



Core Expertise in Moulded Tube Technology

Micrafilter specialises in the design, manufacture and supply of high quality products for the filtration of air, gases and liquids to meet the specialist requirements of industrial and scientific applications around the world.

Our core expertise lies in our moulded microfibre tube technology. This offers many advantages over traditional filtration methods including the use of fluoropolymer binder, which can be used in high temperature and chemically aggressive environments as well as for general purpose filtration.



High Temperature Applications

Unlike traditional filter cartridges, Micrafilter tubes do not require additional support structures. The tubes self-seal against the housing, meaning no need for additional seals.

Each of our MicraTube and MicraLescer grades is produced from a **unique blend of borosilicate** microfibres and reinforced using a precisely controlled concentration of fluorocarbon binder. This results in filtration media with large void spaces between fibres, meaning lower pressure drops, which results in less energy used and reduced running costs.

Extended Energy Efficient Range

A **single moulded construction** with no joins eliminates the need for several wrapped layers and seam welds which have been known to split under high pressure applications.

The extended Micrafilter product range also includes aluminium and stainless steel filter housings, stainless steel filters, disposable in-line filters and absorbents, as well as a comprehensive range of compatible replacement filter elements.



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Technical Excellence

Our dedicated technical team is always on hand to offer qualified advice and end user support. We pride ourselves on our technical expertise and use this to support our customers in finding and developing the right filtration solution.

If you have any questions, please get in touch on **+44 (0) 191 416 4067**

Product Application Areas



Alternative fuels		
MicraGold	MicraLescer	MicraTube
MicraSteel	MicraMesh	



Gas analysis		
MicraGold	MicraTube	MicraMesh
MicraSteel	MicraLescer	MicraDif
MicraSorb		



Liquid analysis		
MicraSteel	MicraTube	MicraDif
MicraMesh	MicraLescer	MicraSorb



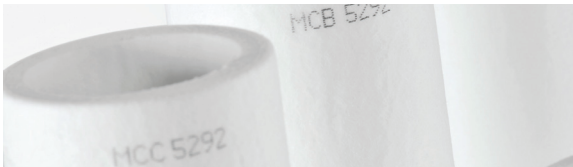
Emission monitoring and analysis (automotive)		
MicraSteel	MicraSorb	MicraLescer
MicraMesh	MicraTube	



Emissions monitoring and analysis (environmental)		
MicraSteel	MicraDif	MicraSorb



Sample analysis (gas)		
MicraSteel	MicraTube	MicraDif
MicraMesh	MicraLescer	MicraSorb



Stack gas sampling		
MicraSteel	MicraTube	
MicraMesh	MicraLescer	



Gas and chemical filtration		
MicraSteel	MicraTube	MicraSorb
MicraMesh	MicraLescer	MicraDif

Product Application Areas



Breathing air		
MicraSteel	MicraTube	MicraSorb
MicraGold	MicraDif	

Vacuum pump intake and outlet filtration	
MicraTube	MicraLescer

Instrumentation filtration		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		

Laboratory point of use protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		

Critical instrumentation protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		

General in-line and process protection		
MicraGold	MicraTube	MicraSorb
MicraSteel	MicraLescer	MicraMesh
MicraDif		

Sample cross-contamination prevention	
MicraDif	MicraSorb

MicraSorb

MicraSorb disposable filters are suited for the removal of trace extraneous vapours present in gas analyser samples, for the removal of vapour contamination in laboratory applications and the clean up of instrument or actuator air supplies.



Filter Model	Adsorbent	Trace Gas Removal
MSB-AC	Activated carbon	Oil vapours, C5 and heavier hydrocarbons and organic vapours
MSB-MB	Mixed calcium and sodium hydroxides	Acidic gases
MSB-PP	Potassium permanganate impregnated alumina	SOX
MSB-SG	Silica gel	Water vapour
MSB-4A	Molecular sieve grade 4A	CO ₂ , H ₂ S, NH ₃
MSB-13X	Molecular sieve grade 13X	Water vapour C ₄ and lighter hydrocarbons and amines

Ordering:

