Compressed air filter S F007 1/2" 1300 l/min 0.01 µm <0.01 mg/m³ - precise

450120A-S









Product details

EAN	8712418395716
Brand	Airpress
GPSR Airpress	Airpress Polska Sp. z o.o.
Weight	0.8 kg (800 g)
Gross weight	0.92 kg (920 g)
Length	88 mm (8.8 cm)
Width	88 mm (8.8 cm)
Height	189 mm (1.89 dm)
Diameter (mm)	88
SKU	450120A-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 (")	1/2
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)	1300
Air flow rate (m3/h)	78

Description

Compressed Air Filter S F007 1/2" 1300 l/min 0.01µm <0.01 mg/m³ - Microfilter
The S series compressed air filter is a high-performance and highly precise particulate filter designed to remove solid contaminants and oil aerosols. These coalescing filters are a key component in compressed air preparation systems, providing protection for downstream equipment. The S series filters effectively reduce the oil content in the air to below <0.01 mg/m³ (at 20°C, 7 bar) and solid particles down to 0.01µm. These filters often serve as the second stage of filtration, placed after pre-filters and before finer or carbon filters.
Technical Specification
Filter Type: Microfilter, filtration degree concerning particles of size 0.01µm and oil residue <0.01 mg/m³
Automatic condensate drainage
The set includes: housing, cartridge, condensate drain AOK16B
Working pressure: 0 - 16 bar

Property	Value
SKU	450120A-S
Series	S
Air flow (l/min)	1300
Filtration accuracy (µm)	0.01
Max. pressure (bar)	16
Ambient temperature range (°C)	1.5 - 65
Connection	1/2
Dimensions A (height, mm)	189
Dimensions B (diameter, mm)	88
Weight (kg)	0.8

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)
450110A-S	S	1300	0.01	16	1.5 - 65	1/2"	189	88	0.8

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

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	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.

