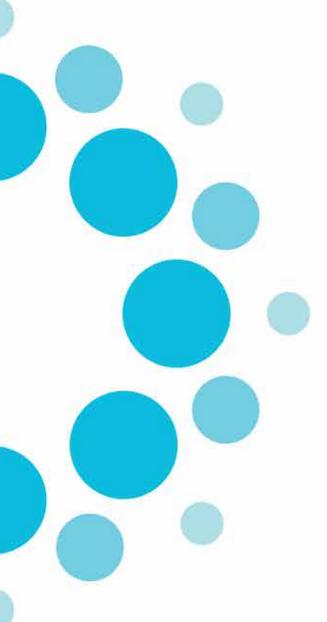


Commercial Kitchen Exhaust and Filtration Solutions





Don't Let Your Food Taste Be Poisoned!

A chemical called Polycyclic Aromatic Hydrocarbon appears as a result of the contact of fat dripping from meat with coal during cooking. This chemical rises into the air as a smoke, and people who inhale the smoke inhale these toxic substances.





About Us

Emsa Engineering started its activities in 1989 by working on heating-cooling and ventilation systems with the awareness of the importance of air quality. In 2010, it focused on solving oil, smoke and odor problems in industrial kitchens, and by combining its 30 years of experience with high technology, it became fully air quality engineering. We have succeeded to be one of the most reliable companies in the sector with more than 1000 projects successfully completed.

Our Vision

The biggest problem of the rapidly developing food and beverage sector is the removal of oil, smoke and odor. The release of oil, smoke and odor during the cooking to the atmosphere through a chimney causes serious disturbance to the environment and also pollutes the air we breathe. In addition, a large portion of the oil vapor drawn directly by the chimney is solidified and the air accumulates inside the channel. This causes narrowing of the channel cross-sections and reduces the flow quality of the air. However, the most important thing is that the oil accumulated in the channel ignites because of the sparks that will occur when the grill is burned, causing a serious fire in the restaurant.

Our Mission

Our mission is to meet or exceed the expectations of our customers by providing superior and innovative air cleaning equipment, exceptional technical support and operational excellence.

We serve our customers by designing, producing and marketing the most cost-effective high quality air purifiers in the industry. We maintain our activities on the basis of providing practical productive equipment and honest answers, and we believe that fulfilling our promises is one of our most effective sales tools.



Our Exports

Albania

Algeria

Azerbaijan

Britain

Bulgaria

Germany

Holland

Hungary

Iraq

Kazakhistan

Montenegro

Romania

Serbia

Spain

South Africa

UAE

























































HORECA HMD series Duct Type Electrostatic Filter removes polluted air by absorbing particles such as oil, steam, dust and smoke formed in the air with the principle of electrostatic precipitation.



ELECTROSTATIC FILTER

Advantages

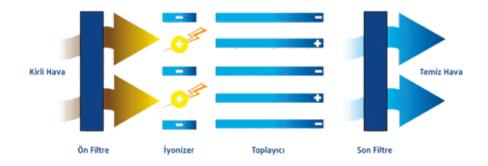
- Chimney fire risk significantly reduced.
- Operating expenses are reduced.
- The exhaust fan's life is extended.
- Oily and odores smoke will be purified discharged from the duct.
- Lubrication in the channels is prevented.





HMD-300 HMD-600 HMD-900

Working Principle



1. Stage

The air drawn by the exhaust fan passes through the coarse particle holder metal filter of the HORECA HMD series duct type electrostatic filter, where it is purified from large particles.

2. Stage

Particles with the size of 0.3µm pass through the high voltage electric field region. Here the particles are charged with a positive electric charge.

3. Stage

These positively charged particles are retained by evenly spaced parallel arrays of collecting plates. These surfaces are negatively and positively charged, respectively. Positively charged surfaces repel these particles, while negatively charged surfaces attract and collect them.

4. Stage

In this way, the oil particles formed during cooking adhere to the aluminum plates. At the same time, it flows into the oil pan at the bottom. Filters and oil pan are cleaned and reassembled periodically.





HORECA Elektrostatic Filter,

With the right project and equipment selection, it filters the oil vapor and smoke formed during cooking **by 98**%.









Device Specifications

Single Pass Application

Between 3,000 m^3 / h and 9,000 m^3 / h air flow rates, where there is light cooking intensity used. Channel type or in a ecology unit applicable.