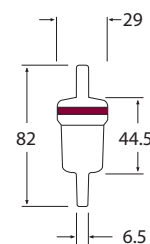
All MicraSorb disposable filters are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification						
Model	MSB-AC	MSB-MB	MSB-PP	MSB-SG	MSB-4A	MSB-13X
Filter Material	Clear Nylon					
Adsorbent Material	Activated Carbon	Mixed Calcium and Sodium Hydroxides	Potassium Permanganate Impregnated Alumina	Silica Gel	Molecular Sieve grade 4A	Molecular Sieve grade 13X
Maximum Pressure	9 barg (130psig)					
Maximum Flow Rate	4.3 N ³ /hr / 70 L/min / 2.5 SCFM					
Pressure Loss (Clean and Dry)	140 mbar (2 psi)					
Optimal Temperature Range	4°C to 40°C (40°F to 104°F)	1.5°C to 35°C (34°F to 95°F)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)	1.5°C to 50°C (34°C to 122°C)
Internal Volume	11cm ³					

Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.2	0.5	0.75	1	2	3	4	5	6	7	8	9
Operating Pressure - psig	3	7.5	10	15	30	45	60	75	90	100	115	130
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

- 1 Flow rates are based on a 2 barg (30 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- 2 The working life of a MicraSorb is dependent on the application, therefore change as required.
- 3 For higher temperature use please contact Micrafilter.



Dimensions mm

MicraDif

MicraDif disposable filters are used to protect gas analysers and sensitive equipment from particulate contamination. These disposable filters can also be used in many other compressed air, vacuum and liquid applications. Each MicraDif is available in either clear nylon or polypropylene. MicraDif contains a permanently sealed MicraTube (size 1232) available in five grades of efficiency depending upon the application.



Filter Model	Efficiency, Air & Gas at 0.3 Micron	Flow Rate ⁽¹⁾			Efficiency, Liquid 98% at	Water Flow Rate L/hr at 100 mbar Pressure Drop
		Nm ³ /h	L/min	SCFM		
MDA-123-[]	99.9998%	0.9	14	0.5	0.3 micron	6
MDB-123-[]	99.9998%	1.3	21	0.75	0.9 micron	14
MDC-123-[]	99.99%	2.6	42	1.5	2 micron	28
MDD-123-[]	99.5%	1.3	70	2.5	8 micron	55
MDE-123-[]	95%	5.0	82	2.9	25 micron	65

Ordering:

If Nylon filter is required include suffix [N].

If Polypropylene filter is required include suffix [P].

All MicraDif disposable filters are individually heat sealed in polythene packaging and supplied in packs of 10.

Specification

Filter Material	Clear Nylon	Polypropylene
Maximum Pressure	9 barg (130 psig)	Atmospheric
Pressure Loss (Clean and Dry)	100 mbar (1.5 psi)	
Pressure Loss Replacement Indicator	400 mbar (6 psi)	
Temperature Range	-40°C to 60°C (-40°F to 140°F)	0°C to 65°C (32°F to 149°F)
Internal Volume	11cm ³	

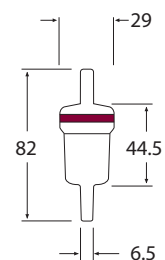
Flow Correction Chart

For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure

Operating Pressure - barg	0.2	0.5	0.75	1	2	3	4	5	6	7	8	9
Operating Pressure - psig	3	7.5	10	15	30	45	60	75	90	100	115	130
Correction Factor	0.4	0.5	0.55	0.65	1	1.2	1.5	1.8	2.1	2.4	2.5	2.8

Technical Notes

- 1 Flow rates shown are at 2 barg (30 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- 2 MicraTube filter cartridges use a fluorocarbon resin binder.
- 3 Recommended direction of flow is from inside to out through the filter cartridge.



Dimensions mm

MicraGold 10 barg

MicraGold is a range of anodised aluminium filter housings designed to use MicraLescer or MicraTube filter cartridges for the removal of oil, water and particulate from compressed air or gas streams. All aluminium parts are corrosion protected by anodisation, ideal for use in harsh conditions. MicraGold 10 barg filter housings are supplied with polycarbonate bowls, making them suitable for use on instrumentation panels and in vacuum applications.



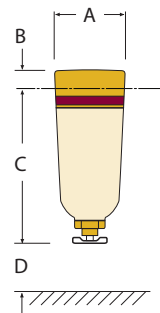
Filter Model	Pipe Size (NPT)	Flow Rate ⁽¹⁾			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket
		Nm ³ /h	L/min	SCFM	A	B	C	D		
MG-101-1232-[]	1/8"	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1
MG-102-1232-[]	1/4"	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1
MG-102-2564-[]	1/4"	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-
MG-104-2564-[]	1/2"	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-

Ordering:

If a drain connection is required include suffix [D]. Filter will be supplied with manual drain valve if this option is selected. Filter cartridges sold separately-see pages 13-14.

