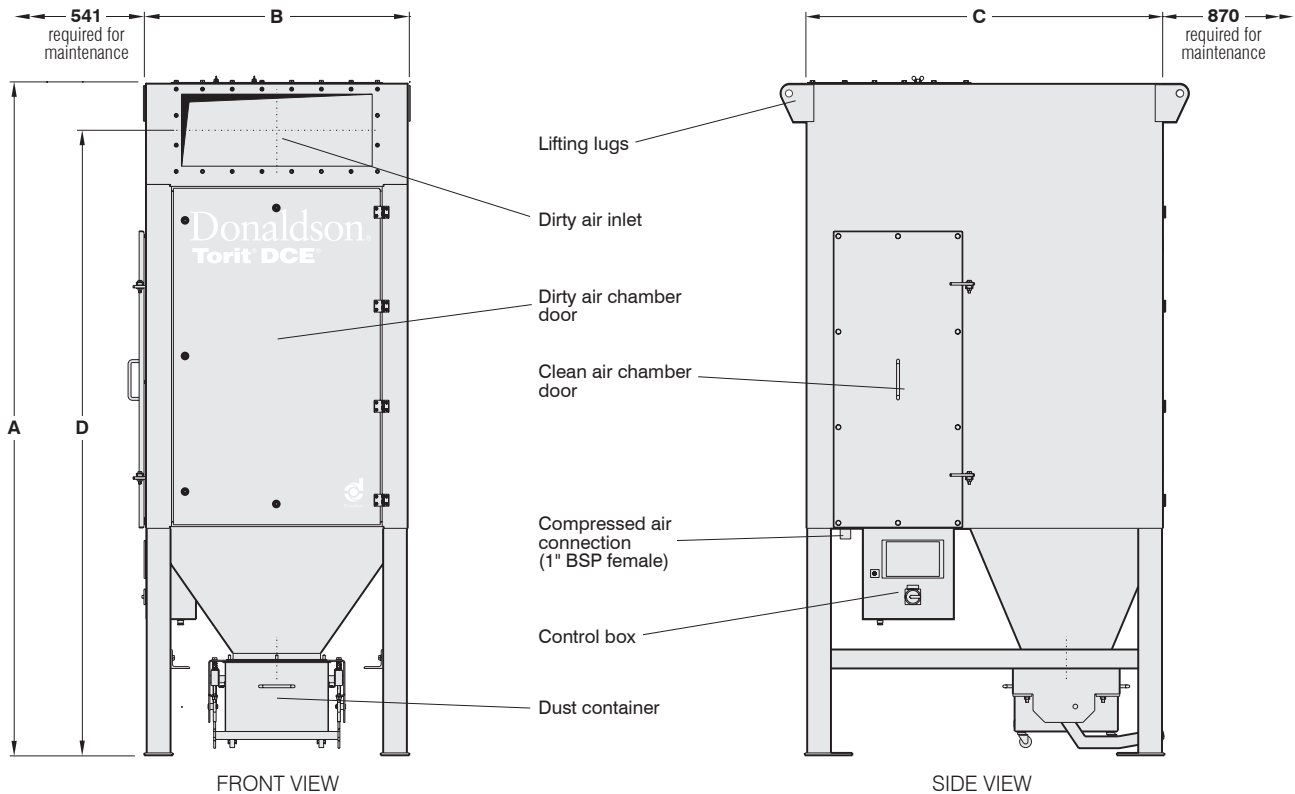


DFPRO Dust Collectors

Series DFPRO 4-16 and DFPRO-R 4-16



DFPRO STANDARD DUST COLLECTOR

Model DFPRO 6 illustrated

		DIMENSIONS (in mm)				
		DFPRO 4	DFPRO 6	DFPRO 8	DFPRO 12	DFPRO 16
Standard (400 mm hopper clearance*)	A (Height)	2295	2750	3205	2750	3205
	B (Width)	1100	1100	1100	2100	2100
	C (Depth)	1500	1500	1500	1500	1500
	D (Height to Inlet)	2094	2549	3004	2531	2986
Number of filter elements		4	6	8	12	16
Filtration area (Ultra Web®)		70.6 m ²	106.0 m ²	141.2 m ²	211.8 m ²	282.4 m ²

*For 1065 mm hopper clearance add 665 mm to height 'A' and 'D'. For 1500 mm hopper clearance add 1100 mm to height 'A' and 'D'.

