

# Airsquare / Nanoclass Square Pro ATEX

## Product Range



## Features

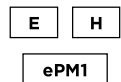


EX

## 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.

## OPTIONS

<b>Extrusions</b>	Various extrusion types available
<b>Gasket</b>	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.

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*
		ISO 16890	EN 1822	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 ± 10%

## SPECIFICATION

<b>Recommended air flow</b>	Flow rate ± 20 %	<b>Rec. final pressure for efficient energy use acc. to EN 13053</b> (Airsquare)	Lowest value of initial pressure drop + 100 Pa, or initial pressure drop x 3
<b>Heat resistance</b>	Max. 70 °C	<b>Recommended final pressure drop</b> (Nanoclass Square)	600 Pa
<b>Regenerable</b>	No	<b>Moisture resistance</b>	100 % rel. humidity
<b>Fire classification</b>	E d0 according EN 13501-1:2010	<b>Incinerable</b>	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
<b>Dust</b>	Zone 20, Zone 21, Zone 22	IIIA - Flammable lints and flocculation IIIB - Isolating, non-conductive dust
<b>Gases</b>	Zone 0, Zone 1, Zone 2	IIA - Diesel, petrol, ethane, etc IIB - Town gas, ethylene, etc IIC - Hydrogen, acetylene, etc