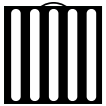


Aircube / Nanoclass Cube N Pro ATEX

Product Range



Features



EX

Applications



Filter Class

E H

ePM1



KEY FACTS

- Suitable for high flow rates up to 4,000 m³/h
- Compact, space-saving design
- Large active media area
- Ideal for robust industrial applications
- High temperature stability up to 120 °C
- Filter series tested according to EN 13501-1:2010 as E d0

DESIGN

V-shaped pleated cells with special thread separators to ensure even spacing of the pleats. Metal casing with an integrated handle for ease of installation.

APPLICATIONS

Fine dust and HEPA filtration for process applications in HVAC and clean room systems with high air flow rates.

OPTIONS

Frame material	Stainless steel; galvanised steel
Gasket	EPDM flat gasket 1 or 2 sides; U-profile gasket 1 or 2 sides



The filters used in the application areas are electrically conductive and comply with the European ATEX directive 2014/34/EU for products used in explosive atmospheres.

Aircube & Nanoclass Cube N Pro ATEX are certified according to EN 13501-1:2010 in flammability class E and droplet formation class d0.

Aircube / Nanoclass Cube N Pro ATEX

PERFORMANCE DATA

Article No.*		Filter Class		Dimensions	Flow Rate	Pressure Drop**
		ISO 16890	EN 1822	mm	m ³ /h	Pa
800494050848	Aircube N Pro ATEX	ePM1 55%		610 x 610 x 292	4,000	160
800494050850	Aircube N Pro ATEX	ePM1 80%		610 x 610 x 292	4,000	170
800514050852	Nanoclass Cube N Pro ATEX		E11	610 x 610 x 292	3,400	190
800514000002	Nanoclass Cube N Pro ATEX		H13	610 x 610 x 292	4,000	290
800514027851	Nanoclass Cube N Pro ATEX		H14	610 x 610 x 292	3,400	270

* Catalogue items are constructed with stainless steel frames and feature a gasket on the dirty side.

** Pressure drop tolerance \pm 10%

SPECIFICATION

Recommended air flow	Flow rate \pm 20 %	Rec. final pressure for efficient energy use acc. to EN 13053 (Aircube)	Lowest value of initial pressure drop + 100 Pa, or initial pressure drop x 3
Heat resistance	Max. 120 °C	Recommended final pressure drop (Nanoclass Cube)	600 Pa
Regenerable	No	Moisture resistance	100 % rel. humidity
Fire classification	E d0 according EN 13501-1:2010	Incinerable	No

ZONE AUTHORIZATION

Filters are authorized, depending on their filtration classes, for use in the following zones with the listed flammable substances.

Substance	Zone	Explosion Group
Dust	Zone 20, Zone 21, Zone 22	IIIA – Flammable lints and flocculation IIIB – Isolating, non-conductive dust
Gases	Zone 0, Zone 1, Zone 2	IIA – Diesel, petrol, ethane, etc IIB – Town gas, ethylene, etc IIC – Hydrogen, acetylene, etc