

# spirax sarco

## MF2M

TI-P504-01  
CH Issue 2

Manual  
Drain   
International Symbol

## Monnier Miniature Compressed Air Filter

### Description

The MF2M Monnier miniature compressed air filter provides high quality compressed air for general purpose pneumatic applications.

### Principal features:

- Compact unit suitable where space is limited and air flow is small.
- Multi-bladed whirl disc for improved moisture separation.
- Polycarbonate bowl.
- Long life 5 µm element.
- External black anodised finish.

### Optional extras

For further technical information regarding the following options see page 3:

- Type 3 mounting bracket.
- Easy fit stainless steel bowl guard.

### Sizes and pipe connections

¼" screwed BSP (BS 21-Rp).

### Operating limits

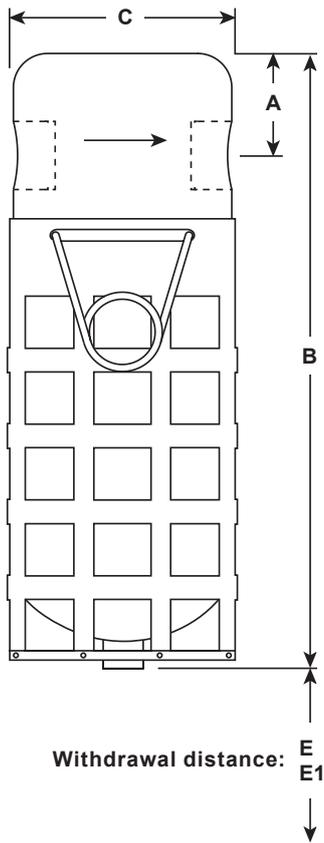
Maximum working pressure	10 bar g
Maximum working temperature	50 °C

### Materials

Part	Material
Bowl	Polycarbonate
Head	Aluminium
Element	Sintered polypropylene
Seals	Nitrile rubber
Bowl guard	Stainless steel



**Dimensions (approximate) in mm and kg**



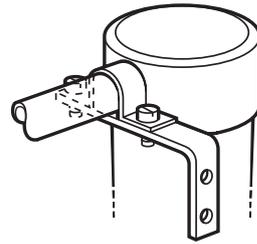
Withdrawal distance: E  
E1

A	B	C	E	E1	Weight
10	98	38	25	76	0.155

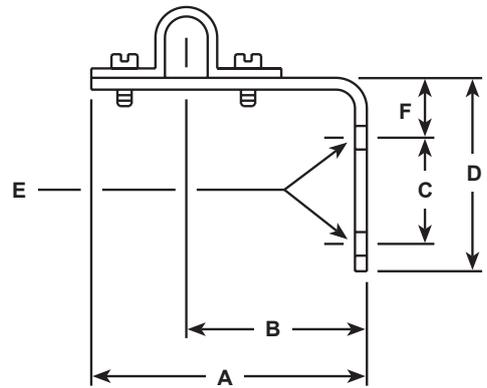
**Optional extras**

**Type 3 mounting bracket**

This is a zinc plated, mild steel angle bracket which can be attached to any flat surface by means of screws or bolts.

