



INTRODUCTION

Mehr Arad Gostar Company (MAG Filter) was established in 2004 with the aim of producing industrial filters and supplying filter media required by the industry. Relying on the expertise of its staff, the company has been able to meet the filter needs of many industries in line with the world cutting edge knowledge in this area.

Since its establishment, MAG Filter has acted based on the factors such as superior quality, reasonable price, timely delivery and after-sale technical services in order to ensure the customers' benefit and satisfaction. In 2008, the company, in cooperation with leading European companies in this field, managed to launch its fully automatic dust filter production line using thermo welded method. Later on, to complete the filter requirements of industries, the company commissioned its automatic Filter Cage production line in 2009.

In order to satisfy all kinds of filter needs of the industries, MAG Filter has placed on its agenda the production of air, oil, gas, and solution refining filters since 2010 and will pursue it as a great mission to continue to achieve perfection.

In order to sustain the quality level of products and to increase customer satisfaction, the company managed to gain ISO 9001: 2008 quality management systems certification from TUV INTERCERT Company in 2011. Following a more and more productive path is the companies' priority.

Micro pleated- pp Filter cartridge

General description

PP micro pleated filter cartridge deliver high Efficiency and consistent Filtration of fluids in a Wide range of critical Applications .they are Constructed of pleated Melt blown filter media That provides removal of Particles from 0.1 to 50 μm .the high surface Area ensures long service Life and low initial Pressure drops. All Cartridge hardware Components are high Purity polypropylene Materials for use in critical Process application .all The cartridge are Manufactured and assembled in a clean room environment to minimize the possibility of contamination .series cartridge are available in a wide range of configuration to fit most commercially available filter housings.



APPLICATIONS

- Pharmaceuticals
- Food and beverage
- Oil industry
- Semiconductor
- Chemical industry
- Pre filtration paint & coating
- Cosmetics
- Photographic solutions
- Plating solution



FEATURES

- Excellent chemical compatibility .suitable for filtering organic solvents ,acid bases .pleated design increased the filtration area
- Low pressure drop, long service life
- Full range of removal ratings
- Graded pore density for high dirt holding capacity
- FDA compliance material

SPECIFICATION

Dimensions

- Outside diameter:2.7"(69mm)
- Length:9.75",10",20",30",40"

MATERIAL OF CONSTRUCTION

- Filter media :pp
- Support /drainage :pp
- Cage/core /end cap:pp
- Seal material :silicone ,EPDM ,NBR ,Viton ,Teflon ,E-FKM

PERFORMANCE

- REMOVAL RATING :0.1
- Maximum operation temperature :80 c@1bar,support adaptors are recommended for temperature exceeds 50c
- Maximum operation differential :4.0bar,normal temperature
- Maximum operating differential pressure(reverse direction)2.0bar normal temperature
- Sterilization temperature time 5TIMES, 20minutes cycles at 120 c

PART NUMBERS / ORDERING INFORMATION

MAG Micro Plated Filter Cartridge – PP P/N:
MAMPP -*=-#-+ (e.g, MAMPP-0.22-10-B-S)



PART NUMBERS / ORDERING INFORMATION

MAG Micro Plated Filter Cartridge – PP P/N:
MAMPP -*--#-+ (e.g, MAMPP-0.22-10-B-S)

Code*	Removal Rating	Code =	Length
0.1	0.1 µm	975	9.75"
0.22	0.22 µm	10	10"
0.45	0.45 µm	20	20"
1	1 µm	30	30"
3	3 µm	40	40"
5	5 µm		
10	10 µm		
20	20 µm		
50	50 µm		

Code #	End Cap Type	Code +	Seal Material
B	DOE Gasket / Gasket (9.75" increments)	S	Silicon
F	DOE Gasket / Gasket (10" increments)	E	EPDM
H	213 / Flat	B	NBR
J	222 / Flat / SS	V	Viton
K	222 / Fin / SS	T	Teflon
M	222 / Flat	F	E- FKM
P	222 / Fin		
Q	226 / Fin		
R	226 / Fin / SS		
T	226 / Flat		
V	226 / Flat / SS		



Micro Pleated – PES Filter Cartridge

General Description

PES series filter cartridge is constructed of imported polyethersulfone (PES) membrane media and nonwoven support materials. The materials of cage, core and end caps are polypropylene. Adaptors are thermally welded with media without using any glue on that, so there is no possibility to cause pollution.



