Compressed air filter S F094 2" 16667 l/min 0.01 µm <0.01 mg/m3 - microfilter

450180A-S









Product details

EAN	8712418432572
Brand	Airpress
GPSR Airpress	Airpress Polska Sp. z o.o.
Weight	6.5 kg
Length	164 mm (1.64 dm)
Width	164 mm (1.64 dm)
Height	944 mm (9.44 dm)
Diameter (mm)	164
SKU	450180A-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 (")	2
Working pressure (bar)	0-16
Maximum pressure (bar)	16
Minimum ambient temperature (°C)	1.5
Maximum ambient temperature (°C)	65
Filter type	Post-filter
Micron rating (µm)	0.01
Air flow rate (L/min)	16667
Air flow rate (m3/h)	1000

Description

Compressed Air Filter S F094 2" 16667 l/min 0.01µm <0.01 mg/m³ - Post-filter
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 serve as the 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	450180A-S
Series	S
Air flow (l/min)	16667
Filtration accuracy (µm)	0.01
Max. pressure (bar)	16
Ambient temperature range (°C)	1.5 - 65
Connection	2
Dimensions A (height, mm)	944
Dimensions B (diameter, mm)	164
Weight (kg)	6.5

SKU	Series	Airflow (l/min)	Filtration accuracy (µm)	Max. pressure (bar)	Ambient temperature range (°C)	Connection	A - height (mm)	B - diameter (mm)	Weight (kg)
450180A-S	S	16667	0.01	16	1.5 - 65	2"	944	164	6.5

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 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	Active 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.