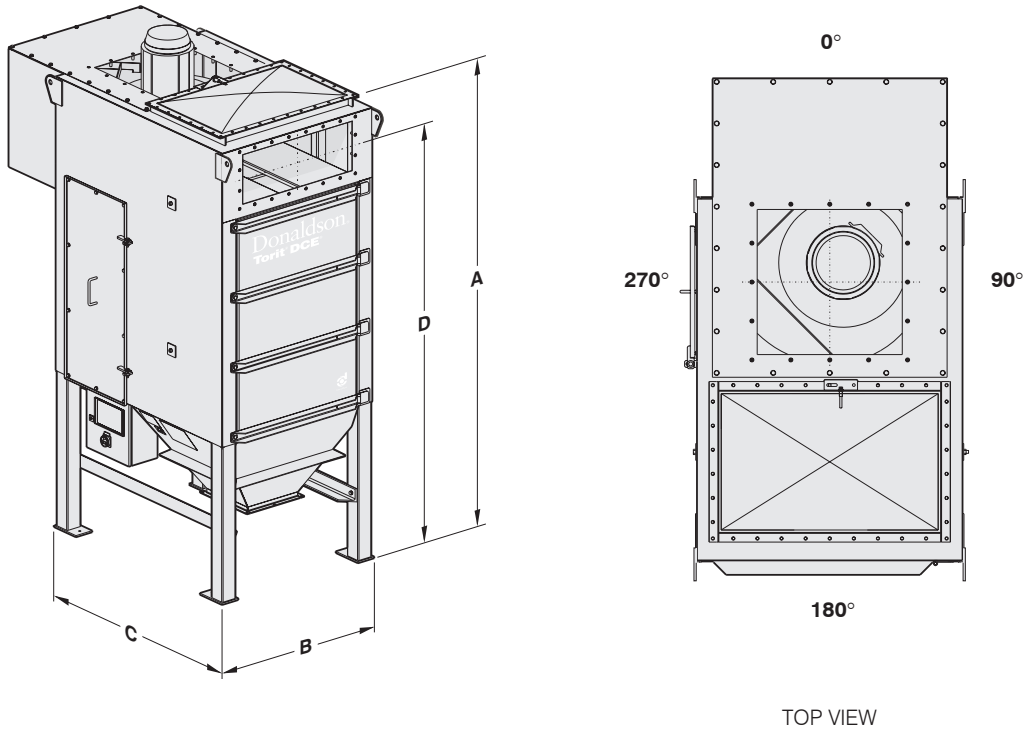
DESIGN SPECIFICATIONS (standard equipment)

Operating temperature: -10° to +65°C

Maximum operating pressure range: ±5 kPa (500 mm WG)

