



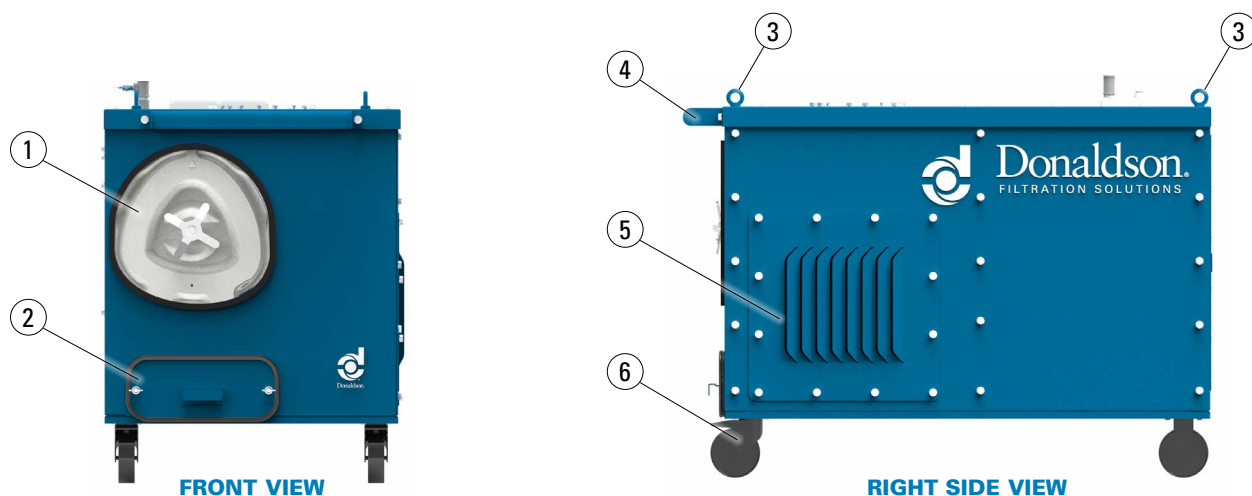
Donaldson®
FILTRATION SOLUTIONS

TECHNICAL DATASHEET

DFPRE 1 Mobile Fume Collector



DESIGN SPECIFICATIONS

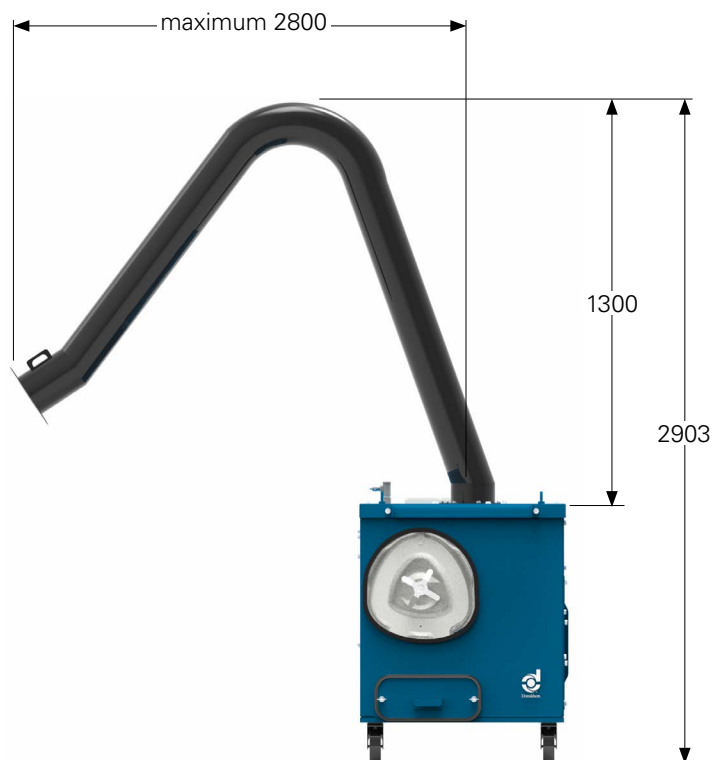
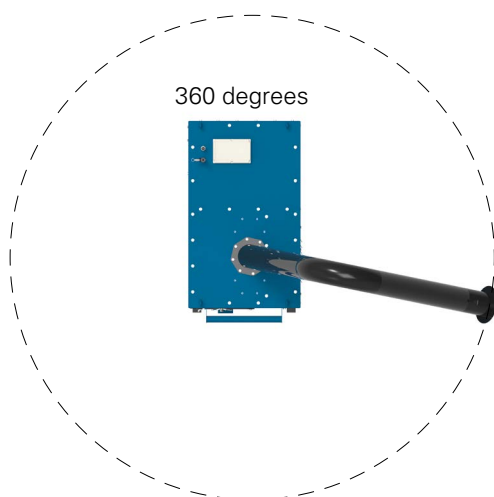
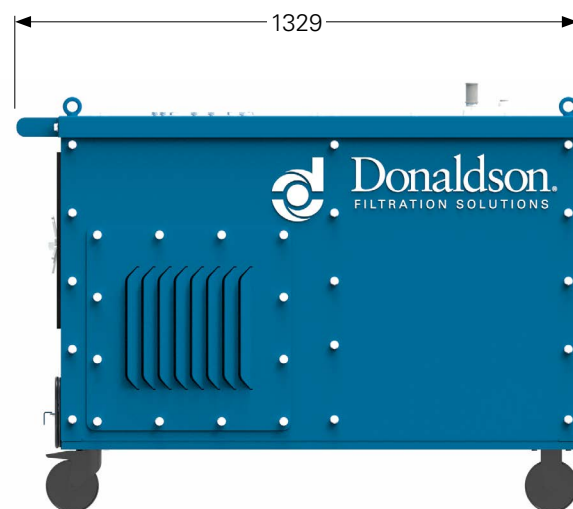
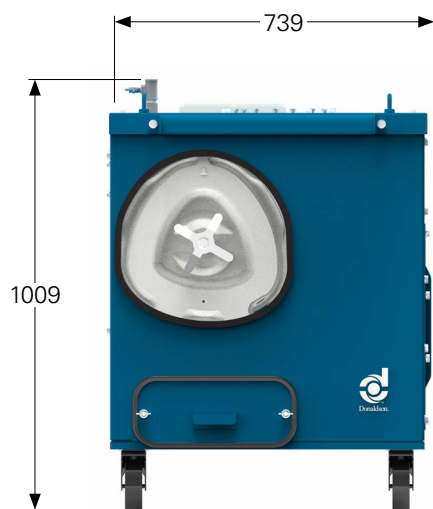


