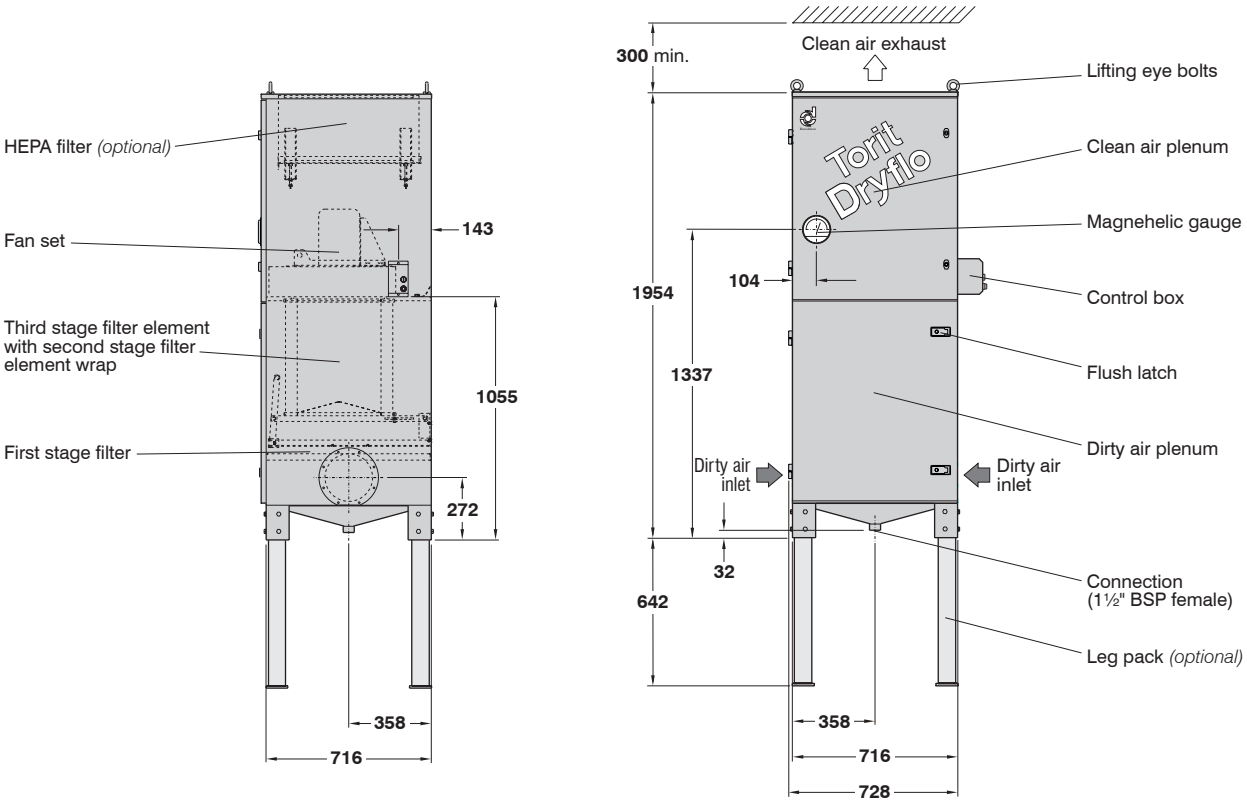
Dryflo Mist Collectors

Series DMC-C and DMC-D1



Dryflo DMC-C mist collector
Model DMC-C with integrated HEPA filter illustrated

SPECIFICATION

Model	Number of filter elements*	Filtration area	Number of HEPA filters	Motor rating	Approx. net weight
DMC-C	1	13 m²	0	1.5 kW	260 kg
DMC-C with integrated HEPA filter			1		279 kg

*Refer to filter element specification in table below

FILTER ELEMENT SPECIFICATION

A first stage filter and a second stage filter element wrap is included per third stage filter element.
Dependant on the application, a different first stage filter can be selected:

- Wire mesh (standard)
- Thin screen (for heavy particle loading applications)
- Polypropylene (for heavy liquid loading applications)