Wind load rating: 160 km/h

Finishing: Acrylated alkyd paint colour RAL 5019 (blue) – semi gloss



DFPRO REINFORCED DUST COLLECTOR

Model DFPRO 6 illustrated

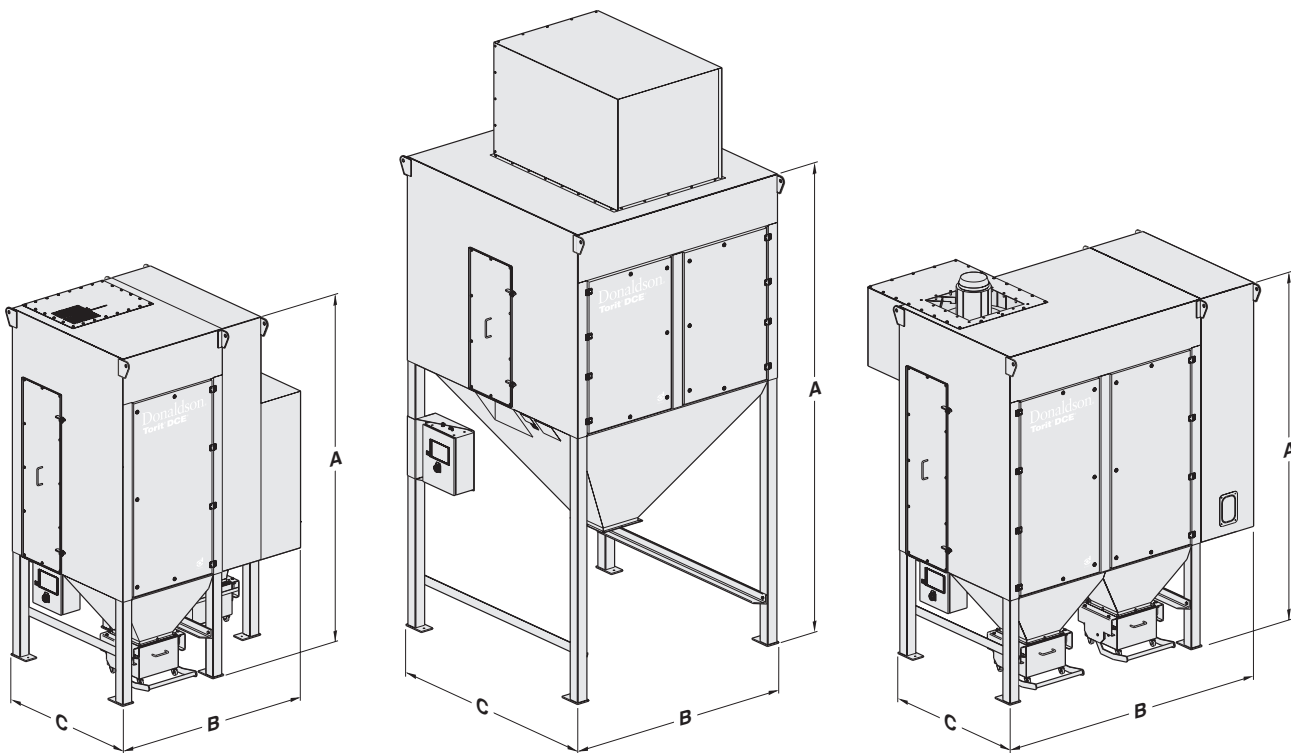
		DIMENSIONS (in mm)				
		DFPRO 4	DFPRO 6	DFPRO 8	DFPRO 12	DFPRO 16
Reinforced (400 mm hopper clearance*)	A (Height)	2390	2845	3300	2845	3300
	B (Width)	1102	1102	1102	2102	2102
	C (Depth)	1562**	1562**	1562**	1562**	1562**
	D (Height to Inlet)	2094	2549	3004	2531	2986
	Number of filter elements	4	6	8	12	16
	Filtration area (Ultra Web®)	70.6 m ²	106.0 m ²	141.2 m ²	211.8 m ²	282.4 m ²

*For 1065 mm hopper clearance add 665 mm to height 'A' and 'D'. For 1500 mm hopper clearance add 1100 mm to height 'A' and 'D'.
**Includes reinforcements on door.

COMPRESSED AIR REQUIREMENTS

- Max. 7 bar
- Pressure range 6-7 bar
- Clean air (max. particle size 50 µm)
- Free of condensate at working temperature
- Max. oil content: 3 mg/m³
- Approx. compressed air usage*: ±45 Nlitres per pulse
(±16.2 Nm³/h for 10 s pulse interval at 7 bar)

* The indicated value is the consumption per valve



**DFPRO CYCLOPEEL
DUST COLLECTOR**
Model DFPRO 8 illustrated

**DFPRO DROP OUT BOX
DUST COLLECTOR**
Model DFPRO 12 illustrated

**DFPRO SPARKTRAP
DUST COLLECTOR**
Model DFPRO 16 illustrated

		DIMENSIONS (in mm)				
		DFPRO 4	DFPRO 6	DFPRO 8	DFPRO 12	DFPRO 16
Cyclopeel (400 mm hopper clearance*)	A (Height)	2295	2750	3205	2947	3402
	B (Width)	1782	1862	2030	3225	3628
	C (Depth)	1500	1500	1500	1500	1500
	D (Height to Inlet)	–	–	–	–	–
Drop Out Box (1065 mm hopper clearance**)	A (Height)	2960	3415	3870	4121	4576
	B (Width)	1600	1600	1750	2100	2100
	C (Depth)	1500	1500	1500	2200	2450
	D (Height to Inlet)	2725	3130	3585	3785	4167
Sparktrap (400 mm hopper clearance*)	A (Height)	2295	2750	3205	2750	3205
	B (Width)	1390	1550	1455	2535	2630
	C (Depth)	1500	1500	1500	1500	1500
	D (Height to Inlet)	–	–	–	–	–
Number of filter elements		4	6	8	12	16
Filtration area (Ultra Web®)		70.6 m ²	106.0 m ²	141.2 m ²	211.8 m ²	282.4 m ²
*For 1065 mm hopper clearance add 665 mm to height 'A'. For 1500 mm hopper clearance add 1100 mm to height 'A'.						
**For 1500 mm hopper clearance add 435 mm to height 'A' and 'D'.						

