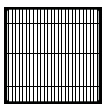


# Airsquare / Nanoclass

## Square Pro ATEX

### Product Range



### Features



EX

### Applications



### Filter Class



### KEY FACTS

- Various dimensions and extrusion types
- High-quality, anodized aluminum frame with stainless steel grid protection
- Filter series tested according to EN 13501-1:2010 as E d0

### DESIGN

Pleated cells with state-of-the-art hotmelt spacing technology to ensure even spacing of the pleats. Stainless steel grid protection with dry sealing.

### APPLICATIONS

Fine dust and HEPA filtration for process applications in HVAC and clean room systems.



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.

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

# Airsquare / Nanoclass

## Square Pro ATEX

### PERFORMANCE DATA

Article No.		Filter Class		Dimensions	Flow Rate	Pressure Drop*
		EN 1822	ISO 16890	mm	m <sup>3</sup> /h	Pa
800424050859	Airsquare Pro ATEX FC		ePM1 55%	610 x 610 x 70	2,000	90
800424050858	Airsquare Pro ATEX FC		ePM1 80%	610 x 610 x 70	2,000	140
800524051158	Nanoclass Square Pro ATEX FC	E11		610 x 610 x 70	600	80
800424050122	Nanoclass Square Pro ATEX FC	H13		610 x 610 x 70	600	95
800424050863	Nanoclass Square Pro ATEX FC	H14		610 x 610 x 70	600	105

\* Pressure drop tolerance  $\pm 10\%$

### SPECIFICATION

Recommended air flow	Flow rate $\pm 20\%$	Recommended final pressure drop	450 Pa (Airsquare) 600 Pa (Nanoclass Square)
Heat resistance	Max. 70 °C	Moisture resistance	100 % rel. humidity
Regenerable	No	Incinerable	No
Fire classification	E d0 according EN 13501-1:2010		

### OPTIONS

Extrusions	Various extrusion types available
Gasket	1 or 2 sides

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