



**MultiForm filter elements** are made of micro-fibreglass fleece which is pleated to form a stable package of folds; the number and the height of the folds are optimally designed to match operating conditions; peripheral but merged synthetic strips keep individual pleats at a distance along the entire pleat depth and ensure greater stability and complete utilisation of the entire filter surface; the individual filter plates are arranged in a V-shape (in 3 or 4 compartments) inside a synthetic frame made of ABS, so as to assure a stable form of the filter plates, and are glued to assure air-tightness.

Grip protection can be optionally selected for both sides of the filter element.

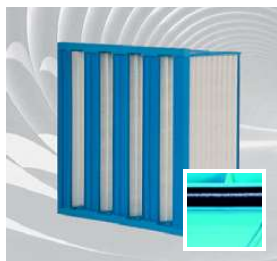
*Ambient conditions:* Operating temperature (max. °C)  
Maximum relative air humidity: 100 %

### Type code

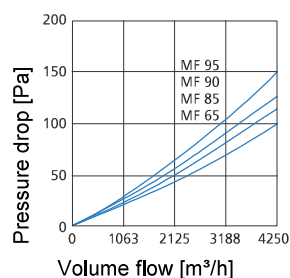
Example:

**M F    9 5   -   6   /   B A 2    G 2**

Product name		Type	Size code (rated size)	Position of grip protection	Position of gasket
<b>MF/MFEC/MFPR MultiForm</b>					
55	ISO ePM <sub>2,5</sub> 50 %				
65	ISO ePM <sub>2,5</sub> 55 %				
65EC	ISO ePM <sub>2,5</sub> 50 %				
85	ISO ePM <sub>1</sub> 50 %				
85PR	ISO ePM <sub>1</sub> 50 %				
90	ISO ePM <sub>1</sub> 65 %				
95	ISO ePM <sub>1</sub> 80 %				
95PR	ISO ePM <sub>1</sub> 80 %				
98	E10				
99	E11				
100	E12				
101	H13				
Nominal size					
3	592 x 287 mm				
5	592 x 490 mm				
6	592 x 592 mm				
grip protection optional:					
<b>BA2</b>	grip protection clean air side Alu				
<b>BR2</b>	grip protection clean air side RAL				
grip protection optional:					
<b>F1</b>	flat profile gasket crude air side				
<b>F2</b>	flat profile gasket clean air side				
<b>G1</b>	polyurethane crude air side				
<b>G2</b>	polyurethane clean air side				



**Pressure drop diagram:**  
Applies for 592 x 592 x 298 mm



### Filter Elements MultiForm MF65, MF85, MF90 and MF95

4 V-shape filter design consisting of pleated micro-glass fiber paper

#### Application:

All applications requiring maximum operating safety and highest standards in air purity; for filtration of fine and superfine dust, bacteria, pollen etc. in HVAC systems and air handling units of all types, as well as a pre-filter for HEPA filters

#### Special features:

Self-supporting, shape-steady, synthetic design with high mechanical stability; great air volume flow with small installation depth; large filter surface; can be completely incinerated

The **MultiForm** has been designed for 4250 m<sup>3</sup>/h air flow volume.

#### Areas of application:

standard climate control facilities and air handling units, photographic, electrical and food product industry, high value assembly rooms and switch-gear facilities, chemical, pharmaceutical industry and hospitals, pre-filters for clean-room facilities, air intake filter for power stations

#### Type:

Design without sealing – sealing and handle guard in metal or plastic on request



**Frame material**  
PP

**Filter class as of**  
**EN 779:2012**  
M6, F7, F8 & F9

**For the NEW filter class**  
**as of ISO 16890**  
refer to table

**Filter media**  
Micro glass fiber paper

**Gasket**  
on request,  
flat or foam

**Temperature**  
**resistance**  
< 70 °C



### Filter Elements MultiForm MF65, MF85, MF90 and MF95

Filter medium: Micro glass fiber paper

Type	Width [mm]	Height [mm]	Depth [mm]	Filter surface [m <sup>2</sup> ]	Volume flow [m <sup>3</sup> /h]	Initial pressure drop [Pa]	Filter class [EN 779:2012]	NEW filter class as of ISO 16890
MF95-3-F80	592	287	298	8	2125	150	F9	ISO ePM <sub>1</sub> 80 %
MF95-5-F80	592	490	298	15	3500	150		
MF95-6-F80	592	592	298	18	4250	150		
MF90-3-F65	592	287	298	8	2125	125	F8	ISO ePM <sub>1</sub> 65%
MF90-5-F65	592	490	298	15	3500	125		
MF90-6-F65	592	592	298	18	4250	125		
MF85-3-F50	592	287	298	8	2125	110	F7	ISO ePM <sub>1</sub> 50 %
MF85-5-F50	592	490	298	15	3500	110		
MF85-6-F50	592	592	298	18	4250	110		
MF65-3-M55	592	287	298	7	2125	100	M6	ISO ePM <sub>2,5</sub> 55 %
MF65-5-M55	592	490	298	13	3500	100		
MF65-6-M55	592	592	298	16	4250	100		