

**MultiTherm Filter Elements** are made of deeply-folded, paper-like micro-fibre fleece; the position of the folds is stabilized through:

- rippled aluminium separators (design: F, T, H, E, G, S)



**Note!**

Installation of MULTITHERM filter elements can only be done with vertically arranged separators and horizontal air flow.

- Filter-material strips to separate the folds (aluminium-free C and D-design)
- separators are designed for an air flow on both sides

The filter package is inserted dry without casting in a riveted filter frame (except F model) made of sendzimir-galvanized sheet steel or stainless steel with grip protection on both sides; with F model (without brackets) a one-sided peripheral flange is mounted where all materials satisfy stipulations pertaining to the absence of silicone, and are temperature resistant up to 250°C; for units with critical air-flow conditions - a modified model (TP) can be supplied

Filter elements MultiTherm are equipped with a glass-fibre peripheral belt seal (7 mm)

The head frame for G & F designed is 25 mm thick.

All MultiTherm filter elements are by default equipped with grip protection (galvanized steel sheet or optional stainless steel)

*Ambient conditions* Operating temperature (max. 250°C)

Maximum relative air humidity: 100 %

**Type code**

Example: **M T** **90** **S** - **1800** / **V** **2**

Product name	Type	Installation depth	Nominal air flow volume	Type of frame	Gasket
<b>M T</b> MultiTherm					
<b>60</b>	M6				
<b>90</b>	F8				
<b>C</b>	installation depth 40mm				
<b>D</b>	installation depth 55mm				
<b>S</b>	installation depth 78mm				
<b>G</b>	installation depth 150mm (head frame)				
<b>H</b>	installation depth 150mm				
<b>F</b>	installation depth 292mm (head frame)				
<b>T</b>	installation depth 292mm				
<b>Rated volume flow rate</b> – refer to table „form of delivery/order number“ on the next page					
<b>V</b>	Steel, galvanized				
<b>1</b>	On dust-air side – standard				
<b>2</b>	On pure-air side				



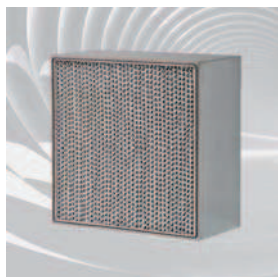
**Note!**

The standard size of a filter box with a flange design makes up 560 mm.

## Filter Elements

### MultiTherm MT60/MT90

DELBAG® Air Filtration



**Filter elements MULTITHERM MT60 and MT90**  
consisting of pleated microglass fiber paper.

#### **Application:**

Supply and recirculating-air units for filtration of fine and superfine dust (filter classes M6/F8 according to EN 779:2012) at high temperatures.

#### **Special features:**

great air volume flow with small installation depth; temperature-resistant up to 250 °C, easy separation of a filter element in paper-like fleece, fine micro-glass fibers from a frame by using brackets, satisfies stipulations pertaining to the absence of silicone.

#### **Areas of application:**

Surface technology, drying equipment, automobile industry.

#### **Type:**

The head frame fo G & F designed is 25 mm thick (EU size).



**Frame material**  
galvanized steel

**Filter class**  
M6 & F8

**Test norm**  
EN 779:2012

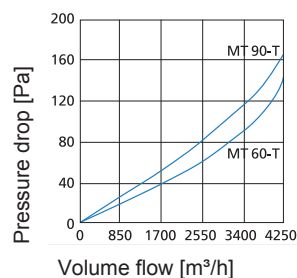
**Medium**  
Micro glass fiber paper  
with aluminium separators

**Gasket**  
temperature-resistant  
silicone gasket

**Temperature  
resistance**  
< 250 °C


#### **Pressure drop diagram:**

Applies to size 610 x 610 x 292



**Ready for  
ISO 16890**



 <b>Filter Elements MULTITHERM MT60 and MT90</b> <b>Filter class: M6 &amp; F8 [EN 779:2012]</b> <b>Medium: Micro glass fiber paper with aluminium separators</b>					
Type	Size W/H/D [mm]	Volume flow differential pressure [m³/h/Pa]	Filter class [EN 779:2012]	Filter surface [m²]	Approx. weight [kg]
<b>Installation depth 40 mm and 55 mm, aluminium-free compact design</b>					
<b>MT60-C</b>	490/490/40	1500/125	<b>M6</b>	4.0	1.5
<b>MT60-D</b>	610/610/55	1800/85	<b>M6</b>	8.0	3.5
	915/457/55	2000/85		9.0	4.5
	915/610/55	2700/85		12.0	5.5
<b>MT90-C</b>	490/490/40	1500/125	<b>F8</b>	4.0	1.5
<b>MT90-D</b>	610/610/55	1800/110	<b>F8</b>	8.0	3.5
	915/457/55	2000/110		9.0	4.5
	915/610/55	2700/110		12.0	5.5
<b>Installation depth 78 mm and 292 mm, design with aluminium separators</b>					
<b>MT60-S</b>	610/610/78	1800/90	<b>M6</b>	4.0	5.0
	915/457/78	2000/90		4.0	5.0
	915/610/78	2700/90		5.2	6.0
<b>MT60-F</b>	287/592/292	1700/140	<b>M6</b>	4.5	4.5
	592/592/292	3400/140		9.0	7.0
<b>MT60-T</b>	305/610/292	2125/140	<b>M6</b>	6.0	6.0
	610/610/292	4250/140		12.0	9.5
<b>MT90-S</b>	610/610/78	1800/115	<b>F8</b>	4.0	5.0
	915/457/78	2000/115		4.5	5.5
	915/610/78	2700/115		6.0	6.5
<b>MT90-F</b>	287/592/292	1700/165	<b>F8</b>	4.5	4.5
	592/592/292	3400/165		9.0	7.0
<b>MT90-T</b>	305/610/292	2125/165	<b>F8</b>	6.0	6.0
	610/610/292	4250/165		12.0	9.5
<b>Installation depth 78 mm and 292 mm, design with aluminium separators</b>					
<b>MT60-G</b>	287/592/150	720/120	<b>M6</b>	3.2	3.5
	592/592/150	1650/120		6.5	5.0
<b>MT60-H</b>	305/610/150	1060/120	<b>M6</b>	3.0	4.5
	610/610/150	2125/120		6.1	6.4
<b>MT90-G</b>	287/592/150	720/160	<b>F8</b>	3.2	3.5
	592/592/150	1650/160		6.5	5.0
<b>MT90-H</b>	305/610/150	1060/160	<b>F8</b>	3.9	4.7
	610/610/150	2125/160		7.8	6.8