Specification	
Model	MG-101, 102, 104
Filter Material	Aluminium with Polycarbonate bowl
Maximum Operating Pressure	10 barg (145 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 50°C (-40°F to 120°F)
Drain Connection	Optional

* The temperature range of the cartridge intended for use must also be considered - see pages 13-14 for filter grades and specifications.



Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145
Correction Factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19

Technical Notes

- Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- Polycarbonate bowls are not suitable for use with certain synthetic oils. Please consult specific oil technical data sheet.
- For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge.
Housing heads are marked with 'P' and 'C' to aid installation.
- All pipe connections are NPT taper as standard, other thread forms are available upon request.

MicraGold 16 barg

MicraGold is a range of anodised aluminium filter housings designed to use MicraLescer or MicraTube filter cartridges for the removal of oil, water and particulate from compressed air or gas streams. All aluminium parts are corrosion protected by anodisation, making them ideal for use in harsh conditions.

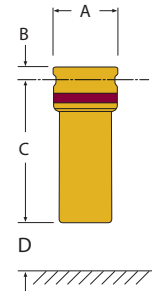


Filter Model	Pipe Size (NPT)	Flow Rate ⁽¹⁾			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket
		Nm ³ /h	L/min	SCFM	A	B	C	D		
MG-161-1232-[]	1/8"	8.5	141	5	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1
MG-162-1232-[]	1/4"	11	169	6	38 (1.5)	10 (0.4)	97 (3.8)	40 (1.6)	12 x 32 (0.5 x 1.2)	MBK1
MG-162-2564-[]	1/4"	29	481	17	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-
MG-164-2564-[]	1/2"	60	991	35	67 (2.6)	17 (0.7)	132 (5.2)	75 (3)	25 x 64 (1 x 2.5)	-
MG-164-2178-[]	1/2"	90	1500	53	67 (2.6)	17 (0.7)	240 (9.5)	160 (6.3)	25 x 178 (1 x 7)	-

Ordering:

If a drain connection is required include suffix [D]. Filter will be supplied with manual drain if this option is selected. Filter cartridges sold separately-see pages 13-14.

Specification	
Model	MG-161, 162, 164
Filter Material	Aluminium
Maximum Operating Pressure	16 barg (232 psig)
Seal Material	PTFE
Temperature Range*	-40°C to 120°C (-40°F to 250°F)
Drain Connection	Optional



* The temperature range of the cartridge intended for use must also be considered - see pages 13-14 for filter grades and specifications.

Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure																	
Operating Pressure - barg	0.3	0.6	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating Pressure - psig	4	9	14.5	29	44	58	72	87	100	115	130	145	160	175	189	203	218	232
Correction Factor	0.21	0.29	0.38	0.53	0.65	0.76	0.84	0.92	1	1.07	1.13	1.19	1.25	1.31	1.36	1.41	1.46	1.51

Technical Notes

- 1 Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- 2 For coalescing, recommended direction of flow is from inside to out through the filter cartridge. For particulate removal, recommended direction of flow is from outside to in through the filter cartridge. Housing heads are marked with 'P' and 'C' to aid installation.
- 3 All pipe connections are NPT taper as standard, other thread forms are available upon request.

MicraSteel 100 barg

MicraSteel 100 barg filters are specifically designed and manufactured for high efficiency filtration of gases and liquids in critical applications. Manufactured from solid steel bar stock in accordance with the NACE MR-01-75 (ISO 15156-1) specification, they can be used in the pressure range from full vacuum to 100 barg (1500 psig). MicraSteel filters are suitable for use with all grades of MicraMesh, MicraLescer and MicraTube. All sizes are available with or without a drain connection.



Filter Model	Pipe Size (NPT)	Flow Rate ⁽¹⁾			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket
		Nm ³ /h	L/min	SCFM	A	B	C	D		
MST-102-2564-[]	1/4"	29	481	17	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2
MST-104-2564-[]	1/2"	60	991	35	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2
MST-102-2178-[]	1/4"	34	566	20	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2
MST-104-2178-[]	1/2"	90	1500	53	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2

Ordering:

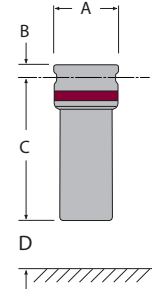
If a PTFE seal is required include suffix [F].

