

CARTEX CARTRIDGE FILTERS

1.3.3 OVAL FILTERS



*“For a Cleaner, Safer and Eco Friendly
Working Environments”*

airprocontrol.com



AIR FILTER | CARTEX

CARTEX Cartridge Filters

Welcome to APC Airprocontrol, your premier destination for a comprehensive range of industrial Cartridge Filters designed to excel in diverse environments, from ATEX Explosive Atmospheres to oily and moist conditions. Our filters are engineered with exceptional resistance and functionality, ensuring optimal performance and reliability across various industrial applications.



Filter Media: Our filters are crafted using a variety of premium materials such as Fiberglass, Cellulose Synthetic, BICO Polyester, PTFE, and more. For surface load filtration, we employ NANO coating technology, enhancing efficiency on fine particles, reducing pressure drop, and improving dust cake release for extended filtration performance.

High Corrugation and Pleating: Advanced pleating methods combined with high corrugation ensure ideal performance in Dust collection systems, offering superior dust capture and filtration efficiency.

Specialized Variants: We offer specialized variants for explosive industrial environments, including conductive filter media with Aluminum coating or Carbon impregnation. Our filters also meet Flame Retardant F1 standards according to DIN 53438, ensuring safety and reliability.

Handling Oily and Moist Air: Our filters are equipped to handle oily and mist-laden air with an omniphobic coating, providing effective filtration and maintenance of air quality.

Filter Media Types

Cellulose Blend Corrugated NANO Coated	Cellulose Blend Corrugated NANO Coated Conductive	Polyster NANO Coated Corrugated	Polyester Aluminium NANO Coated Corrugated	Polyester Aluminium NANO Coated Omniphobic

OVAL Cartridge Filters

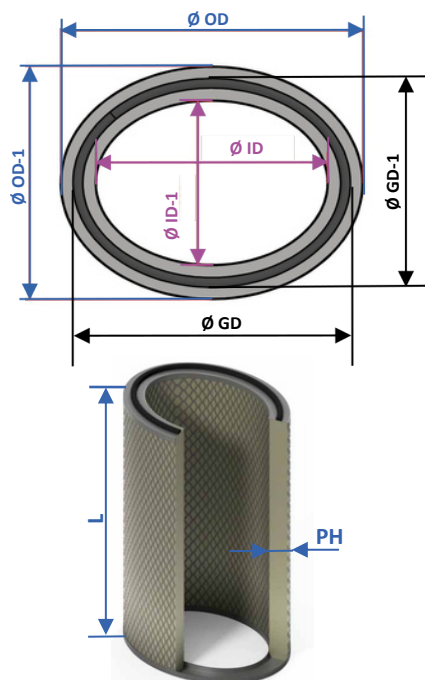
Our Oval Cartridge filter retrofit stands out for its innovative design featuring self-corrugated nano-coated flame-retardant media. This advanced construction not only enhances breathability but also significantly improves efficiency compared to standard filters. We offer a range of options, including EX models, complemented by 3D Carbon Impregnated conductive or Aluminum surface conductive materials. These options ensure optimal performance across various applications, meeting the highest standards of filtration and safety.





CARTEX OVAL SERIES DFO CARTRIDGE FILTERS

CG-FR-Ø365/279-289/203



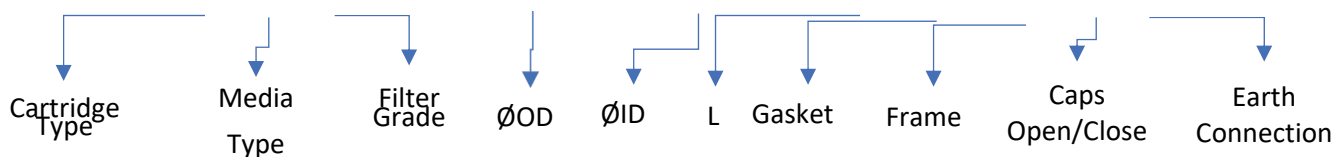
OD	Outer Diameter	Ø 365 mm	14,37 inch
OD-1	Outer Diameter 1	Ø 289 mm	11,38 inch
ID	Inner Diameter	Ø 279 mm	10,98 inch
ID-1	Inner Diameter 1	Ø 203 mm	7,99 inch
GD	Gasket Diameter	Ø 322 mm	12,68 inch
GD-1	Gasket Diameter 1	Ø 246 mm	9,69 inch
L	Length	600 mm	23,62 inch
		660 mm	25,98 inch
		1.000 mm	39,37 inch

CN Series			
Filter Area			
Pleat Number			
PN Series			
Filter Area			
Pleat Number			
Pleat Height			
End Cap			
Construction			
Shape			
Filter Gasket			
Earthing			
Flame Retardant			
Media Surface			
Efficiency Class			

600 mm	660 mm	1000 mm
10,8 m²	11,8 m²	20,8 m²
115,84 ft²	127,42 ft²	223,89 ft²
236 pcs	236 pcs	236 pcs
600 mm	660 mm	1000 mm
7,5 m²	8,3 m²	12,5 m²
165 pcs	165 pcs	165 pcs
38 mm	1,50 inch	
Open/Open or Open/Closed		
Galvanized Steel		
Round		
Above Top End Cap		
Optional		
Yes F1		
NANO - Corrugated		
ePM1 80% @ ISO16890 / F9 @ EN779		
Merv 15 @ ASHRAE 52.2		