- | | |
|----------------------------------|-----------------------------|
| ① Access cover | ⑥ Castor wheel |
| ② Dust bin | ⑦ Compressed air connection |
| ③ Lifting eyebolt | ⑧ Power connection |
| ④ Handle | ⑨ Controller |
| ⑤ Outlet flange - can be rotated | ⑩ Extraction arm |

DESIGN LIMITS

- Operating temperature:** -10° to +60°C
- Maximum operating pressure:** ±3 kPa (300 mm WG)
- Finishing:** Acrylated alkyd paint colour RAL 5019 (blue) - semi gloss
- Extraction capacity:** 1 extraction arm: 1250 m³
2 extraction arms: 1950 m³

DIMENSIONS (IN MM)



COLLECTOR WEIGHT

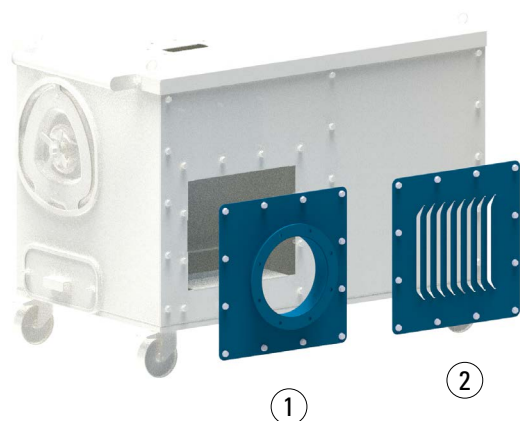


	Model	Weight (in kg)
①	DFPRE 1 without extraction arm (including filter cartridges, prior to first use)	309
①	DFPRE 1 with 1 extraction arm (including filter cartridges, prior to first use)	324
②	DFPRE 1 with 2 extraction arms (including filter cartridges, prior to first use)	339

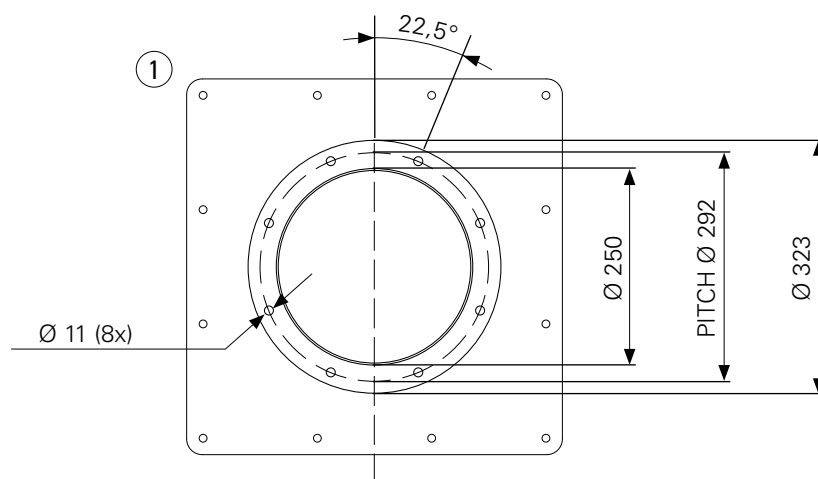
FAN

Fan type	Power (in kW)	Phase	Frequency (in Hz)
FG 351 P	2.2	single phase	50

OUTLET OPTIONS



- ① **Outlet plate flange**
NW250 DIN24154/2
for ducting connection to avoid air recirculation
- ② **Outlet plate louvre**
can be mounted in 3 directions
for inside evacuation



AVAILABLE OPTIONS

Unit options

HEPA filter class H13

CARTRIDGE TYPE

Cartridge type

Filter assembly DFE 660mm Ultra-Web® Flame Retardant

ELECTRICAL REQUIREMENTS

Manual cleaning mechanism with push button

Control box protection class: IP65

Input voltage: 230 V / 50 Hz / single phase

NOISE EMISSION

Noise emission declaration of the DFPRE 1 with AC fan for one extraction arm **with insulation foam** measured acc. to EN-ISO 11201:2010:

The A-weighted emission sound pressure level re. 20 µPa	< 80 dB
associated total uncertainty K _{pA}	1.6 dB

The declaration is in conformance with ISO 4871.

MANIFOLD DESIGN DETAILS

Design temperature: -20° to +70°C

Manifold volume: 2.78 litres

Product of pressure and capacity: 19.25 bar litres

Material used for manifold construction: Structural hollow section according to EN13445

COMPRESSED AIR REQUIREMENTS

Nominal operating pressure range 6 bar

Consumption per cleaning sequence*: 75L/min

(each cleaning sequence consists of 5 pulses every 12s with 100ms valve opening time)

*compressed air connection only required during offline cleaning

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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