Filters are supplied as standard with no drain port. If a drain port is required include suffix [D] - see technical note 2.

If a PTFE seal and drain connection are both required include suffix [FD].

Filter cartridges sold separately-see pages 12-14.

Specification	
Model	MST-102 & 104
Filter Material	316L Stainless Steel
Maximum Operating Pressure	100 barg (1500 psig)
Seal Material	Viton (standard) PTFE (optional)
Temperature Range*	-40°C to 200°C (-40°F to 392°F) -240°C to 260°C (-400°F to 500°F)
Drain Connection	Optional



* The temperature range of the cartridge intended for use must also be considered - see pages 12-14 for filter grades and specifications.

Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure								
Operating Pressure - barg	1	2	4	7	10	15	20	50	100
Operating Pressure - psig	15	30	60	100	150	200	300	750	1500
Correction Factor	0.3	0.2	0.75	1	1.2	1.5	1.7	2.5	3.5

Technical Notes

- Flow rates are based on a 7 barg (100 psig) operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- The drain connection size is the same as the pipe size except for models MST-104 which are 1/4" NPT.
- For coalescing, recommended direction of flow is from inside to out through the filter cartridge.
For particulate removal, recommended direction of flow is from outside to in through the filter cartridge.
Housing heads are marked with 'P' and 'C' to aid installation.
- All pipe connections are NPT taper as standard, other thread forms are available upon request.

MicraSteel 350 barg

MicraSteel 350 barg filters are specifically designed and manufactured for high efficiency filtration of gases and liquids in critical applications. Manufactured from solid steel bar stock in accordance with the NACE MR-01-75 (ISO 15156-1) specification, they can be used in the pressure range from full vacuum to 350 barg (5000 psig). MicraSteel filters are suitable for use with all grades of MicraMesh, MicraLescer and MicraTube. All sizes are available with or without a drain connection.



Filter Model	Pipe Size (NPT)	Flow Rate ⁽¹⁾			Dimensions mm (")				Cartridge Size mm (")	Mounting Bracket
		Nm ³ /h	L/min	SCFM	A	B	C	D		
MST-351-1232-[]	1/8"	8.5	141	5	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	12 x 32 (0.5 x 1.2)	MBK1
MST-352-1232-[]	1/4"	11	169	6	41 (1.6)	10 (0.4)	78 (3.1)	35 (1.4)	12 x 32 (0.5 x 1.2)	MBK1
MST-351-1257-[]	1/8"	12	198	7	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	12 x 57 (0.5 x 2.2)	MBK1
MST-352-1257-[]	1/4"	29	481	17	41 (1.6)	10 (0.4)	103 (4.1)	60 (2.4)	12 x 57 (0.5 x 2.2)	MBK1
MST-354-2564-[]	1/2"	60	991	35	65 (2.6)	20 (0.8)	135 (5.3)	70 (2.8)	25 x 64 (1 x 2.5)	MBK2
MST-354-2178-[]	1/2"	90	1500	53	65 (2.6)	20 (0.8)	250 (9.8)	180 (7.1)	25 x 178 (1 x 7)	MBK2

Ordering:

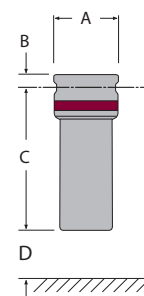
If a PTFE seal is required include suffix [F].

Filters are supplied as standard with no drain port. If a drain port is required include suffix [D] - see technical note 2.

If a PTFE seal and drain connection are both required include suffix [FD].

Filter cartridges sold separately-see pages 12-14.

Specification	
Model	MST-351, 352, 354
Filter Material	316L Stainless Steel
Maximum Operating Pressure	350 barg (5000 psig)
Seal Material	Viton (standard) PTFE (optional)
Temperature Range*	-40°C to 200°C (-40°F to 392°F) -240°C to 260°C (-400°F to 500°F)
Drain Connection	Optional



* The temperature range of the cartridge intended for use must also be considered - see pages 12-14 for filter grades and specifications.

