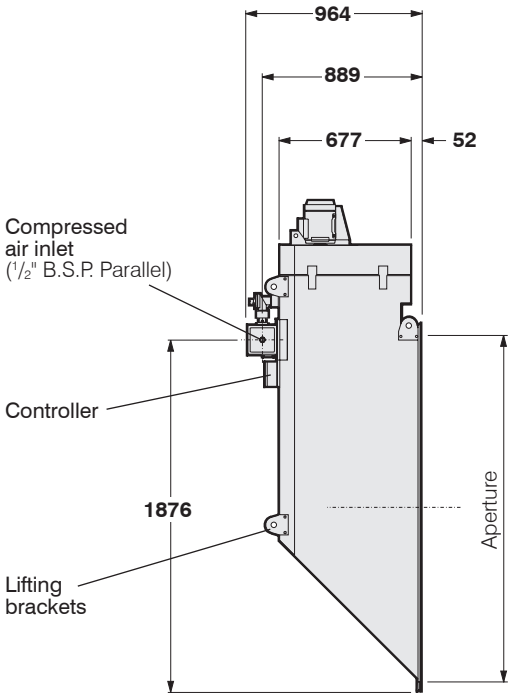
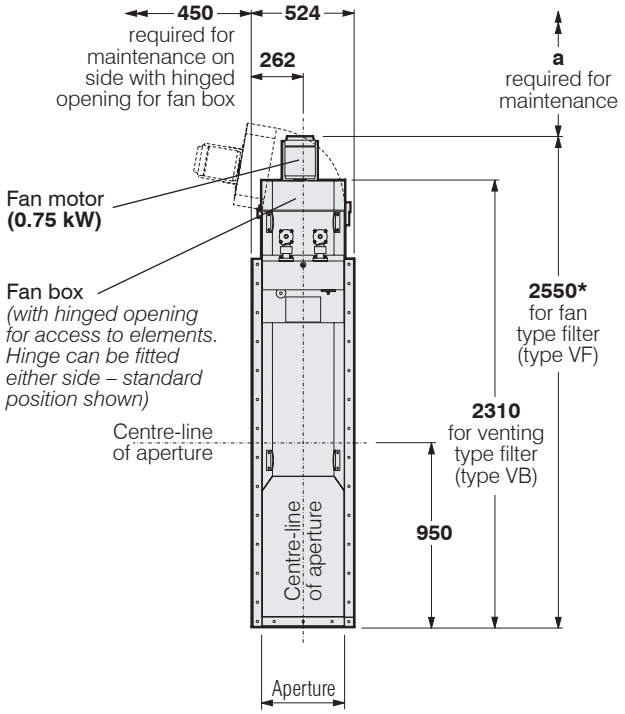
Spotair Dust Filters

Series SA-F and SA-C



SIDE ELEVATION



FRONT ELEVATION

Spotair filter for vertical mounting

*This dimension is approximate and is dependent on make of motor

SPECIFICATIONS

Filter type	Filtration area	No. of elements	DIMENSION a	Approx. net weight
Fabric media:				
SA-F20VF **SA-F20VB**	2.0 m²	2	760 mm	180 kg 159 kg
SA-F40VF **SA-F40VB**	4.0 m²	4	760 mm	199 kg 178 kg
Spun-bonded polyester media:				
SA-C100VF **SA-C100VB**	10.0 m²	2	625 mm	173 kg 152 kg

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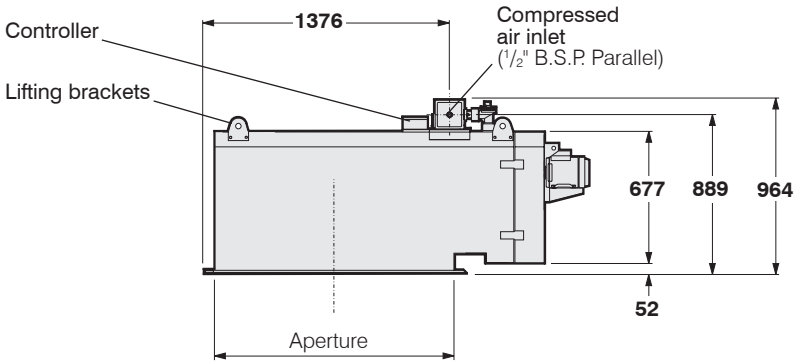
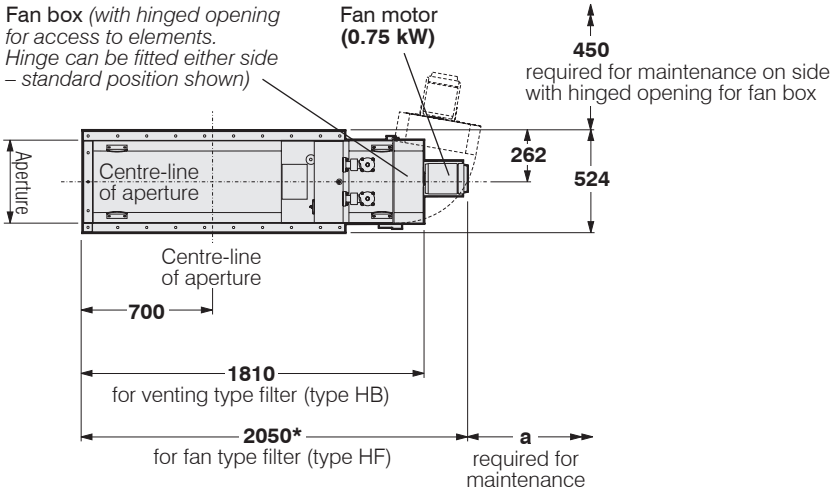