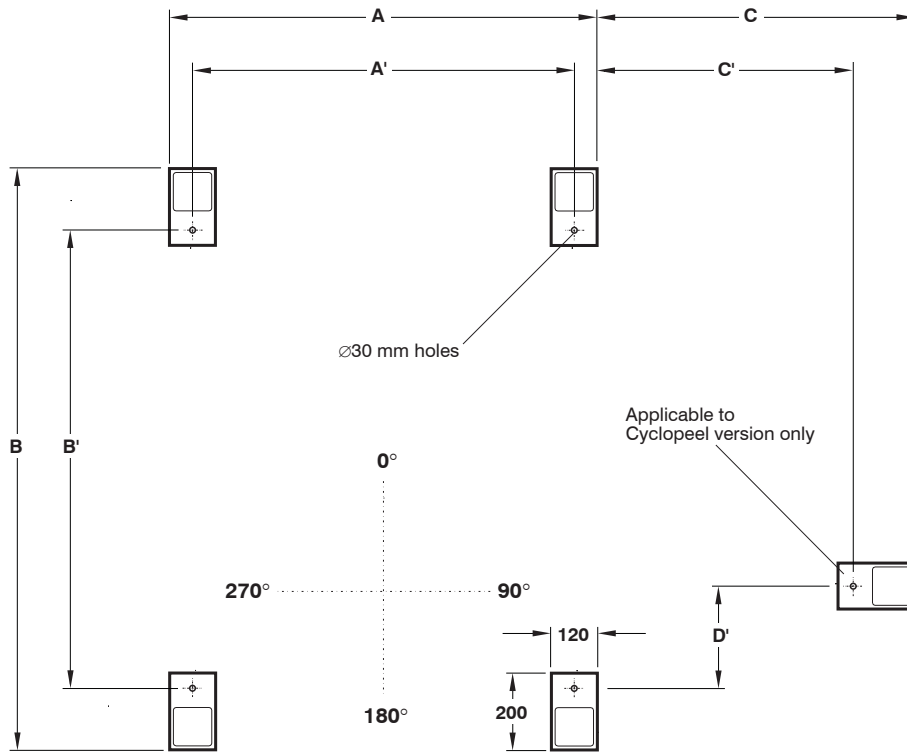
NOISE LEVEL*

Pulse noise*

LpAeq: ≤ 75 dB (A-weighted equivalent continuous sound pressure level)

ΔLi: ≤ 10 dB (impulsive noise content)

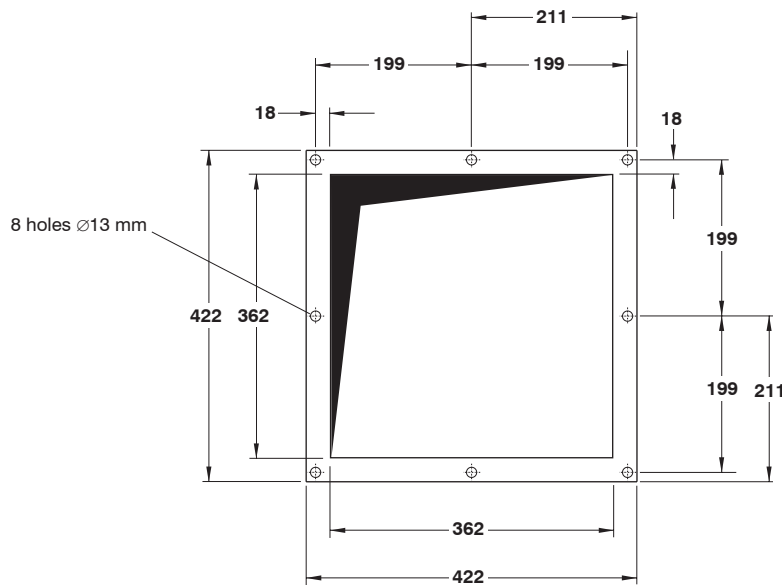
* Measurement according to DIN 45635/1 at 1m distance, with 6 bar compressed air pressure, pulse interval of 15s, semi-free field conditions and usual tolerance ±2 dB.