Flow Correction Chart	For maximum flow rate multiply model 'flow rate' in the table by the correction factor closest to the actual working pressure											
Operating Pressure - barg	1	2	4	7	10	15	20	50	100	150	250	350
Operating Pressure - psig	15	30	60	100	150	200	300	750	1500	2000	3500	5000
Correction Factor	0.3	0.2	0.75	1	1.2	1.5	1.7	2.5	3.5	4.5	6	7

Technical Notes

- Flow rates are based on a 7 barg (100 psig), operating pressure. Use the flow conversion chart above to calculate flow rates at other pressures.
- The drain connection size is the same as the pipe size except for models MST-354 which are 1/4" NPT.
- For coalescing, recommended direction of flow is from inside to out through the filter cartridge. For particulate removal, recommended direction of flow is from outside to in through the filter cartridge. Housing heads are marked with 'P' and 'C' to aid installation.
- All pipe connections are NPT taper as standard, other thread forms are available upon request.

MicraMesh

MicraMesh Stainless Steel filter cartridges are manufactured from five layers of mesh sintered together to form an integrated porous filter cartridge. This type of cartridge retains solid and liquid contaminants from gas samples and solid contaminants from liquid samples. These filter cartridges also offer excellent corrosion and pressure differential resistance and are supplied complete with a fitted PTFE gasket. MicraMesh filter cartridges are suitable for use with MicraSteel filters.



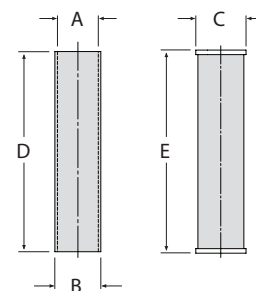
Filter Cartridge Model	Dimensions mm (")				
	A	B	C	D	E
MMT-1232-[Grade]	12.8 (0.5)	16.2 (0.63)	18.1 (0.71)	29.2 (1.15)	31.1 (1.22)
MMT-1257-[Grade]	12.8 (0.5)	16.2 (0.63)	18.1 (0.71)	54.6 (2.15)	56.7 (2.23)
MMT-2564-[Grade]	26.7 (1.05)	30 (1.18)	32.7 (1.29)	61 (2.4)	63 (2.48)
MMT-2178-[Grade]	26.7 (1.05)	30 (1.18)	32.7 (1.29)	175 (6.89)	177 (6.96)

Ordering:

Grades available: 5 micron, 10 micron, 25 micron, 75 micron, 100 micron.

Specification					
Grade	5 micron	10 micron	25 micron	75 micron	100 micron
Cartridge Material	316L Stainless Steel				
Gasket Material	PTFE				
Pressure Loss Replacement Indicator	1 bar (15 psi)				
Temperature Range*	-240°C to 260°C (-400°F to 500°F)				

* The temperature range of the filter housing intended for use must also be considered.



Technical Notes

- 1 For easy identification all MicraMesh filter cartridges have the grade printed on the outside.

MicraLescer

MicraLescer are high efficiency, self-supporting, fluorocarbon resin bonded, borosilicate glass microfibre filter cartridges. Suitable for use in gas and liquid applications, the MicraLescer cartridges are designed to coalesce liquid particles through a two layer construction. The inner layer forms the main filtration and the coarser outer layer provides drainage. Typical applications include two phase separation i.e oil aerosol from air (or gas), oil from water and water from oil.



Filter Cartridge Model	Inside Diameter mm (")	Overall Length mm (")
[Grade]-1232	12 (0.5)	32 (1.3)
[Grade]-1257	12 (0.5)	57 (2.2)
[Grade]-2564	25 (1)	64 (2.5)
[Grade]-2127	25 (1)	127 (5)
[Grade]-2178	25 (1)	178 (7)
[Grade]-3858	38 (1.5)	58 (2.3)
[Grade]-3152	38 (1.5)	152 (6)
[Grade]-4127	45 (1.8)	127 (5)
[Grade]-5189	51 (2)	89 (3.5)
[Grade]-5230	51 (2)	230 (9)
[Grade]-5476	51 (2)	476 (18.7)

Ordering:

Grades available: MCB, MCC, MCD, MCE.

All MicraLescer filter cartridges are supplied in sealed packs of 10.

In addition to our standard MicraLescer sizes listed, we are also able to manufacture bespoke tube sizes within the following parameters:

- Internal diameter: 12mm/25mm/38mm/51mm/45mm/63mm
- Length: 10mm - 475mm

Should you have a specific requirement, please contact Micrafilter for prices and ordering.