No: 421-0754-GB • Rev: 05 • Date: 01/12

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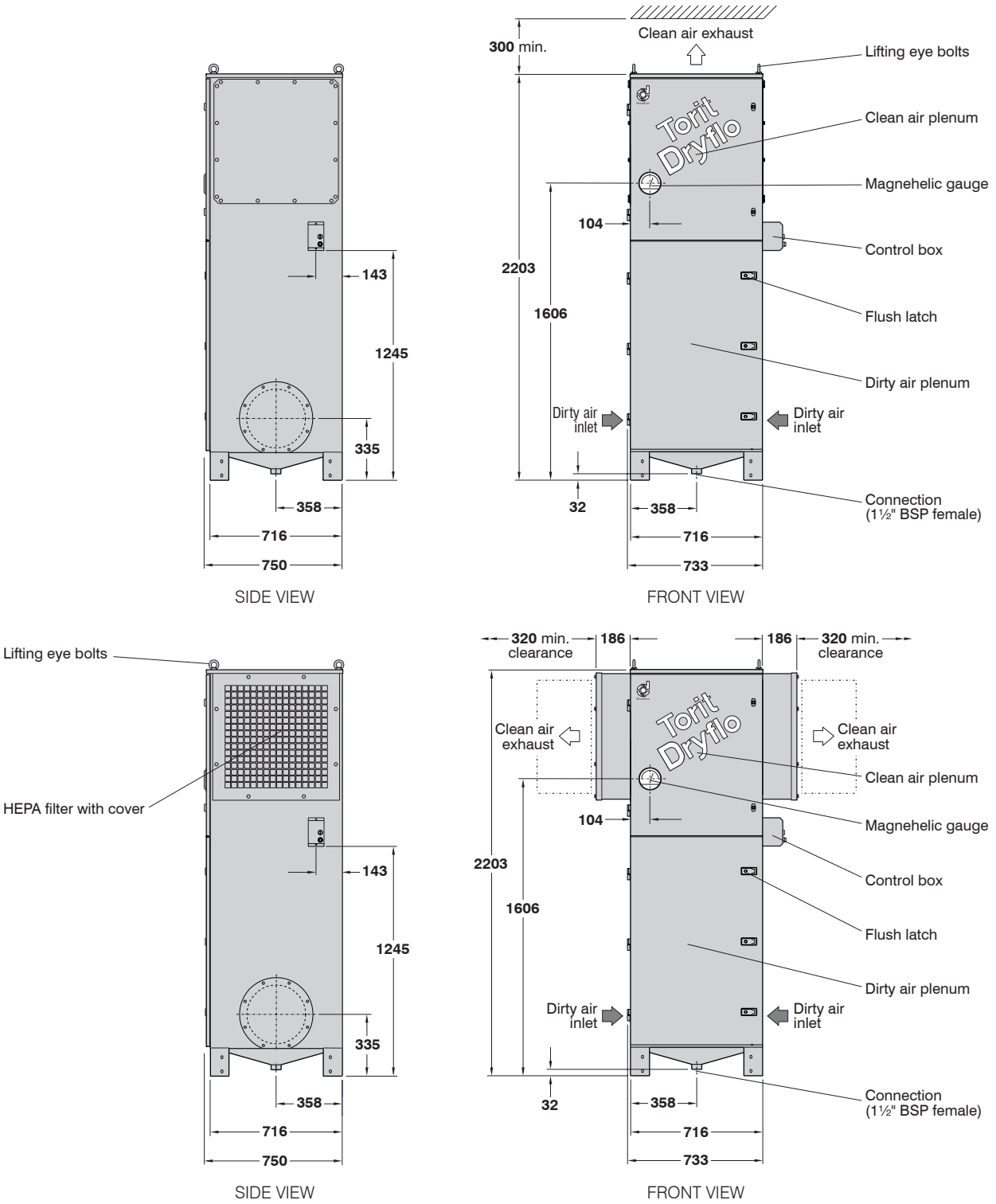


Dryflo DMC-D1 mist collector

Models DMC-D1 and DMC-D1 with HEPA filter illustrated

SPECIFICATION

Model	Number of filter elements*	Filtration area	Number of HEPA filters	Motor rating	Approx. net weight
DMC-D1	1	20.4 m²	0	2.2 kW	353 kg
DMC-D1 with HEPA filter			2		391 kg

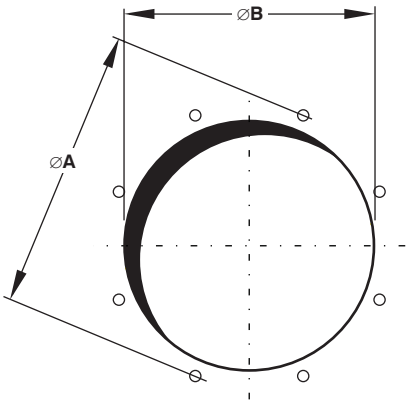
*Refer to filter element specification on page 1

DESIGN SPECIFICATION (standard equipment)

Operating temperature: 5° to 60°C

Power supply: 3 x 230V + Pe-50 Hz
3 x 400V + Pe-50 Hz

Finishing: PU paint colour RAL 5019 (blue)



Model	DIMENSIONS in mm* Nominal ∅	∅A	∅B	No. of holes (∅11.5)
DMC-C	200	241	203	8
DMC-D1	315	366	318	8

* DIN 24154/2 (July 1990)

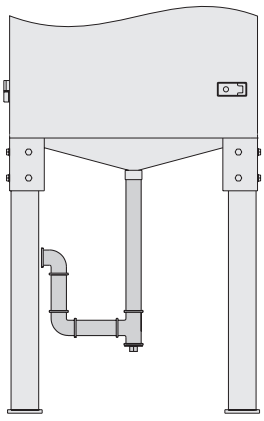
Inlet details for Dryflo DMC-C and DMC-D1