APC CODE CHART

CG-CN-F9-FR-Ø365/279-289/203x660-GED-FIO-OC-E



Code	Description	Code	Description
CG	Cartridge Galvanized	OC	Open Upstream - Close Downstream
CS	Cartridge Stainless Steel	GN	No Gasket
CN	Cellulose Blend Nano Corrugated	GPD	Gasket Polyurethane Downstream
PN	Polyester Nano	GED	Gasket EPDM Downstream
PT	Polyester PTFE Teflon	FI	Frame Inlet
FR	Flame Retardant	FO	Frame Outlet
HO	Omniophobic	FIO	Frame Inlet Outlet
EX	Models are Conductive Media		Earthed Structure
OO	Open Upstream - Open Downstream		

CARTEX OVAL SERIES

DFO CARTRIDGE FILTERS

Media Data

CN-F9-FR	CN-F9-FR-EX	PN-F9-FR	PN-F9-FR-EX	PT-HO-F9-FR-EX
Cellulose Blend Corrugated NANO Coated FR	Cellulose Blend NANO Coated Carbon impregnated Corrugated FR	Polyester NANO Coated Corrugated FR	Polyester Aluminium NANO Coated Corrugated FR	PTFE Omniophobic Conductive FR
				
Appearance				
Off-white, Corrugated	Black, Corrugated	Grey, Corrugated	Grey, Corrugated	Grey, Corrugated
Air Permeability @ 200 Pa				
530 m ³ /m ² /h	590 m ³ /m ² /h	800 m ³ /m ² /h	800 m ³ /m ² /h	800 m ³ /m ² /h
Basis Weight				
135 g/m ²	145 g/m ²	240 g/m ²	240 g/m ²	240 g/m ²
Thickness				
0,35 mm	0,32 mm	0,57 mm	0,59 mm	0,59 mm
Temperature Resistance Continuous & Peaks				
65 °C 149 °F	65 °C 149 °F	80 °C 176 °F	80 °C 176 °F	80 °C 176 °F
80 °C 176 °F	80 °C 176 °F	120 °C 248 °F	120 °C 248 °F	120 °C 248 °F
Filter Test				
BIA / EN779:2012	BIA / EN779:2012 M / F-9	EN779 - F9 ePM1 85-90% ISO 16890-2	EN779 - F9 ePM1 85-90% ISO 16890-2	EN779 - F9 ePM1 85-90% ISO 16890-2
Hydrolysis - Omniophobic				
N/A	Fair	Fair	Good	Excellent
Acids				
Poor	Fair	Fair	Very Good	Very Good
Alkalis				
Fair	Fair	Fair	Very Good	Very Good
Oxidising Agents				
Poor	Poor	Poor	Good	Good
Organic Solvents				
Fair	Fair	Fair	Good	Good
Abrasion Resistance				
Good	Good	Very Good	Very Good	Very Good
Dust Release				
Corrugated NANO Very Good	Corrugated NANO Very Good	Corrugated NANO Excellent	Corrugated NANO Excellent	Corrugated NANO Excellent
Conductivity				
N/A	Excellent	Excellent N/A	Yes ≤ 10 ⁸ Ω	Yes ≤ 10 ⁸ Ω
Supports Combustion				
F1-Flame Retardant	F1-Flame Retardant	F1-Flame Retardant	F1-Flame Retardant	F1-Flame Retardant

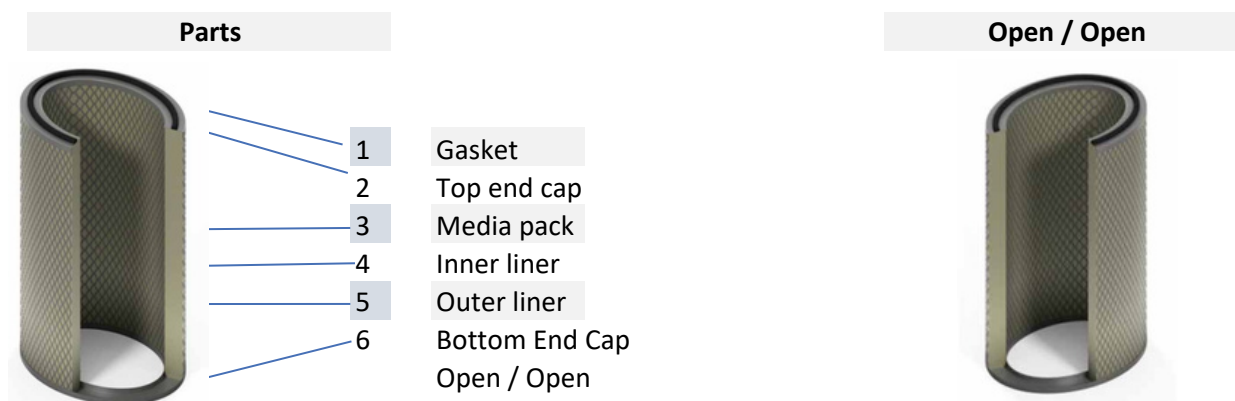


CARTEX OVAL SERIES DFO CARTRIDGE FILTERS

APC Part Number

Part Number	Code
14420	CG-CN-F9-FR-Ø365/279-289/203x660-GED-FIO-OO
18524	CG-CN-F9-FR-EX-Ø365/279-289/203x660-GED-FIO-OO
18523	CG-PN-F9-FR-Ø365/279-289/203x660-GED-FIO-OO
18522	CG-PN-F9-FR-EX-Ø365/279-289/203x660-GED-FIO-OO
19740	CG-PT-HO-F9-FR-EX-Ø365/279-289/203x660-GED-FIO-OO

“Other dimensions are available on request.”



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INDUSTRIES

PHARMA

COMPOSITE

METAL-LASER/PLASMA

METAL-WELDING

CHEMICAL

FOOD

RUBBER

GLASS

PAPER

TEXTILE

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