Specification				
Grade	MCB	MCC	MCD	MCE
Efficiency, Air & Gas at 0.3 Micron	99.9998%	99.99%	99.50%	95%
Efficiency, Liquid 98% at	0.9 micron	2 micron	8 micron	25 micron
Cartridge Material	Borosilicate Glass Microfibre			
Pressure Loss Replacement Indicator	400 mbar (6psi)			
Temperature Range*	-40°C to 150°C (-40°F to 302°F)			

* The temperature range of the filter housing intended for use must also be considered.

Technical Notes

- 1 MicraLescer filter cartridges use a fluorocarbon resin binder.
- 2 The direction of flow for coalescing applications is from inside to out.
- 3 For easy identification all MicraLescer filter cartridges have the model number printed on the outside.

MicraTube

MicraTubes are high efficiency, self-supporting, self-gasketing, fluorocarbon resin bonded, borosilicate glass microfibre filter cartridges. Suitable for use in industrial, medical and instrumentation applications using air, gas or liquid, MicraTube filter cartridges can be used at high pressure, low pressure and under vacuum, at temperatures up to 150°C (302°F).



Filter Cartridge Model	Inside Diameter mm (")	Overall Length mm (")
[Grade]-1232	12 (0.5)	32 (1.3)
[Grade]-1257	12 (0.5)	57 (2.2)
[Grade]-2564	25 (1)	64 (2.5)
[Grade]-2127	25 (1)	127 (5)
[Grade]-2178	25 (1)	178 (7)
[Grade]-3858	38 (1.5)	58 (2.3)
[Grade]-3152	38 (1.5)	152 (6)
[Grade]-4127	45 (1.8)	127 (5)
[Grade]-5189	51 (2)	89 (3.5)
[Grade]-5230	51 (2)	230 (9)
[Grade]-5476	51 (2)	476 (18.7)

Ordering:

Grades available: MTA, MTB, MTC, MTD, MTE.

All MicraTube filter cartridges are supplied in sealed packs of 10.

In addition to our standard MicraTube sizes listed, we are also able to manufacture bespoke tube sizes within the following parameters:

- Internal diameter: 12mm/25mm/38mm/51mm/45mm/63mm
- Length: 10mm - 475mm

Should you have a specific requirement, please contact Micrafilter for prices and ordering.

Specification					
Grade	MTA	MTB	MTC	MTD	MTE
Efficiency, Air & Gas at 0.3 Micron	99.9998%	99.9998%	99.99%	99.50%	95%
Efficiency, Liquid 98% at	0.3 micron	0.9 micron	2 micron	8 micron	25 micron
Cartridge Material	Borosilicate Glass Microfibre				
Pressure Loss Replacement Indicator	400 mbar (6psi)				
Temperature Range*	-40°C to 150°C (-40°F to 302°F)				

* The temperature range of the filter housing intended for use must also be considered.

Technical Notes

- 1 MicraTube filter cartridges use a fluorocarbon resin binder.
- 2 For easy identification all MicraTube filter cartridges have the model number printed on the outside.

Alternative Filter Cartridges

Micrafilter manufactures and supplies a wide of range of alternative filter cartridges that are designed to fit competitor housings performing equal to or better than the original. Use of natural materials ensures large void spaces between fibres, meaning lower pressure drops, which results in less energy consumed and reduced running costs.

We have the expertise to blend various grades of glass microfibre, resulting in particulate holding capacities down to 0.01 micron. A single moulded construction with no joins eliminates the need for several wrapped layers and seam welds which have been known to split under high pressure applications. We take pride that our alternative filter cartridges offer certified performance levels to meet stringent and specialist specifications.



Quotes on Request

If you have any requirements for a range of alternative elements, we'd love to hear from you.

Please get in touch on
+44 (0) 191 4164067

Alternative Filter Cartridges

Headline

Use the charts below to determine the Micrafilter equivalent to your specified Headline filter cartridge.

Should you have a specific requirement, we are also able to manufacture bespoke size MicraLescer and MicraTube filter cartridges. Please contact Micrafilter for prices and ordering.



