

AIR FILTRATION  
& AIR QUALITY



GENERAL  
BROCHURE

WE CLEAN **THE AIR**  
**OF THE WORLD**

DÜNYANIN **HAVASINI**  
**TEMİZLİYORUZ**

[www.mgtfilter.com](http://www.mgtfilter.com)

# OUR COMPANY

# ŞİRKETİMİZ



## ABOUT US

**MGT Filter** was founded in 1992 in Istanbul.

We started on this journey to meet World's and Turkey needs based on the necessity of Filtration of atmospheric pollutants.

Our aim on our production and service to develop our quality efficiency and sustainability to be inside of principle of quality to sustainable efficiency.

We continue to do our best in our customer-focused activities that can produce solutions with all our stakeholders and employees and always conscious of keeping customer satisfaction at the highest level with our knowledge and experience gained over a quarter of a Century.

Our filters are used in clean rooms, hospitals and laboratories, power plants, HVAC systems in many industrial areas as worldwide thanks to our export intensity to more than 70 countries on 5 continents. Believing in importance of our

Filters and Filtration Systems will prevent Global warming and Climate change with the way of effective and proper use.

Maintain our business with the principle to leave "a cleaner world" for tomorrow.

## HAKKIMIZDA

**MGT Filtre** 1992 yılında İstanbul'da kuruldu.

Atmosferik kirlenmelerin filtrasyonuna gereklilikten yola çıkarak, Türkiye ve dünyadaki filtre ihtiyaçlarını karşılamak için başladık.

Uluslararası standartlarda ürettiğimiz geniş ürün yelpazemizin tüm süreçlerinde, kalite verimlilik ve sürdürülebilirliği ilkesi ile gelişerek; tüm paydaşlarımız ve çalışanlarımızla çözüm üretebilen müşteri odaklı çalışmalarımızda,

Daima müşteri memnuniyetini en üst seviyede tutma bilinciyle çeyrek asrı geçen sürede kazandığımız bilgi ve tecrübelerimizle işimizi en iyi şekilde yapmaya devam ediyoruz.

Bugün beş kıtada 70 üzerinde ülkeye ihracatını yaptığımız Filtrelerimiz temiz odalarda, hastane ve laboratuvarlarda, enerji santrallerinde, HVAC sistemlerinde birçok endüstriyel alanlarda kullanılmaktadır.

Filtre ve filtrasyon sistemlerinin etkili ve doğru kullanımının, küresel ısınmaya ve iklim değişikliğine engel olacağına inanıyor, yarınlara daha temiz bir dünya bırakmak için çalışıyoruz.

# AIR FILTERS

## INTERNATIONAL CLASSIFICATION STANDARDS

Group	Designation	European Filter Class	MERV Rating	Recommended Final Pressure Drop (Pa)	Average Arrestance (Am) of Synthetic dust (%)	Average Efficiency (Em) of 0,4µ Particles (%)	Minimum Efficiency for 0,4µ Particles (%)	NEW STANDARD ISO 16890			
		EN 779-2012	ASHRAE 52.2					ISO ePM1	ISO ePM2,5	ISO ePM10	ISO COARSE
COARSE	G	G1	MERV 1	250	50 ≤ Am < 65	-	-	-	-	-	-
		G2	MERV 2-4	250	65 ≤ Am < 80	-	-	-	-	-	-
		G3	MERV 5-6	250	80 ≤ Am < 90	-	-	-	-	-	> 80 %
		G4	MERV 7-8	250	90 ≤ Am	-	-	-	-	-	> 90 %
MEDIUM	M	M5	MERV 9-10	450	-	40 ≤ Em < 60	-	-	-	> 50 %	-
		M6	MERV 11-12	450	-	60 ≤ Em < 80	-	-	50-65 %	> 60 %	-
FINE	F	F7	MERV 13	450	-	80 ≤ Em < 90	35	50-65 %	65-80 %	> 85 %	-
		F8	MERV 14	450	-	90 ≤ Em < 95	55	65-80 %	> 80 %	> 90 %	-
		F9	MERV 15	450	-	95 ≤ Em	70	> 80 %	> 95 %	> 95 %	-

