Compressed air microfilter (precise filter) M F240 | 3" | 46000 l/min | 0.1 µm | <0.1 mg/m³

450220-M









Product details

EAN	8712418411881
GPSR Airpress	Airpress Polska Sp. z o.o.
Length	140 mm (1.4 dm)
Width	140 mm (1.4 dm)
Height	750 mm (7.5 dm)
Diameter (mm)	242
SKU	450220-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 (")	3
Working pressure (bar)	0 - 16
Maximum pressure (bar)	19
Minimum ambient temperature (°C)	1.5
Maximum ambient temperature (°C)	65
Filter type	Microfilter
Micron rating (µm)	0.1
Air flow rate (L/min)	46000
Air flow rate (m3/h)	2760

Description

Compressed air filter M (Microfilter) F240 | 3" | 46000 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	450220-M
Series	M
Air flow (l/min)	46000
Micron rating (µm)	0.1
Max. pressure (bar)	19
Ambient temperature range (°C)	1.5-65
Connection size	3
Dimension A (height, mm)	750
Dimension B (diameter, mm)	242
Weight (kg)	

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)
450220-M	M	46000	0.1	19	1.5-65	3"	750	242	

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.