Applications

- Pharmaceuticals
- Food and beverage
- Chemical industry

Features

- Excellent performance of chemical compatibility
- Hydrophilic membrane with high flow
- Non-fiber releasing according to pharmaceuticals and food industry requirements
- Experiencing 100% integrity tested
- Flushed with ultrapure water
- FDA compliance material

Specifications

- Dimensions
- Outside diameter: 2.7" (69 mm)
- Length: 9.75", 10", 20", 30", 40"



MATERIAL OF CONSTRUCTIONS

- Filter Media: PES
- Support / Drainage: PP
- Cage / Core / End cap: PP
- Seal Material: Silicone, EPDM, NBR, Viton, Teflon, E-FKM

Performance:

- Removal Rating: 0.1 μm , 0.22 μm , 0.45 μm
- Maximum operating temperature: 85° C
- Maximum operating pressure: 4.2 Bar @ 25° C
- Maximum operating pressure (Reverse Direction): 2.1 Bar @ 25° C
- Maximum temperature sterilization: 20times, 30 minutes cycle at 121° C

Part Numbers / Ordering Information

MAG Micro Plated Filter Cartridge – PES P/N:
MAMPES -*=-#-+ (e.g, MAMPES-0.22-10-P-E)

Code *	Removal Rating	Code =	Length	Code #	End Cap Type	Code +	Seal Material
0.1	0.1 μm	975	9.75"	B	DOE Gasket / Gasket (9.75" increments)	S	Silicon
0.22	0.22 μm	10	10"	F	DOE Gasket / Gasket (10" increments)	E	EPDM
0.45	0.45 μm	20	20"	H	213 / Flat	B	NBR
				J	222 / Flat / SS	V	Viton
				K	222 / Fin / SS	T	Teflon
				M	222 / Flat	F	E-FKM
				P	222 / Fin		
				Q	226 / Fin		
				R	226 / Fin / SS		
				T	226 / Flat		
V	226 / Flat / SS						



MICRO PLEATED-N6 FILTER CARTRIDGE

GENERAL DESCRIPTION

The Nylon 6 pleated filter cartridge is constructed of Nylon 6 media and nonwoven support materials. Adaptors are thermally welded with media without using any glue, so there will be no any possibilities to cause pollution.



Applications

- Pharmaceuticals
- Food and beverage
- Semiconductor

Features

- Possessing better performance of high temperature- resistance, acid and base resistance
- Hydrophilic membrane with high flow
- Non – fiber releasing according to pharmaceuticals and food industry requirements
- 100% integrity tested
- Flushed with ultrapure water

Specifications

- Dimensions
- Outside diameter : 2.7(69mm)
- Length : 9.75", 10", 20", 30", 40"

Material of Constructions

- Filter Media: Nylon6
- Support / Drainage :PP
- CAGE / Core / End cap :PP
- Seal Material : Silicone, EPDM, NBR, Viton, Teflon, E-FKM



Performance

- Removal Rating: 0.1µm, 0.45µm
- Maximum operating temperature:60 °C
- Maximum operating differential pressure:4.2Bar @ 25 °C
- Maximum differential pressure (reverse directions): 2.1 Bar @ 25 °C
- Maximum temperature sterilization: 30times, 30minutes at 121 °C

Part Numbers / Ordering Information

MAG Micro Pleated Filter Cartridge-n6 P/N:

MAMN6-*=-#-+(e.g, MAMN6-0.1-10-B-S)

