Compressed air filter S F030 1" 5585 l/min 0.01 µm <0.01 mg/m³ - precise

450150A-S









Product details

EAN	8712418395921
Brand	Airpress
GPSR Airpress	Airpress Polska Sp. z o.o.
Weight	2.8 kg
Length	125 mm (1.25 dm)
Width	125 mm (1.25 dm)
Height	361 mm (3.61 dm)
Diameter (mm)	125
SKU	450150A-S
Series	S
Housing material	Aluminium
Element material	Borosilicate micro fibres
Type condensation drain	Automatic
Replaceable cartridge	Yes
Distance sensor	No
Pressure reducer	No
Residual oil content (mg/m3)	<0.01
Air connection (")	1
Working pressure (bar)	0 - 16
Maximum pressure (bar)	16
Minimum ambient temperature (°C)	1.5
Maximum ambient temperature (°C)	65
Filter type	Microfilter
Micron rating (µm)	0.01
Air flow rate (L/min)	5585
Air flow rate (m3/h)	335

Description

Compressed S F018 1" 5585 l/min 0.01µm <0.01 mg/m³ - Microfilter
The S series compressed air filter is a high-performance and very precise particulate filter, designed to remove solid contaminants and oil aerosols. These are coalescing filters, which are a key component in compressed air treatment systems, providing protection for end devices. The S series filters effectively reduce oil content in the air to <0.01 mg/m³ (at 20°C, 7 bar) and solid particles to 0.01µm. These filters often act as a second stage of filtration, placed after pre-filters and before finer or carbon filters.
Technical Specification
Filter Type: Microfilter, filtration degree with respect to particles sized 0.01µm and regarding oil residue <0.01 mg/m³
Automatic condensate drain
The set includes: housing, filter element, AOK16B condensate drain
Working pressure: 0 - 16 bar

Property	Value
SKU	450150A-S
Series	S
Air flow (l/min)	5585
Filtration accuracy (µm)	0.01
Max. pressure (bar)	16
Ambient temperature range (°C)	1.5 - 65
Connection	1
Dimensions A (height, mm)	361
Dimensions B (diameter, mm)	125
Weight (kg)	2.8

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)
450150A-S	S	5585	0.01	16	1.5 - 65	1"	361	125	2.8

Materials
Filtering element: Borosilicate micro fibres (filtering material)
Filter housing: Aluminium (housing), PA6 (cover), NBR (sealing), with corrosion protection (powder coat)
Automatic condensate drain: PA6 (housing), NBR (sealing)
Note! The indicator is an additional option and is not included in the standard set.
The following types of filters and microfilters are available in the Airpress offer

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	–

Code	Type	Filtration degree	Oil residue	ISO 8573-1 Class
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.