MicraTube model	Replaces
MTA-1232	12-32 30K
MTA-1257	12-57 30K
MTA-2564	25-64 30K
MTA-2127	25-127 30K
MTA-2178	25-178 30K
MTA-3858	38-58 30K
MTA-3152	38-152 30K
MTA-4127	45-127 30K
MTA-5189	51-89 30K
MTA-5230	51-230 30K
MTA-5476	51-476 30K
MTB-1232	12-32 40K
MTB-1257	12-57 40K
MTB-2564	25-64 40K
MTB-2127	25-127 40K
MTB-2178	25-178 40K
MTB-3858	38-58 40K
MTB-3152	38-152 40K
MTB-4127	45-127 40K
MTB-5189	51-89 40K
MTB-5230	51-230 40K
MTB-5476	51-476 40K
MTC-1232	12-32 50K
MTC-1257	12-57 50K
MTC-2564	25-64 50K
MTC-2127	25-127 50K
MTC-2178	25-178 50K
MTC-3858	38-58 50K
MTC-3152	38-152 50K
MTC-4127	45-127 50K
MTC-5189	51-89 50K
MTC-5230	51-230 50K
MTC-5476	51-476 50K
MTD-1232	12-32 60K
MTD-1257	12-57 60K
MTD-2564	25-64 60K
MTD-2127	25-127 60K
MTD-2178	25-178 60K
MTD-3858	38-58 60K
MTD-3152	38-152 60K
MTD-4127	45-127 60K
MTD-5189	51-89 60K
MTD-5230	51-230 60K
MTD-5476	51-476 60K
MTE-1232	12-32 70K
MTE-1257	12-57 70K
MTE-2564	25-64 70K
MTE-2127	25-127 70K

MicraTube model	Replaces
MTE-2178	25-178 70K
MTE-3858	38-58 70K
MTE-3152	38-152 70K
MTE-4127	45-127 70K
MTE-5189	51-89 70K
MTE-5230	51-230 70K
MTE-5476	51-476 70K

MicraLescer model	Replaces
MCC-1232	12-32 50C
MCC-1257	12-57 50C
MCC-2564	25-64 50C
MCC-2127	25-127 50C
MCC-2178	25-178 50C
MCC-3858	38-58 50C
MCC-3152	38-152 50C
MCC-4127	45-127 50C
MCC-5189	51-89 50C
MCC-5230	51-230 50C
MCC-5460	51-460 50C
MCC-5476	51-476 50C
MCD-1232	12-32 60C
MCD-1257	12-57 60C
MCD-2564	25-64 60C
MCD-2127	25-127 60C
MCD-2178	25-178 60C
MCD-3858	38-58 60C
MCD-3152	38-152 60C
MCD-4127	45-127 60C
MCD-5189	51-89 60C
MCD-5230	51-230 60C
MCD-5460	51-460 60C
MCD-5476	51-476 60C
MCE-1232	12-32 70C
MCE-1257	12-57 70C
MCE-2564	25-64 70C
MCE-2127	25-127 70C
MCE-2178	25-178 70C
MCE-3858	38-58 70C
MCE-3152	38-152 70C
MCE-4127	45-127 70C
MCE-5189	51-89 70C
MCE-5230	51-230 70C
MCE-5460	51-460 70C
MCE-5476	51-476 70C

MicraMesh model	Replaces
MMT-1232-10	SS-110-10T
MMT-1257-10	SS-120-10T
MMT-2564-10	SS-130-10T
MMT-2178-10	SS-140-10T
MMT-1232-25	SS-110-25T
MMT-1257-25	SS-120-25T
MMT-2564-25	SS-130-25T
MMT-2178-25	SS-140-25T
MMT-1232-100	SS-110-100T
MMT-1257-100	SS-120-100T
MMT-2564-100	SS-130-100T
MMT-2178-100	SS-140-100T

MicraDif model	Replaces
MDA-123-[N]	DIFN 30
MDB-123-[N]	DIFN 40
MDC-123-[N]	DIFN 50
MDD-123-[N]	DIFN 60
MDE-123-[N]	DIFN 70

MicraSorb model	Replaces
MSB-AC	DIA - NCC
MSB-MB	DIA - NMB
MSB-PP	DIA - NPP
MSB-SG	DIA - NSG
MSB-4A	DIA - N4A
MSB-13X	DIA - N13X

Grade CC - Colour Change

MicraSorb model	Replaces
DE110 CC	DFE110E
DE115 CC	DFE115E
DE130 CC	DFE130E
DE150 CC	DFE150E

Alternative Filter Cartridges

Parker Balston

Use the charts below to determine the Micrafilter equivalent to your specified Parker Balston filter cartridge.