Part Numbers / Ordering Information

MAG Micro Pleated Filter Cartridge-n6 P/N:

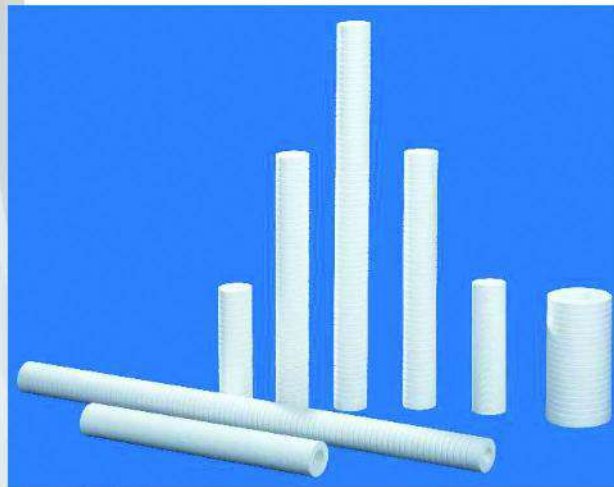
MAMN6-*=-#-+(e.g, MAMN6-0.1-10-B-S)

Code*	Removal Rating	Code=	Length	Code+	Seal Material	Code#	End Cap Type
0.1	0.1 µm	975	9.75"	S	Silicone	B	DOE Gasket/Gasket (9.75" increments)
0.22	0.22 µm	10	10"	E	EPDM	F	DOE Gasket / Gasket (10" increments)
0.45	0.45 µm	20	20"	B	NBR	H	213/ Flat
		30	30"	V	Viton	J	222/ Flat/SS
		40	40"	T	Teflon	K	222/ Fin/ SS
				F	E-FKM	M	222/ Flat
				P			222/ Fin
Q			226/ Fin				
R			226/ Fin/ SS				
T			226/ Flat				
V			226/ Flat/ SS				



PP MELT BLOWN FILTER CARTRIDGE GENERAL DESCRIPTION

PP Melt Blown Filter Cartridge is fusing and Intertwined of Polypropylene resin without chemical glues. The cartridges are glued at random to form 3D micro pore which will make the cartridge 3 layers with fine fibers in surface and coarse fibers and deep filtration. As the fiber and density from high filtration rating and pollutants holding capacity on diameter of filter cartridge, low pressure drop, gradual changing deep filtration structure with loose Outside and close inner, strong pollutants holding capacity, it can remove contaminant effectively, such as suspended substance, particulate and rust, providing efficient filtration and long service life.



Applications

- -Drinking water Treatment
- -Electronic
- -plating
- -Chemicals, solvents

Features

- Three layers structure cartridge offers high dirt holding capacity, longer service life.
- Formed by thermal bond without using any binders and adhesives.
- 100% pure polypropylene will not cause any pollution To water.
- Wide Chemical compatibility
- Groove design to extend the filtration surface area.
- All kinds of adaptors are available.



Specification

Dimensions

- outside diameter: 63mm, 115mm or up to Customers' request
- inside diameter: 28mm, 30 mm
- length: 9.75", 9.87", 10", 20", 30", 40", 50", 60"

Material of constructions

- filter media: PP
- end caps: PP
- cores: PP
- gaskets/O-ring: silicone, EPDM, NBR, Viton

Performance:

- remove rating: 1, 3,5,10,25,50,75,100,150 μm
- maximum differential pressure: 2.0 bar @21°C
- maximum operating temperature: 82°C

Part Numbers / Ordering Information

MAG PP Melt Blown Filter Cartridge P/N:

MAPP - X - * - - # - + - & (e.g. MAPPMG - 5 - 10 - M - S)