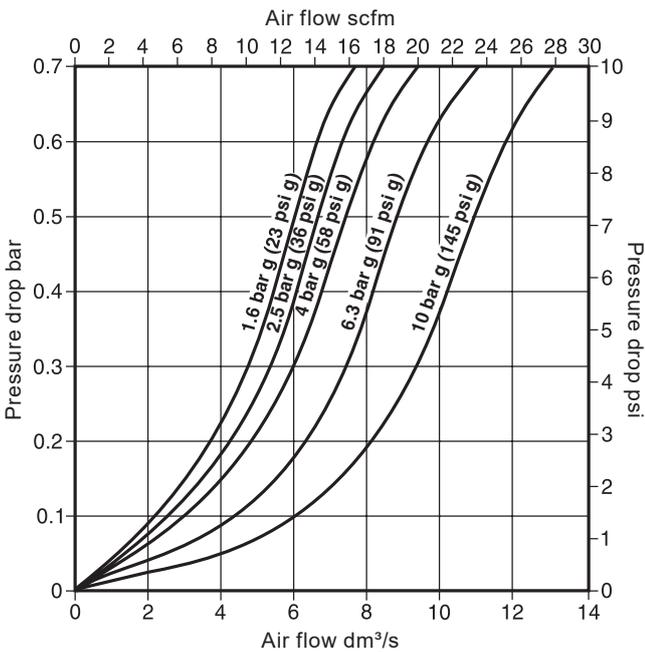


**Dimensions (approximate) in mm**



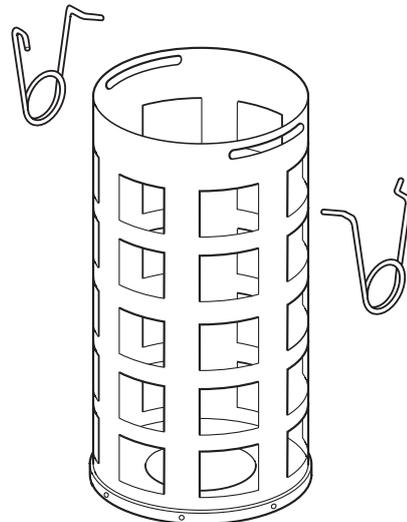
A	B	C	D	E	F
75	50	25	65	13	20

**Capacities**



**Bowl guard**

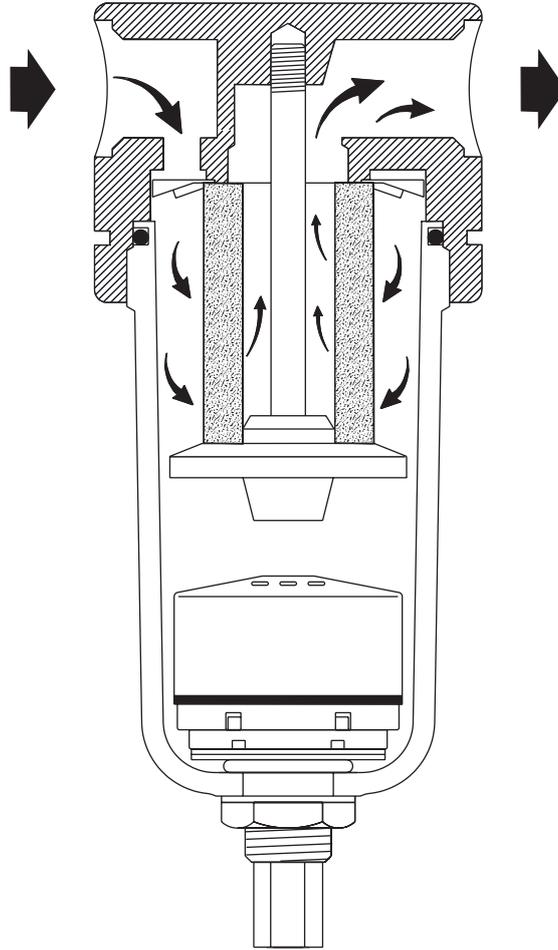
In the interest of safety Spirax Sarco recommend that a bowl guard should be fitted - see the 'Warning' under 'Safety information, installation and maintenance'.



## Principle of operation

Monnier air line filters are built to ensure solid and liquid contaminants are removed from compressed air.

All Monnier filters are engineered with the exclusive Whirl-Away design which creates high centrifugal force with low pressure drop. The whirling action forces all liquids and solids against the bowl wall causing them to run down below the quiet-zone baffle where they can be drained out. The air then flows through the element where the smaller particles are removed and the filtered air passes downstream. The leak proof drain valve has an o-ring seal that can be opened and closed without tools.



## Safety information, installation and maintenance

For full details see the Installation and Maintenance Instructions (IM-P504-02) supplied with the product.

### Warning:

Polycarbonate bowls are attacked by phosphate ester fluids, solvents, paint thinners and carbon tetrachloride. These and similar substances should never be allowed to come into contact with the bowl. Certain compressor lubricating oils also contain additives harmful to polycarbonate and, where there is any doubt we recommend, in the interests of safety, that a bowl guard should be fitted.

### Installation note:

Fit into a horizontal pipeline with the air flow in the direction of the arrow and the bowl vertically downwards, as close as possible to the equipment it is protecting.

### How to order

**Example:** 1 off MF2M Monnier miniature compressed air filter having ¼" screwed BSP connections.

**Note:** If any optional extras are required they must be clearly specified when placing an order.

## Spare parts

The spare parts available are detailed below. No other parts are supplied as spares.

### Available spares

Bowl assembly	A, B
Element set 5 micron (packet of 3)	B, C
Bowl guard assembly	D, E

### How to order spares

Always order spares by using the description given in the column headed 'Available spares' and state the size and type of unit.

**Example:** 1 - Element set (5 microns) for a ¼" MF2M Monnier miniature compressed air filter.

