantilever beam with a mounting plate. On the free end of the beam there is an extraction device is mounted with a ball bearing connection. The extraction arm rotates 360° and can be easily locked into any position. It is extremely flexible and enables the maximum working zone. All extraction arm models can be fitted with illuminating halogen lamp, which is positioned in the air intake funnel.



Basic set	FILTAIR-WELD-L-4,2	FILTAIR-WELD-L-6
Length of the cantilever rotating mechanism	4.2 m	6 m
Weight of the cantilever rotating mechanism	73	93
Length of the flexible extraction arm	3 or 4 m	
Extraction arm material	Polyester fabric coated PVC	
Air ducts diameter	160 mm	160 mm
Air ducts material	Galvanised steel Aluminium foil coated PVC tube	
Recommended airflow	Max. 2000 m <sup>3</sup> /hr	Max. 2000 m <sup>3</sup> /hr
Recommended maximum negative pressure	3000 Pa	3000 Pa
Maximum load of the outer sleeve	100 kg	60 kg
Recommended mounting height from the floor level	2.7-3 m	2.7-3 m
Fan	Medium pressure, 1-3 phase, 220 V	