



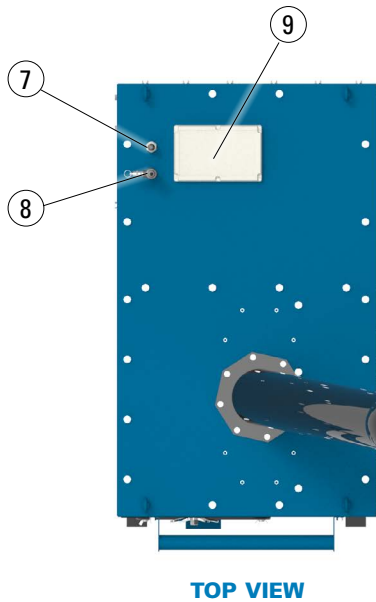
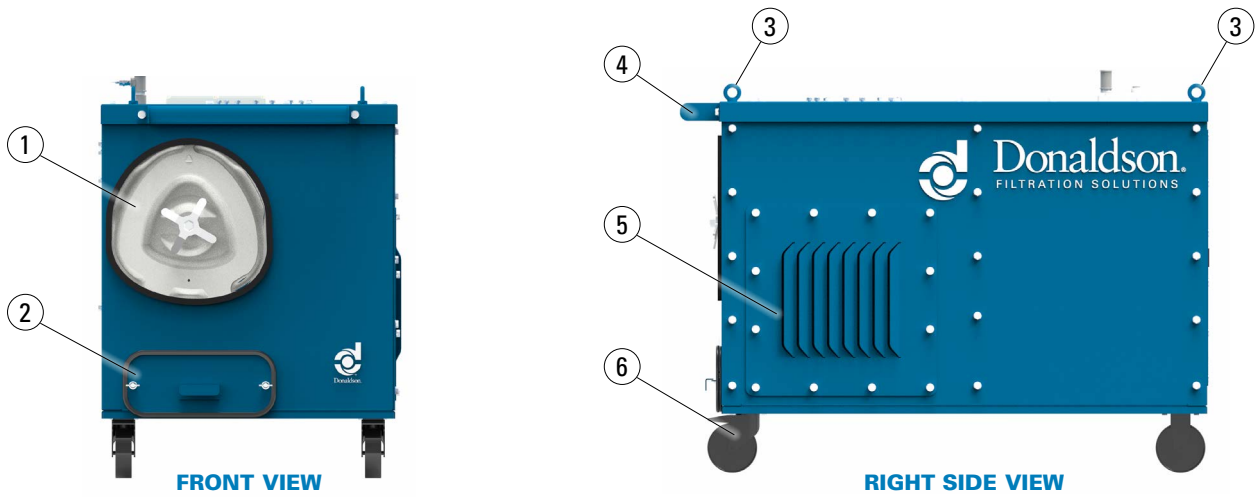
Donaldson  
FILTRATION SOLUTIONS