Should you have a specific requirement, we are also able to manufacture bespoke size MicraLescer and MicraTube filter cartridges. Please contact Micrafilter for prices and ordering.



MicraTube model	Replaces
MTA-1232	050-05 AAQ
MTA-1257	050-11 AAQ
MTA-2564	100-12 AAQ
MTA-2127	100-18 AAQ
MTA-2178	100-25 AAQ
MTA-3152	150-19 AAQ
MTA-5189	200-16 AAQ
MTA-5230	200-35 AAQ
MTA-5476	200-80 AAQ
MTB-1232	050-05 AQ
MTB-1257	050-11 AQ
MTB-2564	100-12 AQ
MTB-2127	100-18 AQ
MTB-2178	100-25 AQ
MTB-3152	150-19 AQ
MTB-5189	200-16 AQ
MTB-5230	200-35 AQ
MTB-5476	200-80 AQ
MTC-1232	050-05 BQ
MTC-1257	050-11 BQ
MTC-2564	100-12 BQ
MTC-2127	100-18 BQ
MTC-2178	100-25 BQ
MTC-3152	150-19 BQ
MTC-5189	200-16 BQ
MTC-5230	200-35 BQ
MTC-5476	200-80 BQ
MTD-1232	050-05 CQ
MTD-1257	050-11 CQ
MTD-2564	100-12 CQ
MTD-2127	100-18 CQ
MTD-2178	100-25 CQ
MTD-3152	150-19 CQ
MTD-5189	200-16 CQ
MTD-5230	200-35 CQ
MTD-5476	200-80 CQ
MTE-1232	050-05 DQ
MTE-1257	050-11 DQ
MTE-2564	100-12 DQ
MTE-2127	100-18 DQ
MTE-2178	100-25 DQ
MTE-3152	150-19 DQ
MTE-5189	200-16 DQ
MTE-5230	200-35 DQ
MTE-5476	200-80 DQ

MicraLescer model	Replaces
MCC-1232	050-05 BX
MCC-1257	050-11 BX
MCC-2564	100-12 BX
MCC-2127	100-18 BX
MCC-2178	100-25 BX
MCC-3152	150-19 BX
MCC-5189	200-16 BX
MCC-5213	200-30 BX
MCC-5230	200-35 BX
MCC-5460	200-75 BX
MCC-5476	200-80 BX
MCD-1232	050-05 CX
MCD-1257	050-11 CX
MCD-2564	100-12 CX
MCD-2127	100-18 CX
MCD-2178	100-25 CX
MCD-3152	150-19 CX
MCD-5189	200-16 CX
MCD-5213	200-30 CX
MCD-5230	200-35 CX
MCD-5460	200-75 CX
MCD-5476	200-80 CX
MCE-1232	050-05 DX
MCE-1257	050-11 DX
MCE-2564	100-12 DX
MCE-2127	100-18 DX
MCE-2178	100-25 DX
MCE-3152	150-19 DX
MCE-5189	200-16 DX
MCE-5213	200-30 DX
MCE-5230	200-35 DX
MCE-5460	200-75 DX
MCE-5476	200-80 DX

MicraMesh model	Replaces
MMT-1257-5	050-11-05M
MMT-2564-5	100-12-05M
MMT-2178-5	100-25-05M
MMT-1257-10	050-11-10M
MMT-2564-10	100-12-10M
MMT-2178-10	100-25-10M
MMT-1257-100	050-11-00M
MMT-2564-100	100-12-00M
MMT-2178-100	100-25-00M

MicraDif model	Replaces
MDA-123-[N]	9933-05-AAQ
MDB-123-[N]	9933-05-AQ
MDC-123-[N]	9933-05-BQ
MDD-123-[N]	9933-05-CQ
MDE-123-[N]	9933-05-DQ

MicraSorb model	Replaces
MSB-AC	9922-05-000 9933-05-000
MSB-MB	9922-05-107 9933-05-107
MSB-PP	9922-05-105 9933-05-105
MSB-SG	9922-05-101 9933-05-101
MSB-4A	9922-05-102 9933-05-102
MSB-13X	9922-05-103 9933-05-103



Commitment to Quality

Micrafilter is committed to providing quality products to all of our customers. Quality is at the heart of everything we do and it is the responsibility of every employee to ensure we deliver first class solutions.

This is demonstrated by our strict quality controls, and ISO 9001 accreditation which is testimony to our commitment.



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