FOUNDATION DETAILS

		DIMENSIONS (in mm)				
		DFPRO 4	DFPRO 6	DFPRO 8	DFPRO 12	DFPRO 16
Standard	Width A	1114	1114	1114	2114	2114
	A'	994	994	994	1994	1994
	Depth B	1513	1513	1513	1513	1513
	B'	1193	1193	1193	1193	1193
Reinforced	Width A	1114	1114	1114	2114	2114
	A'	994	994	994	1994	1994
	Depth B	1513	1513	1513	1513	1513
	B'	1193	1193	1193	1193	1193
Sparktrap	Width A	1114	1114	1114	2114	2114
	A'	994	994	994	1994	1994
	Depth B	1513	1513	1513	1513	1513
	B'	1193	1193	1193	1193	1193
Cyclopeel	Width A	1114	1114	1114	2114	2114
	A'	994	994	994	1994	1994
	Depth B	1513	1513	1513	1513	1513
	B'	1193	1193	1193	1193	1193
	Width C	595	725	893	1189	1491
	C'	435	565	733	1029	1331
	D'	200	668	411	411	461
Drop Out Box	Width A	1614	1614	1764	2114	2114
	A'	1494	1494	1644	1994	1994
	Depth B	1513	1513	1513	2213	2463
	B'	1193	1193	1193	1893	2143

DIRTY AIR INLET DETAILS						
	DIN standard	DFPRO 4	DFPRO 6	DFPRO 8	DFPRO 12	DFPRO 16
Standard	DIN 24193/2 (mm)	800 x 300	800 x 300	800 x 300	1600 x 300	1600 x 300
Reinforced	DIN 24193/2 (mm)	800 x 300	800 x 300	800 x 300	1600 x 300	1600 x 300
Sparktrap	Pipe (nominal)	–	224	250	315	355
Cyclopeel	DIN 24154/2 nominal dia.	NW 140	NW 160	NW 200	NW 250	NW 280
		NW 160	NW 180	NW 224	NW 280	NW 315
		NW 180	NW 200	NW 250	NW 315	NW 355
		NW 200	NW 224	NW 280	NW 355	NW 400
		NW 224	NW 250	NW 315	NW 400	NW 450
		NW 250	NW 280	NW 355	NW 450	NW 500
Drop Out Box	DIN 24154/2 nominal dia.	NW 280	NW 315	NW 400	NW 500	NW 560
		NW 250	NW 315	NW 355	NW 450	NW 500
		NW 280	NW 355	NW 400	NW 500	NW 560
		NW 315	NW 400	NW 450	NW 560	NW 630
		NW 355	NW 400	NW 450	NW 560	NW 710

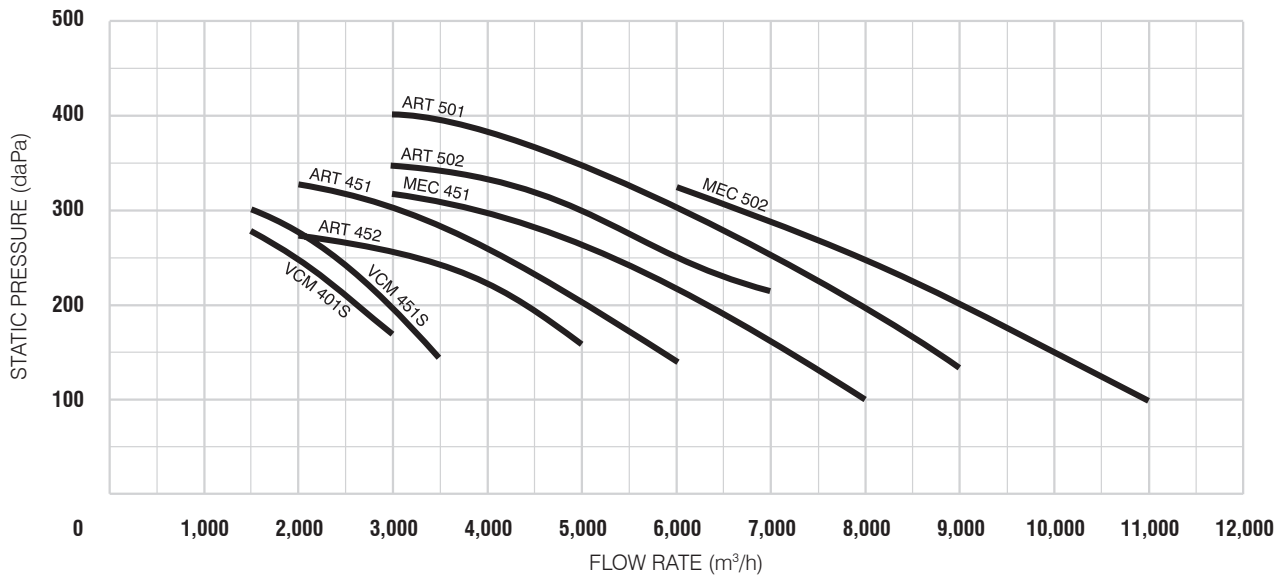


HOPPER FLANGE DETAILS (362 x 362)

