# Compressed air microfilter (precise filter) M F018 | 1" | 3300 l/min | 0.1 µm | <0.1 mg/m³

450140A-M





## Product details

| | |
|---|---|
| EAN | 8712418396218 |
| Brand | Airpress |
| GPSR Airpress | Airpress Polska Sp. z o.o. |
| Weight | 1.1 kg |
| Length | 125 mm (1.25 dm) |
| Width | 125 mm (1.25 dm) |
| Height | 361 mm (3.61 dm) |
| Diameter (mm) | 125 |
| SKU | 450140A-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 |
| 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) | 3300 |
| Air flow rate (m3/h) | 198 |

# Description

Compressed air filter M (Microfilter) F018 | 1" | 3300 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 | 450140A-M |
| Series | M |
| Air flow (l/min) | 3300 |
| Micron rating (µm) | 0.1 |
| Max. pressure (bar) | 16 |
| Ambient temperature range (°C) | 1.5-65 |
| Connection size | 1 |
| Dimension A (height, mm) | 361 |
| Dimension B (diameter, mm) | 125 |
| Weight (kg) | 1.1 |

| 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) |
|---|---|---|---|---|---|---|---|---|---|
| 450140A-M | M | 3300 | 0.1 | 16 | 1.5-65 | 1" | 361 | 125 | 1.1 |

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. |