## TECHNICAL DATASHEET

### DFPRE 1 Mobile Fume Collector

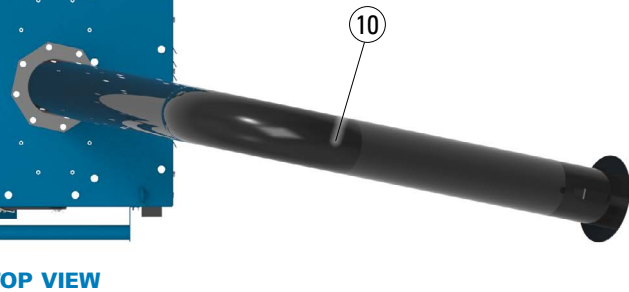


## DESIGN SPECIFICATIONS



**2 types available:**

- 1 extraction arm
- 2 extraction arms

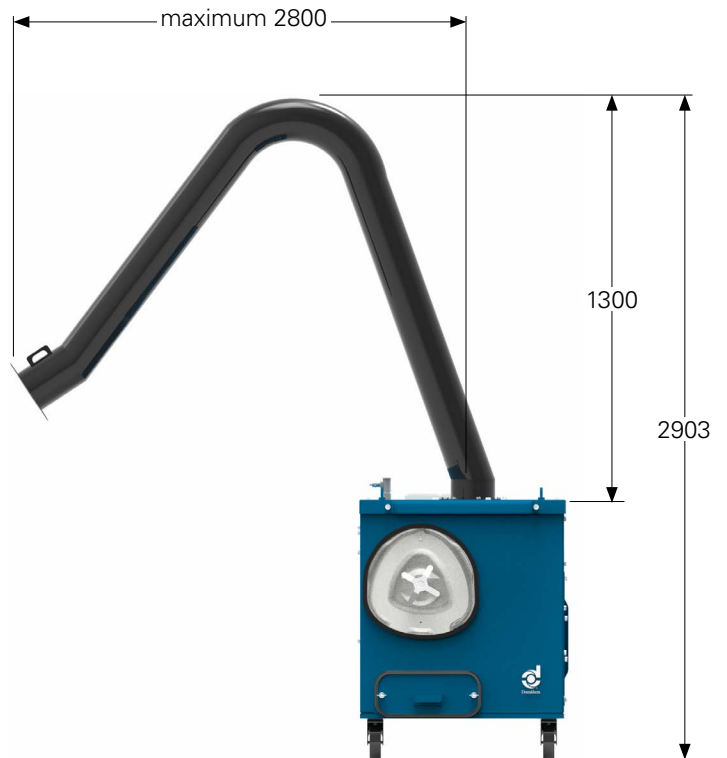
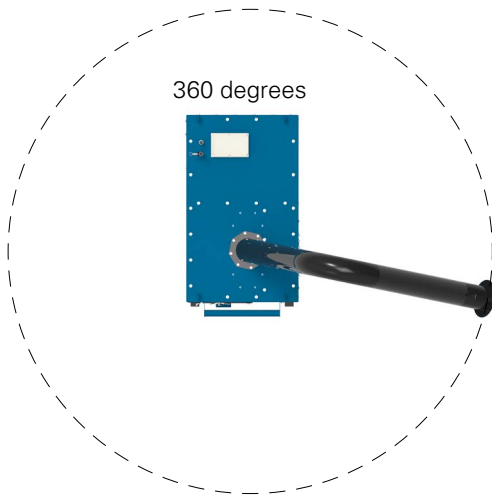
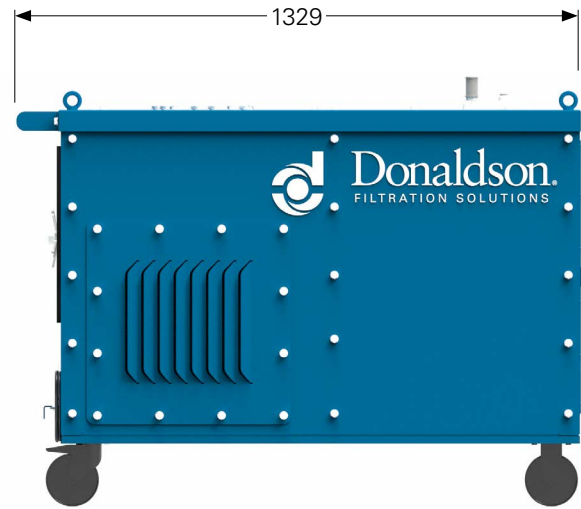
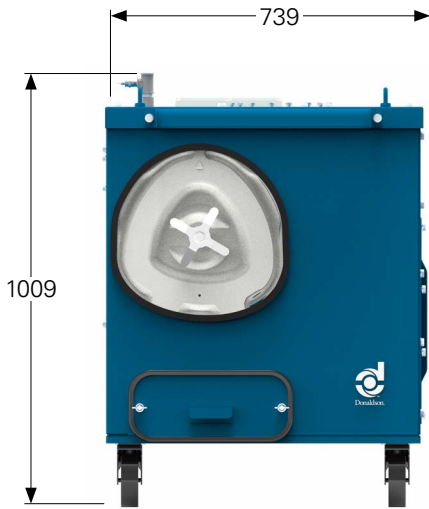


- |                                  |                             |
|----------------------------------|-----------------------------|
| ① Access cover                   | ⑥ Castor wheel              |
| ② Dust bin                       | ⑦ Compressed air connection |
| ③ Lifting eyebolt           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