Code X	Surface Type	Code =	Removal Rating	Code #	Length
Blank	No Groove	1	1 μm	975	9.75" (248 mm)
G	Deep Groove	3	3 μm	987	9.87" (250 mm)
MG	Mini Groove	5	5 μm	10	10" (254 mm)
		10	10 μm	20	20" (508 mm)
		25	25 μm	30	30" (762 mm)
		50	50 μm	40	40" (1016 mm)
		75	75 μm	50	50" (1270 mm)
		100	100 μm	60	60" (1524 mm)
		150	150 μm		

Code +	End Cap Type	Code *	Outside Diameter	Code &	Seal Material
Blank	DOE (NO End Caps)	Blank	2.5" (63 mm)	S	Silicone
F	DOE (Gasket / Gasket)	BB	4.5" (115 mm)	E	EPDM
M	222 / Flat			B	NBR
P	222 / Fin			V	Viton
T	222 / Flat				
Q	226 / Fin				



SUPER – NYLON DEPTH FILTER CARTRIDGE

GENERAL DESCRIPTION:

The super – Nylon melt blown depth filter cartridge are designed for those application which polypropylenes filter cannot be used. Super – Nylon filter cartridges are suitable for high temperature applications as well as applications involving solvents, hydrocarbons and aromatics. Other features include integral moulded centre core and a full range of thermal welded end caps to ensure maximum compatibility with existing installations.



Applications of products:

Super – Nylon depth filter cartridge are particularly suitable for the petrochemical and fine chemical industries , because of its high temperature rating compatibility of solvents and hydrocarbons which makes it ideally for many applications.

Features:

- 1-Micro- denier melt – blown Nylon fiber, high removal rating and low pressure drop.
- 2- Range of filtration ratings from 1 to 100
- 3- Graded density structure for maximum dirt holding capacity.
- 4- Rated for temperature up to 120 °C.
- 5- Excellent chemical compatibility with solvents, hydrocarbons & aromatics.
- 6- High void volume, resulting in low differential pressure and excellent dirt holding capacity.
- 7- No resins, binders or anti static agents to ensure minimal extractable .



Specification:

Micron rating: 1, 5, 10, 25, 50, 75, 100 micron

Material of Construction: Melt blown micro – denier Nylon fiber

Core & End cap Material: Nylon

Length: 9.87 “, 10”, 20”, 30”, 40”

(251 mm , 254 mm , 508 mm , 762 mm , 1016 mm)

Inner diameter: 28 mm

Outer diameter: 63 mm

Part Numbers / Ordering Information

MAG Nylon Melt Blown Filter Cartridge P/N:

MANY – X - * - - # - + - & (e.g. MANYMG – 5 – 10 – M- S)

Code X	Surface Type	Code =	Removal Rating	Code #	Length
Blank	No Groove	1	1 µm	975	9.75” (248 mm)
G	Deep Groove	3	3 µm	987	9.87” (250 mm)
MG	Mini Groove	5	5 µm	10	10” (254 mm)
		10	10 µm	20	20” (508 mm)
		25	25 µm	30	30” (762 mm)
		50	50 µm	40	40” (1016 mm)
		75	75 µm	50	50” (1270 mm)
		100	100 µm	60	60” (1524 mm)
		150	150 µm		

Code +	End Cap Type	Code *	Outside Diameter	Code &	Seal Material
Blank	DOE (NO End Caps)	Blank	2.5” (63 mm)	S	Silicone
F	DOE (Gasket / Gasket)	BB	4.5” (115 mm)	E	EPDM
M	222 / Flat			B	NBR
P	222 / Fin			V	Viton
T	222 / Flat				
Q	226 / Fin				



STRING WOUND FILTER CARTRIDGES

GENERAL DESCRIPTION

Our string wound filter Cartridges are structured loose outer layers and tight inner layers which can offer true depth filtration for high dirt holding capacity and extremely low media migration to ensure temperature and chemical compatibility. The main advantage of the string wound filter cartridge is its exceptionally high structural strength, therefore, they can withstand severe operating conditions



