SFD

STATIONARY WELDING FUME FILTER

The SFD is a wall-mounted filter unit that provides filtration for use with one (FAN-28 or FAN-42) or two (FAN-28) fans and extraction arms.

The SFD features an aluminum spark arrester and a square disposable cellulose filter cartridge. This filter cartridge is provided with a precoat to extend the lifespan and the efficiency of the filter. A filter pollution indicator indicates when filter replacement is required. The SFD requires no electricity.



APPLICATIONS

The SFD is intended to be used for the followi	ng
applications:	

- MIG-MAG/GMAW welding
- (annual use: <700 kg/1500 lbs)
- TIG welding
- FCAW welding (annual use: <700 kg/1500 lbs)
- stick/MMAW welding (annual use: <500 kg/1100 lbs)

Do **not** use the SFD for the following applications or in the following circumstances:

- arc-air gouging
- aluminium laser cutting
- oil mist

product data sheet

- heavy oil mist in welding fume
- extraction of aggressive fumes and gases (e.g. from acids, from alkaline, from soldering paste containing lithium)
- extraction of hot gases (more than 45°C/113°F continuously)
- grinding aluminum and magnesium
- flame spraying
- extraction of cement, saw dust, wood dust etc.
- sucking cigarettes, cigars, oiled tissues and other burning particles, objects and acids
- explosive environments or explosive substances/gases

SPECIFICATIONS

Physical dimensions and propertiesMaterialpolypropyleneColour:• yellow RAL 1028• Filter cover• yellow RAL 1028• Bottom housing• grey RAL 7024Weight (net)30 kg (66 lbs)

FILTERS

Material: • Pre filter • DuraFilter FCC-50	 aluminium phenol impregnated cellulose + polyurethane + cardboard
Filter surface area: • Pre filter • DuraFilter FCC-50	 0,5 m² (5.38 ft²) 50 m² (538 ft²)
Treatment	SurfacePlus precoat on DuraFilter FCC-50

Efficiency: • Pre filter $*80\% < 90\%$ • DuraFilter FCC-50• >99%Filter class: • Pre filter • DuraFilter FCC-50• G3 according to DIN EN 779 • M according to NEN EN IEC 60335-2-69 ■ Performance • 1250 m³/h (735 CFM) • 1 arm • 1250 m³/h (735 CFM) • 1700 m³/h (1000 CFM) ■ Ambient conditions • 1250 c (41°F) • nom. • 20°C (68°F) • max.Operating temperature: • min. • 120°C (68°F) • relative humidity 80%Outdoor use allowed noStorage conditionsFAN-28/42 Product combinations FAN-28/42extraction fan T-Flex, Flex-2, (Ultra)Flex-3/4, UltraFlex-4/LowCeiling Filter unit - Mounting plate ■ Order information Article number 7435000000 Number/package 1Article numberArticle numberBipping dataGros		
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Harmonized Tariff Code 8421.39.2090		,
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Country of origin Netherlands	Harmonized Tariff Code	
	Country of origin	Netherlands

FEATURES



DIMENSIONS



PRESSURE DROP



1 = Clogged filter

2 = Clean filter

MOUNTING MEASUREMENTS



	mm	inch	remarks
А	520	20.5	
В	min. 700	min. 27.5	to exchange filter
С	3425	134.8	
D	2745	108.1	height mounting bracket SFD

SFD + 2x (Ultra)Flex-4

Product type
Article no.
Product category
Version

SFD 7435000000 Stationary welding fume filters

Always check the latest version on www.plymovent.com