Group	EN 1822			Integral Value of Efficiency in the MPPS in %	Integral Value of Penetration in the MPPS in %	Local Value of Efficiency in the MPPS in %	Local Value of Penetration in the MPPS in %	Local Value of Efficiency in the MPPS in %	
Suspended	E	E10	MERV 16	600	≥ 85	≥ 15	-	-	-
		E11	NA	600	≥ 95	≥ 5	-	-	-
		E12	NA	600	≥ 99.5	≥ 0.5	-	-	-
	H	H13	NA	600	≥ 99.95	≥ 0.05	≥ 99.75	≥ 0.25	≥ 99.75
		H14	NA	600	≥ 99.995	≥ 0.005	≥ 99.975	≥ 0.025	≥ 99.975
	U	U15	NA	600	≥ 99.9995	≥ 0.0005	≥ 99.9975	≥ 0.0025	≥ 99.9975
		U16	NA	600	≥ 99.99995	≥ 0.00005	≥ 99.99975	≥ 0.00025	≥ 99.99975
	U17	NA	600	≥ 99.999995	≥ 0.000005	≥ 99.99999	≥ 0.0001	≥ 99.99999	

### TEST UNIT & CERTIFICATION

### TEST ÜNİTESİ & SERTİFİKALAR



## COARSE FILTERS

### ÖN FİLTRELER



- ✓ CONDITIONING AND HVAC SYSTEMS USED AS PRE-FILTER OR SECOND-STAGE FILTER



- ✓ LOW START PRESSURE DROP
- ✓ HIGH DUST HOLDING CAPACITY
- ✓ REDUCED OPERATION COSTS PROVIDES LONG SERVICE INTERVAL.

#### SYNTHETIC

Roll Filters



- EFFICIENCY G2 - G3 - G4
- THICKNESS 10-15-20-22MM
- TEMPERATURE 80°

#### GLASS FIBER

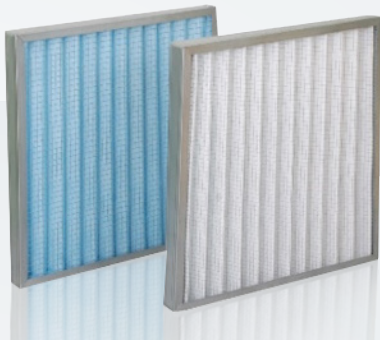
Roll Filters



- EFFICIENCY G3-G4
- THICKNESS 30-60-100MM
- TEMPERATURE 100°

## PANFIL

Panel Filters



- EFFICIENCY G2 - G3 - G4
- FRAME CARTBOARD / PLASTIC / METAL
- SYNTHETIC - POLYURETHANE - METALIC MEDIA

## PREBAG

Pocket Filters



- EFFICIENCY G3-G4
- SYNTHETIC MEDIA
- GALVANIZED AND PLASTIC FRAME

## PANFIL

Synthetic Rigid Panel Filters



- EFFICIENCY G4 - M5
- SYNTHETIC RIGID MEDIA
- WITHOUT MESH
- PLASTIC FRAME

## MULTIBAG

Synthetic Rigid Pocket Filters



- EFFICIENCY M5 - M6
- SYNTHETIC MEDIA
- METAL AND PLASTIC FRAME

## FINE FILTERS

### HASSAS FİLTRELER



CONDITIONING AND HVAC SYSTEMS USED AS FINE FILTERING KEEPS AIRBORNE PARTICLES AND AEROSOLS. LARGE FILTRATION SURFACE HIGH FLOW RATE, LOW INITIAL PRESSURE DROP, COSTS PROVIDES LONG SERVICE INTERVAL

