Compressed air filter S F005 3/8" 1000 l/min 0.01 µm <0.01 mg/m³ - precise

450110A-S









Product details

EAN	8712418395693
Brand	Airpress
GPSR Airpress	Airpress Polska Sp. z o.o.
Length	88 mm (8.8 cm)
Width	88 mm (8.8 cm)
Height	189 mm (1.89 dm)
Diameter (mm)	88
SKU	450110A-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 (")	3/8
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)	1000
Air flow rate (m3/h)	60

Description

Compressed Air Filter S F005 3/8" 1000 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 that play a key role in compressed air preparation systems, providing protection for end devices. The S series filters effectively reduce oil content in the air to a level of <0.01 mg/m³ (at 20°C, 7 bar) and solid particles to a level of 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	450110A-S
Series	S
Air flow (l/min)	1000
Filtration accuracy (µm)	0.01
Max. pressure (bar)	16
Ambient temperature range (°C)	1.5 - 65
Connection	3/8
Dimensions A (height, mm)	189
Dimensions B (diameter, mm)	88
Weight (kg)	

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	1000	0.01	16	1.5 - 65	3/8"	189	88	

Materials
Filtering element: Borosilicate micro fibres (filtering material)
Filter housing: Aluminium (housing), PA6 (cover), NBR (seal), with corrosion protection (powder coating)
Automatic condensate drainage: PA6 (housing), NBR (seal)
Note! The indicator is an optional add-on 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 cartridge 0.01 µm, oil ≤ 0.005 mg/m³.
A2	Molecule sieve cartridge, 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.