SIDE ELEVATION



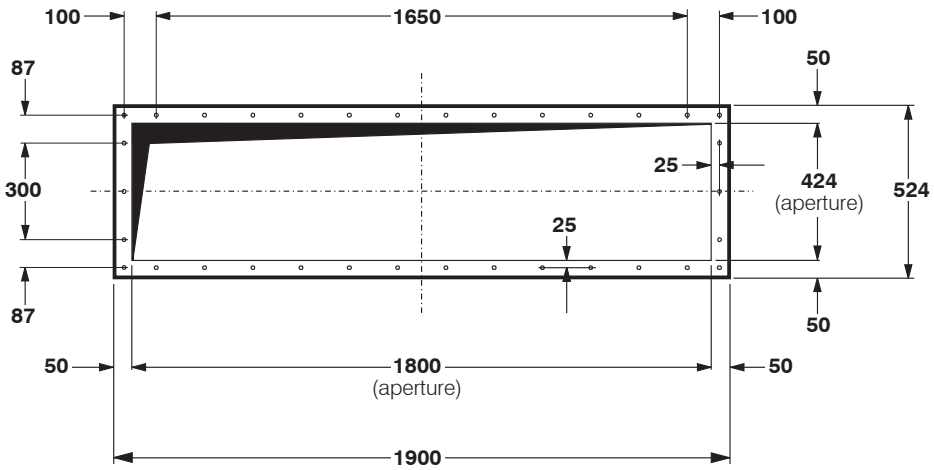
PLAN ELEVATION

Spotair filter for horizontal mounting

*This dimension is approximate and is dependent on make of motor

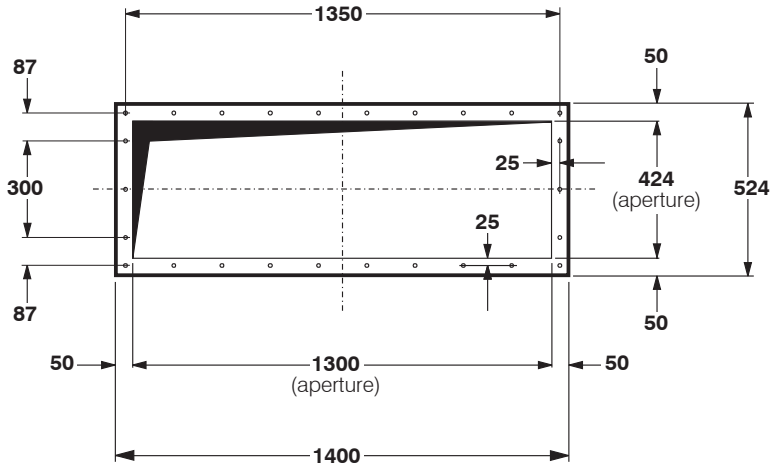
SPECIFICATIONS

Filter type	Filtration area	No. of elements	DIMENSION a	Approx. net weight
Fabric media:				
SA-F20HF **SA-F20HB**	2.0 m²	2	760 mm	174 kg 153 kg
SA-F25HF **SA-F25HB**	2.5 m²	2	1010 mm	176 kg 155 kg
SA-F40HF **SA-F40HB**	4.0 m²	4	760 mm	193 kg 172 kg
SA-F50HF **SA-F50HB**	5.0 m²	4	1010 mm	196 kg 175 kg
Spun-bonded polyester media:				
SA-C100HF **SA-C100HB**	10.0 m²	2	625 mm	167 kg 146 kg



Aperture and mounting flange details for vertical mounting filters

All holes ∅12 mm for M10 bolts. Pitch centres: 150 mm, except where shown.



Aperture and mounting flange details for horizontal mounting filters

All holes ∅12 mm for M10 bolts. Pitch centres: 150 mm, except where shown.

COMPRESSED AIR REQUIREMENTS

Filter type	Working compressed air pressure[a]		Atmospheric air volume—F.A.D.[b] at 25 s intervals[c]		Pulse duration
SA-F20 and SA-F25	3.8 bar	55 psig	2.6 m^3/h	1.5 cfm	200 ms
SA-F40 and SA-F50	3.8 bar	55 psig	3.1 m^3/h	1.8 cfm	200 ms
SA-C100	3.8 bar	55 psig	2.5 m^3/h	1.4 cfm	200 ms

[a]Normal operating pressure. [b]Recommended atmospheric air volume of clean, dry compressed air.
[c]Recommended initial settings; these may be varied with experience.
For connection details please refer to Donaldson.

DESIGN LIMITS (standard equipment)

Temperature range: –10° to +60°C

Pressure range: –200 mm W.G. to +200 mm W.G.

Dimension tolerances: ±5 mm on main dimensions ±2 mm on detail dimensions

ELECTRICAL REQUIREMENTS

Controller: 2-way controller

Voltage input: AC version: 105-120V, 200-240V ±10% DC version: 24V

Fan motor (if fitted): To suit local voltage

NOISE LEVELS

Machinery noise levels are an important consideration in the design and selection of new equipment. Several EC Directives and National Laws/Regulations adopting these directives make reference to airborne noise emissions. Actions that employers are required to comply with if employees are subjected to a daily personal noise exposure Lep,d of 80 dB(A) or more are also specified.

Spotair filters have an average reading of 78 dB(A).

All readings were taken in normal industrial areas, i.e. semi-reverberant surroundings, with local equipment silent, at 1.0 metre radius from the equipment housing and at motor shaft height, using a precision sound level meter and octave filter.

Noise levels of installed equipment may vary due to site conditions.

Donaldson FILTRATION SOLUTIONS

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