#### MINIPAN

Mini Pleated Compact Filters



- EFFICIENCY M6-F7-F8-F9
- MICRO GLASS FIBER MEDIA
- ALUMINUM, PLASTIC OR GALVANIZED FRAME

#### MULTIBAG

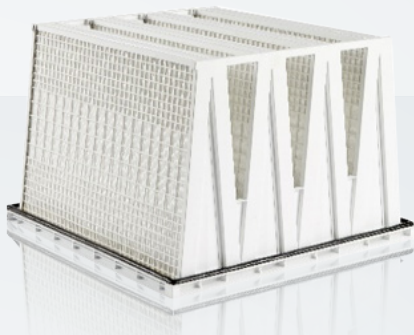
Pocket Filters



- EFFICIENCY M6-F7-F8
- SYNTHETIC AND GLASS FIBER MEDIA
- PLASTIC FRAME OR GALVANIZED FRAME

## MULTIFIL - 292 or 420

V-Type Rigid Bag Filters



- EFFICIENCY M6-F7-F8-F9
- GLASS FIBER MEDIA
- PLASTIC OR METAL FRAME
- 80 °C AND 120 °C HT SERIES
- PROTECTION GRID AND PU GASKET

## MULTIFIL - 292 or 420

V-Type Rigid Bag Filters



- EFFICIENCY M6-F7-F8-F9
- GLASS FIBER MEDIA
- PLASTIC OR METAL FRAME
- 80 °C AND 120 °C HT SERIES
- OPTIONAL PROTECTION GRID AND GASKET

## MULTICELL

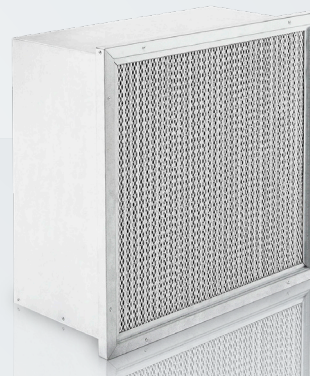
SERIES



- EFFICIENCY M6-F7-F8-F9
- GLASS FIBER MEDIA
- PLASTIC FRAME 130 mm
- ALUMINUM OR GALVANIZED FRAME ANY DEPTH SIZE
- METAL FRAME 100-130-150-292 mm
- 80 °C AND 120 °C HT SERIES

## MULTI-AS

Aluminum Separator Filters



- EFFICIENCY M6-F7-F8-F9
- GLASS FIBER MEDIA
- ALUMINUM SEPARATOR
- METAL FRAME
- 250 °C HT SERIES

# HEPA-ULPA FILTERS

## HEPA-ULPA FİLTRELER



- ✓ USED FOR ABSOLUTE AIR FILTRATION IN CONTROLLED CONTAMINATION ENVIROMENTS
- ✓ CLEAN ROOMS
- ✓ LAF BENCHES,
- ✓ MICROELECTRONICS,
- ✓ HOSPITAL AND OPERATING ROOMS.

### HEPA-V

High Capacity Filters



- EFFICIENCY  
E10 - E12 - H13 - H14 - U15
- HIGH CAPACITY AIR FLOW
- LOW PRESSURE DROP
- LONG SERVICE LIFE
- HIGH CAPACITY DUST LOADING

### HEPALAM-HEPAFIL

Laminar Flow Absolute Filters



- EFFICIENCY  
E10 - E11 - E12 - H13 - H14 - U15 - U16 - U17
- LAMINAR AIF FLOW
- PU GASKET
- OPTIONAL DOUBLE SIDE PROTECTION GRID
- ALUMINIUM AND MDF FRAME



## HEPAHOOD

Hepa Terminal Hood Filters



- EFFICIENCY  
E11 - E12 - H13 - H14 - U15 - U16 - U17
- ALUMINUM FRAME
- AIR OUTLET SURFACE MESH
- CONNECTED DIRECTLY TO CHANNEL
- DOUBLE PROB FOR DOP TEST  
AND PRESSURE DROP
- OPTIONAL AIR DAMPER

## HEPAGEL

Gel Gasket Hepa Filters



- EFFICIENCY  
E11 - E12 - H13 - H14 - U15 - U16 - U17
- LAMINAR AIR FLOW
- LEAKAGE FREE WITH GEL GASKET
- DOUBLE SIDE PROTECTION GRID
- GLASS FIBER MEDIA