APPLICATIONS

- Pre – filter for drinking water treatment
- Acid base liquid in chemical processing
- Food& beverage
- Semiconductor
- Pharmaceuticals

FEATURES

- Fits all the standard housings
- Low pressure drop , high dirt holding capacity and long service life
- Loose outer layers and tight inner layers offers effective depth filtration
- Various filter media fit with various application



SPECIFICATIONS

Dimensions

- Outside diameter: 63mm , 115mm
- Inner Diameter : 28mm , 30mm
- Length : 9.75" , 9.87" , 10" , 20" , 30" , 40"

Material of Constructions

- Filter Media : Polypropylene , Bleached cotton , Glass Fiber
- Core: PP, Stainless Steel

Performance

- Removal Rating : 1µm ,5µm, 10µm, 30µm, 50µm, 75µm, 100µm
- Polypropylene material for non – organic solvent , maximum recommended operating temperature ≤60°C
- Bleached cotton material filter cartridge with stainless core apply to organic solvent , water , oil , alkalinity solvent , beverage , pharmaceuticals , maximum recommended operating temperature : 120 °C

Part Number / Ordering Information

MAG String Wound Filter Cartridge P/N :

MA SW- * - - + (e.g , MASW – 5 – 10-A)

Code *	Outside Diameter	Code#	Length	Code+	Material	Code=	Removal Rating
Black	2.5" (63mm)	975	9.75" (248mm)	A	PP Yarn and PP Core	1	1µm
BB	4.5" (115mm)	987	9.87" (250mm)	B	Cotton Yarn and SS Core	5	5µm
			10" (254mm)	C	Cotton Yarn and PP Core	10	10µm
			20" (508mm)	D	Glass Fiber and SS Core	20	20µm
			30" (762mm)			30	30 µm
			40" (1016mm)			50	50 µm
					75	75 µm	
					100	100 µm	



ACTIVATED CARBON FILTER CARTRIDGE

GENERAL DESCRIPTION

Our activated carbon is shaped by extruding activated carbon fines and food – grade additives continuously, guaranteeing excellent absorbency of grained activated carbon, no release of carbon fines of bulk activated carbon, and wiping off chlorine, bad taste and organic matter effectively.



Applications

- Drinking water treatment
- Plating
- Food industry
- Industrial water treatment

Specifications

Dimensions

- Outside Diameter : 65 mm , 68 mm , 115 mm
- Inside Diameter : 28 mm , 30 mm
- Length : 9.75" , 9.87" , 10" , 20" , or up to customers' requirements

Material of Constructions

- Filter Media : Acid washed bituminous GAC & water washed coconut shell GAC
- End Cap : PP
- Gasket : Silicone EPDM , NBR
- Netting : Polyethylene



Performance

- Removal Rating : 5 , 10 μm
- Maximum Operating Temperature : 52 °C
- Maximum Operating Pressure : 17 Bar
- Maximum Differential Pressure : 7 Bar at 20 °c

Part Number / Ordering Information
 MAG Activated Carbon Filter Cartridge P/N:
 MACTO* - = -+ (e.g , MACTO – 5 – 10-B)

Code*	Outside Diameter	Code=	Removal Rating	Code#	Length	Code+	Media Type	
Blank	2.5" (70 mm)	5	5 μm	975	9.75" (248mm)	A	Coal Carbon	
BB	4.5" (115 mm)	10	10 μm	987	9.87" (250 mm)	B	Coconut Carbon	
					10			10 " (254 mm)
					20			20" (508 mm)

Manufacturer
of the industrial filter



MAG filter

Mehr Arad
Gostar Co.Ltd



MAG filter

Mehr Arad Gostar Co.Ltd

Office Add: Mehr Building, 2 Station, Pasdaran Blvd, Shiraz, Iran
MailBox: 71849-78496 Tel: +98 711 8237972 Fax: +98 711 8234819

www.MAGfilters.net

Email: info@MAGfilters.net