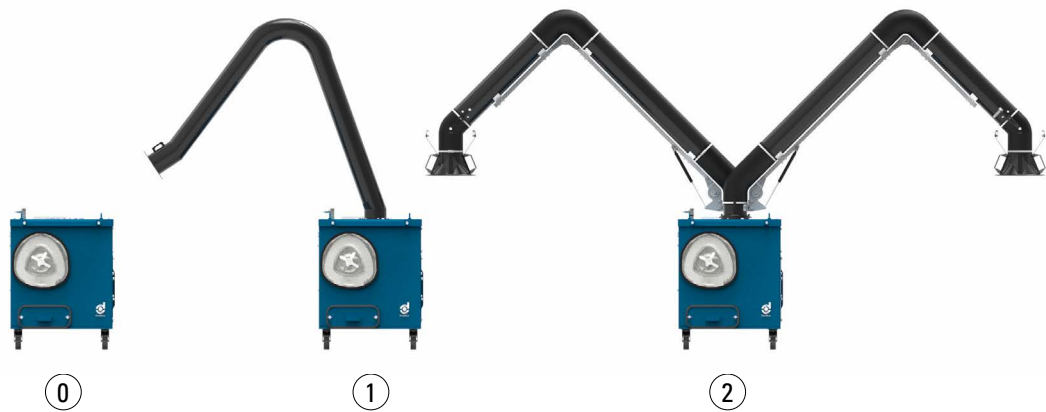
### DESIGN LIMITS

**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 m<sup>3</sup>  
 2 extraction arms: 1950 m<sup>3</sup>

## DIMENSIONS (IN MM)



## COLLECTOR WEIGHT

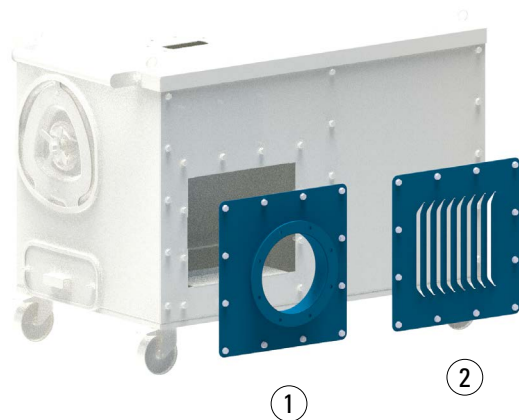


	Model	Weight (in kg)
①	<b>DFPRE 1 without extraction arm</b> (including filter cartridges, prior to first use)	<b>309</b>
②	<b>DFPRE 1 with 1 extraction arm</b> (including filter cartridges, prior to first use)	<b>324</b>
③	<b>DFPRE 1 with 2 extraction arms</b> (including filter cartridges, prior to first use)	<b>339</b>

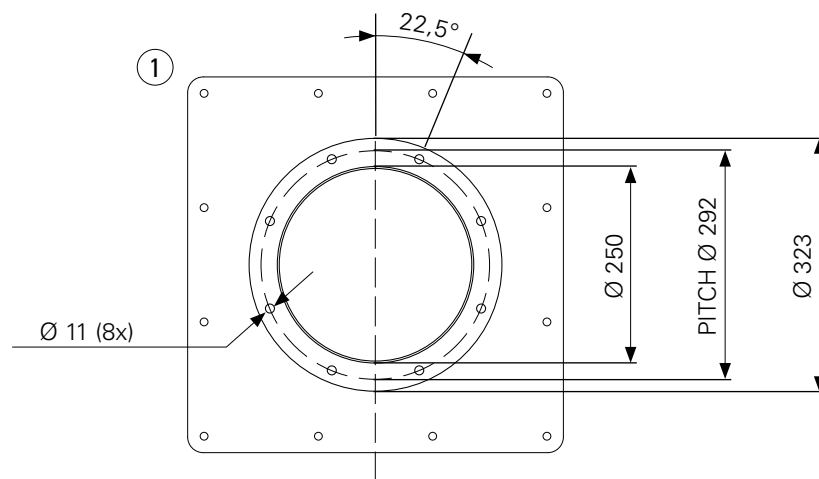
## FAN

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 <sub>pA</sub>	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



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