## HEPAFIL-292

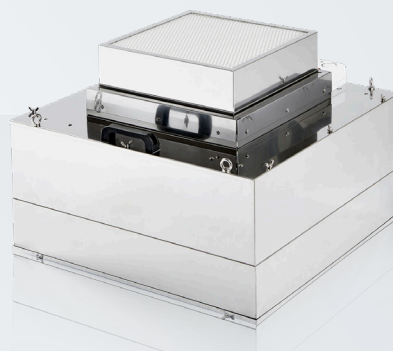
Depth Pleated Hepa Filters



- EFFICIENCY  
E11 - E12 - H13 - H14 - U15 - U16
- GLASS FIBER MEDIA
- 100 - 135 - 150 - 250 mm PLEATED DEPTH
- 80 °C AND 120 °C HT SERIES
- GALVANIZED STAINLESS STEEL OR MDF FRAME

## FFU

Fan Filter Units



- EFFICIENCY  
M6 - F7 - F8 - F9 - E10 - E11 - E12 - H13 - H14
- GLASS FIBER MEDIA
- METAL FRAME
- AIR VOLUME CONTROL
- OPTIONAL DPG
- COMPACT DESIGN
- PORTABLE SYSTEM

# ACTIVATED CARBON FILTERS

## AKTIF KARBON FİLTRELER

THE PURIFICATION OF POLLUTANT GASES IN THE ATMOSPHERE GRANULAR ACTIVATED CARBON FILTERS ARE USED PLEATED ODOR ABSORBENTS ACTIVATED CARBON FILTERS. FILLED ACTIVATED CARBON FILTERS

### CARBOFIL

Pleated Odor A.C. Filters



- RELATIVE HUMIDITY 70%
- TEMPERATURE 50°
- PLASTIC FRAME
- CARBON PLEATED HIGH SURFACE AREA
- EASY TO INSTALL

### CARBOCAT

Cylindrical Cartridge Filters



- EFFICIENCY UP TO 80%
- RELATIVE HUMIDITY 70%
- TEMPERATURE 50°
- OPTIONAL STAINLESS FRAME
- RE-FILLABLE CARTRIDGES
- LOWER PRESSURE DROP ACCORDING TO HIGH PERFORMANCE

## FILTER EQUIPMENTS & ACCESSORIES

### FİLTRE EKİPMAN VE AKSESUARLAR

FILTER EQUIPMENTS  
PROVIDE EASY INSTALLATION  
AND AND SERVICEABILITY ON  
FILTER APPLICATION.

#### FILMOD

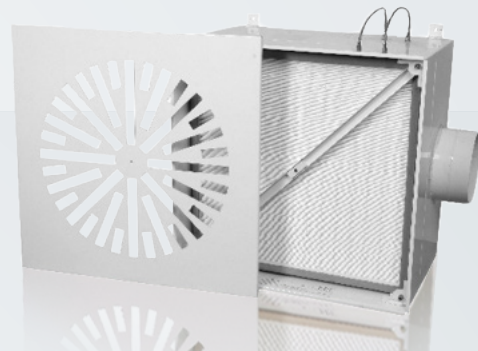
Filter Housing Frame



- METAL FRAME
- CAN BE USED FOR PANEL, BAG, COMPACT FILTERS
- LEAKPROOF PU GASKET
- FILTER FIX WITH H CLAMPS
- OPTIONAL WITH DIFFERENT SIZES

#### HEPABOX

Hepa Filter Box



- METAL FRAME
- %100 WELDED
- RESISTANT TO HIGH PRESSURE DROP
- ELECTROSTATIC PAINTED AND STAINLESS STEEL OPTIONS
- NUMBER OF DUCT SIZE AND LOCATION CAN BE ADJUSTED ACCORDING TO THE REQUEST
- DIFFERENT DIFFUSOR TYPES CAN BE APPLICABLE

AIR FILTRATION  
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**HEADOFFICE**

Akçaburgaz Mah. 319 Sk. No: 36  
34522 Esenyurt, İstanbul - TÜRKİYE

**T.** +90.212 886 6170

**F.** +90.212 886 9978

**ALO MGT** 444 4 648

**ÇERKEZKÖY FACTORY**

Çerkezköy OSB Gaziosmanpaşa Mah.  
1. Cad. 18. Sk. No: 4  
Çerkezköy, Tekirdağ - TÜRKİYE

info@mgt.com.tr

www.mgtfilter.com

www.mgt.com.tr