Activated carbon compressed air filter A F030 3" 46000 l/min 0.01 µm <0.005 mg/m³ - final

450220-A









Product details

EAN	8712418411898
GPSR Airpress	Airpress Polska Sp. z o.o.
Weight	18 kg
Length	242 mm (2.42 dm)
Width	242 mm (2.42 dm)
Height	999 mm (9.99 dm)
Diameter (mm)	242
SKU	450220-A
Series	A
Housing material	Aluminium
Element material	Borosilicate micro fibres (activ. carbon)
Type condensation drain	Manual
Replaceable cartridge	Yes
Distance sensor	No
Pressure reducer	No
Residual oil content (mg/m3)	<0.005
Air connection (")	3
Working pressure (bar)	0 - 16
Maximum pressure (bar)	16
Minimum ambient temperature (°C)	1.5
Maximum ambient temperature (°C)	45
Filter type	Activated carbon
Micron rating (µm)	0.01
Air flow rate (L/min)	46000
Air flow rate (m3/h)	2760

Description

Compressed Air Filter with Activated Carbon A F030 3" 46000 l/min 0.01µm <0.005 mg/m³ - Final Filter
The Airpress series A compressed air filter with activated carbon has been developed for high-performance

removal of oil, hydrocarbons, vapours and odours from compressed air. It is essential to install a coalescing filter element as a pre-filter before the Class A filter. The Airpress series A compressed air filter with activated carbon provides ultra-clean air, making it an ideal solution as a final filter in compressed air systems. Equipped with a molecular sieve activated carbon insert, it achieves a filtration degree of 0.01 µm, resulting in the removal of oil particles to a level of no more than <0.005 mg/m³.

Technical Specification

Filter Type: Final filter, achieves a filtration degree of 0.01 µm – removes oil particles to a level of no more than <0.005 mg/m³

Included in the set: housing, insert, compact ball valve

Working Pressure: 0 - 16 bar

Property	Value
SKU	450220A-A
Series	A
Air Flow (l/min)	46000
Filtration Accuracy (µm)	0.01
Max Pressure (bar)	16
Ambient Temperature Range (°C)	1.5 - 45
Connection	3
Dimensions A (height, mm)	999
Dimensions B (diameter, mm)	242
Weight (kg)	18

SKU	Series	Air Flow (l/min)	Filtration Accuracy (µm)	Max Pressure (bar)	Ambient Temperature Range (°C)	Connection	A - Height (mm)	B - Diameter (mm)	Weight (kg)
450220A-A	A	46000	0.01	16	1.5 - 45	3"	999	242	18

Materials

Filter Element: Borosilicate micro fibres (activ. carbon) (activated carbon) (filter material)

Filter Housing: Aluminium (housing)

Note! The indicator is an optional extra and is not included in the standard set.

The following types of filters and microfilters are available from Airpress

Type	Description
P	Pre-filters, filtration degree 3 µm.
R	Pre-filters, filtration degree 1 µm.
M	Microfilter 0.1 µm, oil residue ≤ 0.1 mg/m³.
S	Microfilter 0.01 µm, oil residue ≤ 0.01 mg/m³.
A	Activated carbon insert 0.01 µm, oil ≤ 0.005 mg/m³.
A2	Molecular sieve insert, 0.01 µm, oil < 0.005 mg/m³, class 0/1 ISO 8573-1.

Code	Type	Filtration Degree	Oil Residue	ISO 8573-1 Class
P	Pre-filter	3 µm	–	–
R	Pre-filter	1 µm	–	–
M	Microfilter	0.1 µm	≤ 0.1 mg/m³	–
S	Microfilter	0.01 µm	≤ 0.01 mg/m³	–
A	Activated Carbon	0.01 µm	≤ 0.005 mg/m³	–
A2	Molecular Sieve	0.01 µm	< 0.005 mg/m³	0 / 1

Our offer includes filters with various filtration classes, tailored to the specific air quality requirements in compressed air systems.

