

REDClean® Oval NFR-E



Nanofibre Flame Retardant Earthing Cartridge

REDClean® Oval NFR-E is a high-performance cartridge that consists of a blend of cellulose and synthetic fibres with a nanofibre outer layer. This enables it to collect the smallest particles, preventing them from penetrating the media. In this way, the durability of the media is increased and the cartridge lifecycle extended, so that the frequency of replacement is significantly reduced.

Designed with an oval shape, it also has a flame retardant finish, which slows down combustion and flame propagation, increasing safety in case any incandescent particles reach the media.

Additionally, it has been designed as **earthed**, making it appropriate for handling potentially explosive dust, complying with the *ATEX* directive.

Through extensive research and development, AAF has developed the **REDClean®** range of cartridges, suitable for the most arduous applications, which offers superior performance and increased efficiency, reducing the total cost of ownership.

REDClean® Oval NFR-E is the most suitable media for cartridge collectors designed to fit with oval shaped filters.

- ▶ Nanofibre-based technology, leading the filtration market
- ▶ F9 efficiency (EN779)
- ▶ Excellent particle retention and dust release
- ▶ Flame retardant treatment to reduce fire risk
- ▶ Suitable for potentially explosive atmospheres
- ▶ Less compressed air consumption
- ▶ Maximum service life
- ▶ Reduced maintenance costs



Overview

Part Number	CO0015CAAKB0000	
Rated Airflow	up to 900 m³/h	up to 530 CFM
Filter Area	17.7 m²	190 sqft
Maximum Operating Temp	80 °C	176 °F

Warnings

Avoid gases over 80°C containing acid and moisture/steam not to cause hydrolysis

Not suitable for high humidity applications

Not suitable for highly hygroscopic products

Industrial Applications

Metal processing: thermal laser cutting, plasma cutting, oxy-fuel cutting; metallising; shot blasting; welding fumes; etc.

Food, chemical, pharmaceutical and textile industries

Foundries and furnaces

Filter Media Details

Media Composition

Synthetic cellulose blend with
REDClean® nanofibre

Area/Weight

130 g/m²

Nanofibre

Yes

Efficiency Classification

F9 / EN779:2012

Chemical Resistance

Acids	Fair
Alkalis	Fair

Flame Retardant

Yes

Earthed

Yes

Construction

Open

End Caps

Galvanised Steel

In/Outside Liner

Galvanised Steel

Gasket

EPDM Rubber

Shape

Oval

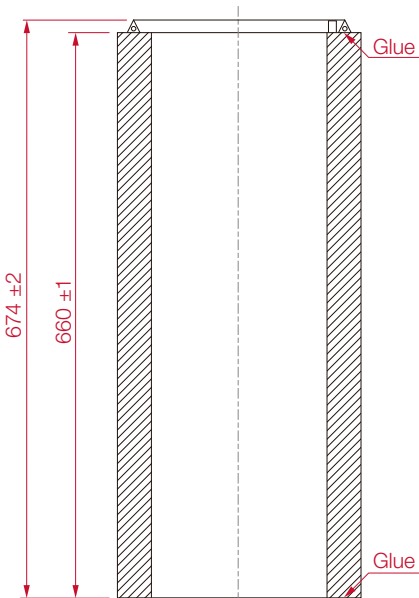
Dimensions

Outer diameter

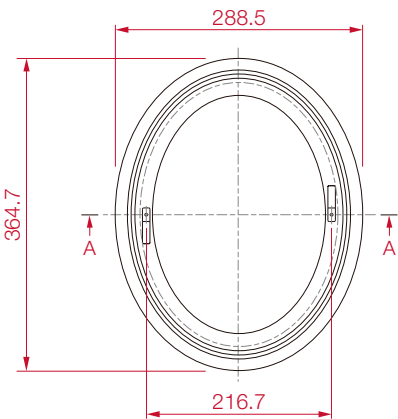
365/289 mm

Length

660 mm



Section A-A



POWERED BY

REDClean® Media

American Air Filter Company, Inc. has a policy of continuous product improvement. This document is provided for informal review and establishes no commitment or contract. We reserve the right to change any designs, specifications and products without notice, and we make no warranties regarding the subject matter of this document. Any use, copying or distribution of this document or any part of this document without our permission is prohibited.

© 2023 American Air Filter Company, Inc.

APC.RC-OVNFRE.DS.EN.0223.2

aafintl.com



Bringing clean air to life.®