camfil
AIR POLLUTION CONTROL

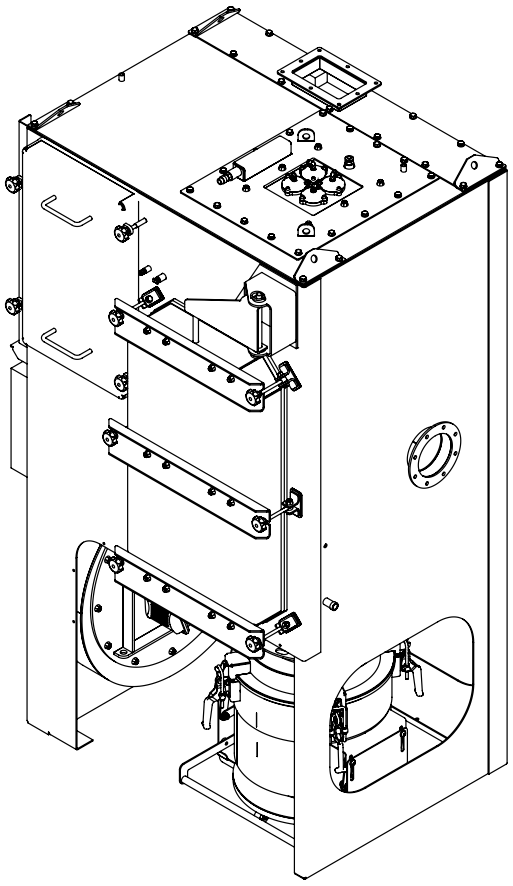
QUAD PULSE
PACKAGE
DATA SHEET

DESCRIPTION: QUAD PULSE PACKAGE PX1

A compact dust collector designed for ease of installation and maintenance, incorporating an integrated fan, BIBO Bin, BIBO Primary and HEPA filters.

APPLICATIONS

Pharmaceutical applications for the Quad Pulse Package PX1 collector include: **tableting, mixing, blending, granulation, drying, coating, filling** and **packaging**.
Also applicable for a range of applications within other industries with similar technical demands, including the chemical industry, cosmetics and nuclear industries.



Weight (incl. filters)	1050kg
System dimensions	WxDxH: 1152 x 852 x 2200mm
Noise level	Lp AEQ 90s = 73.2dB
Air Capacity	1000 m3/h (range 500-1200 m3/h) dependent on application
Process Air Temperature	0 – 40°C non-condensing
Suction Capacity	5kPa (higher pressure available using remote mounted fans)
Motor	ATEX ExnA T3 3D T125C, IE3, Class S1, 3x400V, 4kW, 7.3 A, IP55/66 for 3D IIIC
Starter	DOL or VSD available
Integrated Control System	Ex II 3 D, tc, IIIC, IP66, T80C, Dc
Compressed Air Quality	Class 3 or better according to ISO 8573.1

FEATURES AND BENEFITS

Quadpulse filter cleaning design (Patent pending)

Provides improved dust release and enhanced filter service life. By cleaning individual segments of the filter element, the air flow variations are reduced to maintain duct air velocities and reduce pressure fluctuations in the dirty air ducting and associated process machinery.

The lower compressed air pressure, improved filter cleaning and high efficiency fan motor all ensure lower energy consumption.

Containment

Incorporates a safe change BIBO bin and HEPA filter operation. Utilises the surrogate tested Camtain BIBO filter change principle for a safe and simple primary filter change obtaining up to OEB 5.

Explosion Protection

Ensures an explosion event (ST2 dusts) is safely contained within the Quadpulse dust collector without the need for additional expensive safety devices. Ensures the unit can be safely installed indoors without any limitations and close to the process to greatly reduce the ducting installation requirements.

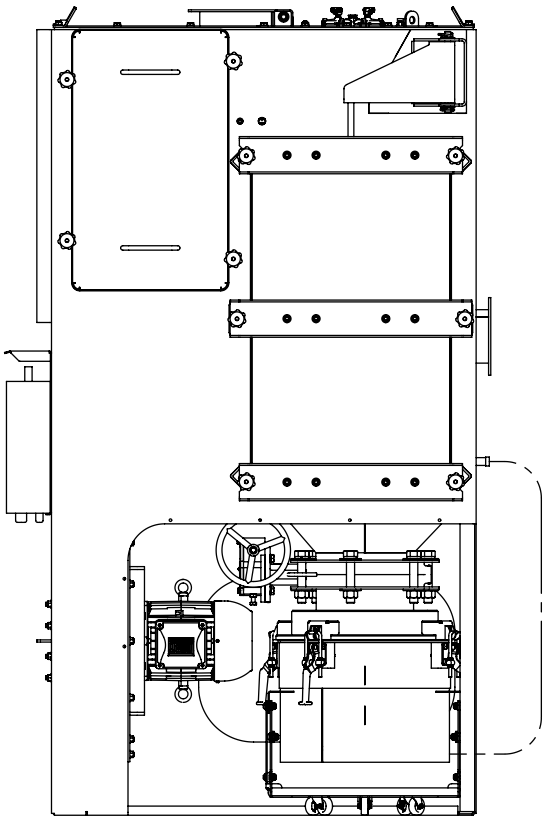
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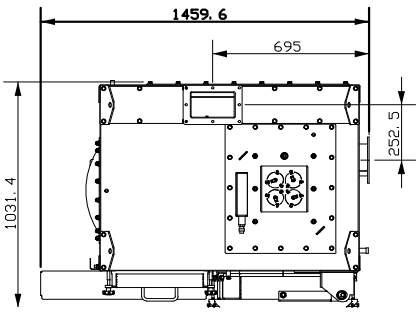
EXPLOSION PROTECTION (ATEX Compliant)

Unit marking	Ex 2/3 D c IIIA, IIIB, T=125, Tx=60, IP55/IP66 for IIIC marked units
Max Pred	0.6 bar
Max dust KST	299 bar m/s (IIIA, IIIB) / 220 (IIIC)
Max dust PMax	10 bar m/s ST3 dusts and hybrid mixtures possible with chemical suppression
Rated shock resistance	1 bar

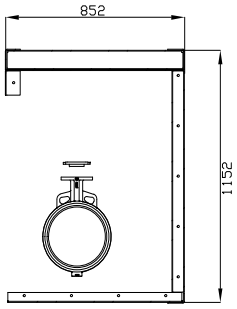
FRONT VIEW



TOP VIEW

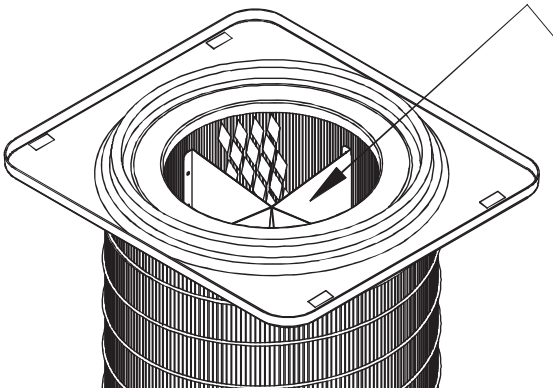


FOOT PRINT



FILTER

Main filter	eXtreme Carbon or Durapleat PTFE membrane antistatic
Main filter cartridge class	M EN 60335-2-69
Main filter area	16.7 / 12.7m^2
Final filter class	H14, 99,995% at MPPS EN 1822
HEPA DOP Testing	Integrated test ports and aerosol injection port for volumetric HEPA testing
HEPA area	22.5m^2



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