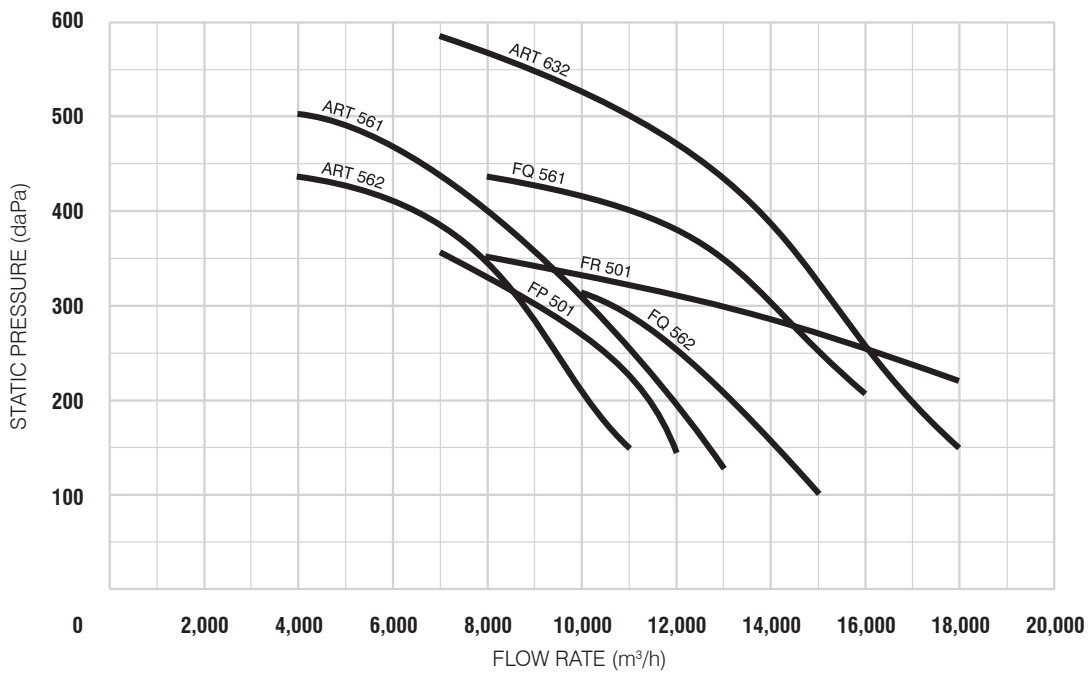
ELECTRICAL SPECIFICATIONS

Controls

- Full automatic cleaning mechanism: TCB
- Pulse time: 100 ms
- Interval time: 10 s
- Voltage input: 400V AC; 3 ph; 50 Hz;
- Protection class: IP65
- Solenoid voltage: 24V DC



FAN PERFORMANCE CURVES (2.2 to 11 kW)



FAN PERFORMANCE CURVES (11 to 22 kW)

FAN SELECTION

These curves indicate static pressure available at fan 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 dust.
- 2 Estimate pressure drop through connected system – i.e. between point of entrainment and collector inlet.
- 3 Assess pressure drop over dust collector, prior to replacing filter cartridges, usually 100 daPa.
- 4 The sum of 2 and 3 = static pressure at inlet.
- 5 Consult graph for fan performance available.

OPTIONS

- Outside installation
- Service platform with galvanized gratings, handrail and ladder
- Front inlet adaptor pieces
- Full range of dust disposal systems
- Full range of filter cartridges
- Blow off channels (vent pipe) on Reinforced version for indoor installations (1, 2 or 3m lengths)
- Pulse noise attenuation down to $L_{pAeq} \leq 70$ dB
- Earthing
- Compressed air – oil/water separator and accessories
- IAF Feeder for the absorption of oily substances

Equipment suitable for use in a potentially explosive atmosphere (Directive 94/9/EC) satisfying the requirements for group II category 2D and 3D T125°C is available