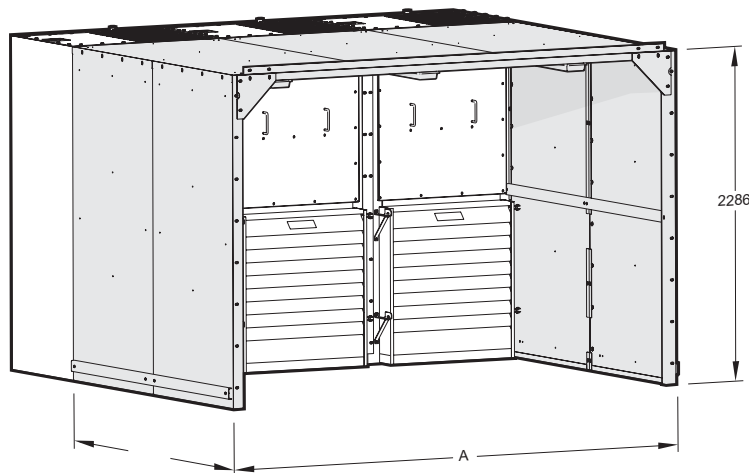


## Environmental Control Booth Dust Collector



### PULSE NOISE LEVEL

LpAeq:  $\leq 75$  dB (A-weighted equivalent continuous sound pressure level)  
 $\Delta L_i$ :  $\leq 10$  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  $\pm 2$  dB.

### BOOTH PACK SPECIFICATIONS

Booth Pack	Width (A) of booth	Approx. net weight (booth only)
ECB-2	2286 mm	300 kg
ECB-3	3429 mm	450 kg
ECB-4	4572 mm	600 kg

### COMPRESSED AIR REQUIREMENTS

Max. 7 bar  
 Pressure range 6-7 bar  
 Clean air (max. particle size  $50 \mu\text{m}$ )  
 Free of condensate at working temperature  
 Max. oil content:  $3 \text{ mg/m}^3$   
 Approx. compressed air usage  $\pm 50$  Nl/litres per pulse  
 ( $\pm 18 \text{ Nm}^3/\text{h}$  for 10 s pulse interval at 7 bar)

\*The indicated value is the consumption per valve

## 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  $\text{m}^3/\text{h}$ , 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.

## ELECTRICAL SPECIFICATIONS

### Controls

Full automatic cleaning mechanism: Torit Control Board or IPC / IPC ( $\Delta P$ ) Controller  
 Pulse time: 100 ms  
 Interval time: 10 s

Voltage input: 400V AC; 3 ph; 50 Hz;  
 Control box protection class: IP65  
 Solenoid voltage: 24V DC

## OPTIONS

Full range of filter cartridges  
 Pulse noise attenuation down to  $L_{pAeq} \leq 70$  dB  
 Compressed air – oil/water separator and accessories  
 Earthing connection

Joining pack for connecting two modules  
 Downdraft bench  
 ATEX certified unit on request