

# Filter Unit FU-A

## Effex

### High vacuum



#### DESCRIPTION

- Filtration of fumes and dust from cutting, welding and other manufacturing processes.
- The FU-A stationary filter unit is designed to provide efficient capture of pollutants from processes with high emission levels. The combination of high efficiency cartridge filters and automatic cleaning facility will ensure that airflow rates through the unit are maintained at optimum levels at all times.
- The design of the FU-A allows maximum airflow to be maintained even during cleaning cycles.
- The primary components that make up the FU-A include spun-bonded polyester filter cartridge(s), a compressed air tank, solenoid control valve(s), vacuum pressure gauges and an adjustable timer control for the cleaning system.
- To ensure that the correct volume and quality of compressed air is used for the cleaning system, the FU-A is equipped with a combined pressure control valve and integrated moisture trap.



#### APPLICATIONS

When combined with Reglo's High vacuum SP-Turbines and accessory range, the FU-A filter unit is capable of providing a complete, environmentally friendly cleaning system for the whole workshop. FU-A filter units can also be installed in medium vacuum systems for efficient removal of fumes from welding and cutting tables.

#### FEATURES

**Automatic filter cleaning:** The adjustable electronic timer controls the frequency of the cleaning cycles to suit the application (i.e. heavy contamination load = more frequent cleaning). Correctly set cleaning intervals ensure that optimum extraction rates are maintained at all times.

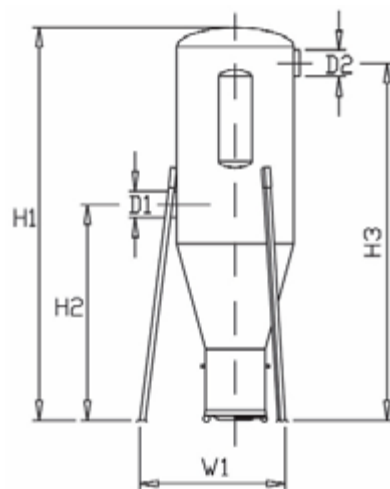
**High efficiency filtration:** The materials carried in the extracted air are collected in two stages upon entering the FU-A unit. The first stage separates heavy particles directly into the collection unit, while the second stage, incorporating the high efficiency filter cartridges, removes >99,9% (ZH1/487-2) of all remaining fine particles.

**Operator safety:** The large capacity collection bin at the base of the FU-A unit includes a disposable bag with snap-lock lid. In this way the maintenance operators are protected from the collected pollutants.

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Feature		FU-20A	FU-40A	FU-60A	FU-80A
Art. no.		750675	750672	750685	750686
<b>Filterunit</b>					
Air flow	m <sup>3</sup> /h	1500	3000	4500	6000
Filter area	m <sup>2</sup>	20	40	60	80
Utilization category	BIA	M (C)	M (C)	M (C)	M (C)
Efficiency ( ZH 1/487- 2)	%	>99,9	>99,9	>99,9	>99,9
Efficiency 1µ	%	>99	>99	>99	>99
<b>Filter Cleaning</b>					
Air supply	bar	4.0	4.0	4.0	4.0
Air consumption	NI/min	63	63	63	63
Tank volume	liter	40	40	40	40
Connection	G	3/4"	3/4"	3/4"	3/4"
Voltage	V	220	220	220	220
Frequency	Hz	50	50	50	50
Protection class	IP	55	55	55	55
Cleaning noise level (1m)	dB (A)	77	77	77	77
<b>Construction Data</b>					
Height H1	mm	2620	2975	2975	2975
Height H2	mm	1160	1650	1650	1650
Height H3	mm	2380	2730	2730	2730
Width B1	mm	1095	1400	1400	1400
Inlet D1	mm	Ø 200	Ø 250	Ø 250	Ø 250
Outlet D2	mm	Ø 200	Ø 250	Ø 250	Ø 250
Bin capacity	liter	45	45	45	45
Weight	kg	175	280	320	360
Colour	RAL	Grey 7047	Grey 7047	Grey 7047	Grey 7047



### OPTIONAL FILTER UNITS

FU-S: The optional FU-S stainer has the same features as the FU-A unit apart from the filter and cleaning specifications. The filter cleaning system and cartridges are replaced with a strainer shield that separates heavy particles. The FU-S is designed for applications that need less filtration. Filter cartridges and cleaning systems can be fitted retrospectively.

Type	Airflow m <sup>3</sup> /t	Art. no.
FU-20S	1500	<b>750677</b>
FU-40/80S	6000	<b>750681</b>

FU-EX FU-A units fitted with explosion relief systems are available for installations where dust explosions can occur. All the remaining technical details are identical to the equivalent FU-A unit. Contact Reglo for details.

### OPTIONS AND ACCESSORIES

#### Plastic bag PB- 45

Biodegradable plastic bag for insertion into the dust collector. The bag incorporates a lockable lid which isolates the operator from the pollutant and simplifies disposal.

Capacity: 25 Kg  
Package: 10 bags  
Art. no.: **750692**



#### Start valve SS-200/SS-250

Pneumatically operated on/off valve for isolation of filter unit from ducting during cleaning cycles and energy saving during start-up.

Air supply: 4 bar  
Voltage: 50 Hz 110/220V  
Art. no. : **750471 (SS-200)**  
Art. no. : **750693 (SS-250)**



#### Automatic timer FU-1AT / FU-2/4AT

Timer for filter models

FU-1AT	Timer for FU-20A	<b>751488</b>
FU-8AT	Timer for FU-40/60/80A	<b>751833</b>

We reserve the right to make changes.