OPTIONS

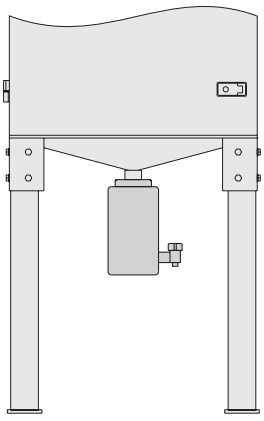
INLET PACK

Transition flanges	DMC-C Inlet NW200	DMC-D1 Inlet NW315
NW100	✓	
NW125	✓	
NW160	✓*	✓
NW180	✓*	✓
NW200		✓
NW224		✓
NW250		✓
NW280		✓*

✓* : includes transition flange with tube extention

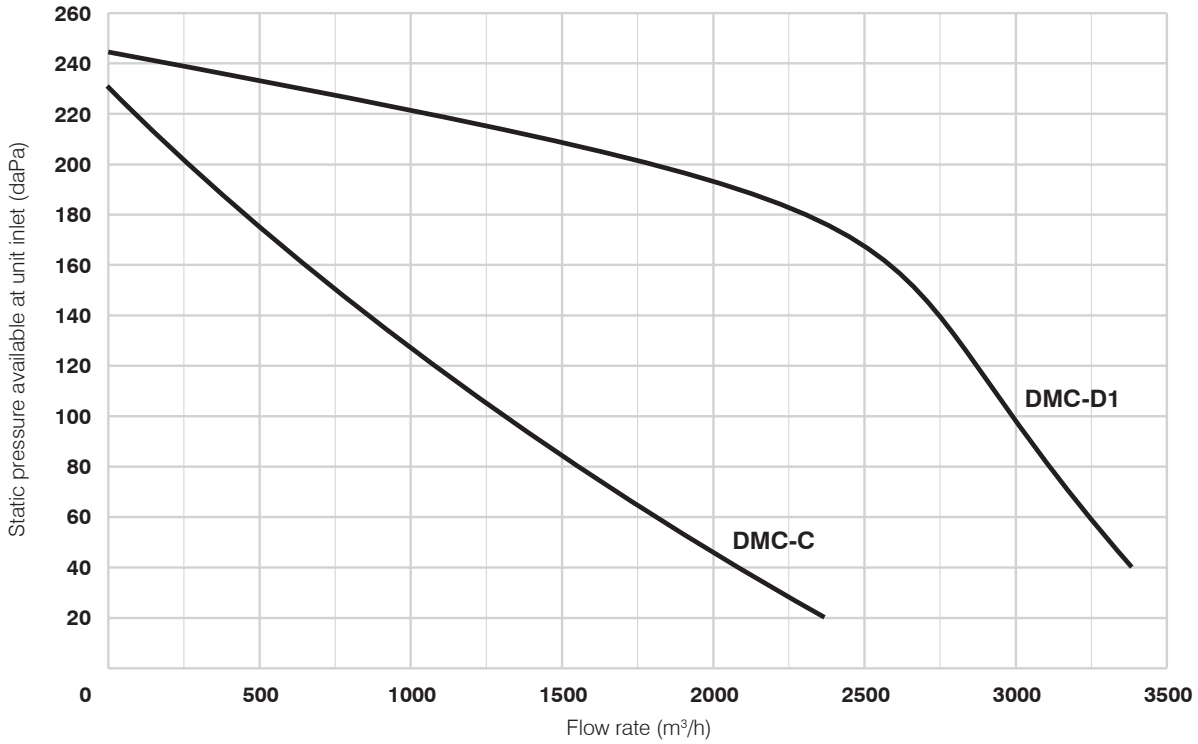


P-trap



Collection bottle

- **Leg pack**
- **Drain screen**
- **WSO style filter element. WSO 25 type in DMC-D1 (18.1 m²)**



Unit performance curves

FAN SELECTION

These curves indicate static pressure available at unit inlet for a given application, when fitted into a collector.

To select the most suitable fan for a given application:

1. Determine the air volume, in m³/h, needed to entrain the oil mist.
2. Estimate pressure drop through connected system – i.e. between point of entrainment and unit inlet.
3. Consult graph for fan performance available.

Note: The pressure drop of the unit has already been taken into account (100 daPa).

FAN NOISE

	DMC-C	DMC-D1
LpAeq*	72 dB(A)	75 dB(A)

* Measurement according to DIN 45635/1 at 1m distance, in semi-free field conditions, usual tolerance ±2 dB(A)

FAN MOTOR SPECIFICATION

Voltage: 230V/400V for DMC-C
400V/690V for DMC-D1

Cycle: 50 Hz

Speed: 2870 RPM

Insulation class: F

Protection class: IP55

Donaldson FILTRATION SOLUTIONS

www.donaldson.com

Humberstone Lane
Thurmaston
Leicester LE4 8HP
England
Tel +44 (0)116 269 6161
Fax +44 (0)116 269 3028
Email: IAF-uk@donaldson.com

Research Park Building No. 1303
Interleuvenlaan 1
B-3001 Leuven (Heverlee)
Belgium
Tel +32 (0)16 383 970
Fax +32 (0)16 383 938
Email: IAF-europe@donaldson.com