Compressed air microfilter (precise filter) M F047 | 1 1/2" | 8500 l/min | 0.1 µm | <0.1 mg/m³

450160A-M





Product details

EAN	8712418398311
Brand	Airpress
GPSR Airpress	Airpress Polska Sp. z o.o.
Weight	3.78 kg
Length	125 mm (1.25 dm)
Width	125 mm (1.25 dm)
Height	461 mm (4.61 dm)
Diameter (mm)	125
SKU	450160A-M
Series	M
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)	<0.1
Air connection (")	1 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)	0.1
Air flow rate (L/min)	8500
Air flow rate (m3/h)	510

Description

Compressed air filter M (Microfilter) F047 | 1 1/2" | 8500 l/min | 0.1 µm | <0.1 mg/m³
The M compressed air filters are high-performance dust filters, designed to remove solid contaminants and oil aerosols. These coalescing filters are a key component in compressed air treatment systems, providing protection to end-use equipment. The M filters effectively reduce the oil content in the air to a level of <0.1 mg/m³ (at 20°C, 7 bar) and solid particles to a level of 0.1 µm. They are often used as the second stage of filtration, positioned after prefilters and before finer or carbon filters.
Technical specification
Filter type: microfilter, filtration efficiency for particles of size 0.1 µm and for residual oil content <0.1 mg/m³
Automatic condensate drain
Included in the set: housing, cartridge, condensate drain AOK16B
Working pressure: 0 - 16 bar

Characteristic	Value
SKU	450160A-M
Series	M
Air flow (l/min)	8500
Micron rating (µm)	0.1
Max. pressure (bar)	16
Ambient temperature range (°C)	1.5-65
Connection size	1 1/2
Dimension A (height, mm)	461
Dimension B (diameter, mm)	125
Weight (kg)	3.78

SKU	Series	Air flow (l/min)	Micron rating (µm)	Max. pressure (bar)	Ambient temperature range (°C)	Connection size	A - height (mm)	B - diameter (mm)	Weight (kg)
450160A-M	M	8500	0.1	16	1.5-65	1 1/2"	461	125	3.78

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 air treatment filters are available in the Airpress offer:

Type	Description
P	Prefilter, filtration grade 3 µm.
R	Prefilter, filtration grade 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	Molecular sieve cartridge, 0.01 µm, oil < 0.005 mg/m³, class 0/1 ISO 8573-1.