Stacked Application

It is used in points where it is air flows of 9.000 m³ / h and above, Stacking device the capacity increases by increasing the number. Channel type or can be applied in ecology unit.



Double-Pass Application

Applied where cooking density is heavy. Particles that the first filter will miss, the second pass filter keeps. It is also applied by stacking, there is no limit in air flow. Depends on the situation It can also be applied in three passes. Used, channel type or in a ecology unit.



Ecology Unit

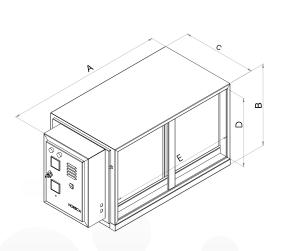
Pre-filter, electrostatic filter, activated carbon filter and fan can be applied as fixed or modular is a compact system. It can work comfortably in environments that may be exposed to external factors such as roof, terrace etc.

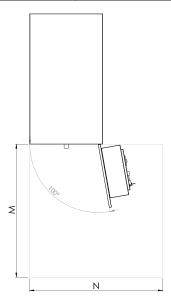


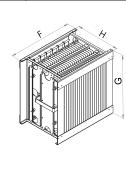




MODEL	HMD-300	HMD-600	HMD-900	
CAPACITY (98,7 % Efficiency)	2.500 m³/h	5.000 m³/h	7.500 m³/h	
CAPACITY (%94,5 Efficiency)	3.000 m³/h	6.000 m³/h	9.000 m³/h	
EFFICIENCY (0,3 μm)	98,7 %	98,7 %	98,7 %	
COLLECTOR CELL	1 PCS	2 PCS	3 PCS	
COLLECTOR SURFACE AREA	17,2 M ²	34,4 M²	51,6 M ²	
PRESSURE LOSS	150 Pa	150 Pa	150 Pa	
INPUT VOLTAGE AND FREQUENCY	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz	
POWER CONSUMPTION	0,3 kW/h	0,3 kW/h	0,3 kW/h	
STAINLESS PRE-FILTER	Included	Included	Included	
STAINLESS BACK FILTER	Optional	Optional	Optional	
OIL DRAIN TAP	Included	Included	Included	
DEVICE DIMENSIONS (AxBxC)	690 mm x 600 mm x 550 mm	1170 mm x 600 mm x 550 mm	1640 mm x 600 mm x 550 mm	
DUCT INPUT DIMENSIONS (DxE)	503 mm x 450 mm	503 mm x 927 mm	503 mm x 1417 mm	
COLLECTOR CELL DIMENSIONS (FxWxH)	470 mm x 464 mm x 324 mm	470 mm x 464 mm x 324 mm	470 mm x 464 mm x 324 mm	
FRONT/REAR FILTER DIMENSIONS (JxKxL)	475 mm x 460 mm x 16 mm	475 mm x 460 mm x 16 mm	475 mm x 460 mm x 16 mm	
MAINTENANCE AREA DIMENSIONS (MxN)	1000 mm x 1000 mm	1000 mm x 1000 mm	1000 mm x 1000 mm	
ORIGIN	TURKEY	TURKEY	TURKEY	











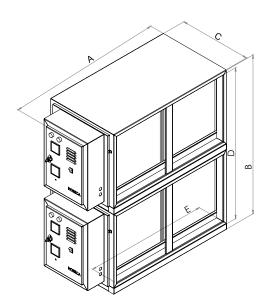


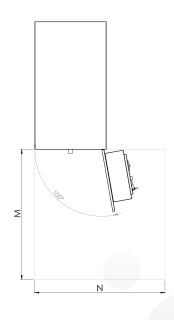


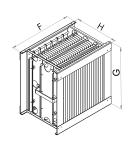




MODEL	HMD-1200	HMD-1800	HMD-2700
CAPACITY (%98,7 Efficiency)	10.000 m³/h	15.000 m³/h	22500 m³/h
CAPACITY(%94,5 Efficiency)	12.000 m³/h	18.000 m³/h	27.000 m³/h
EFFICIENCY (0,3 μm)	98,7 %	98,7 %	98,7 %
COLLECTOR CELL	4 PCS	6 PCS	9 PCS
COLLECTOR SURFACE AREA	68,8 M²	103,2 M ²	154,8 M²
PRESSURE LOSS	150 Pa	150 Pa	150 Pa
INPUT VOLTAGE AND FREQUENCY	220 V / 50 Hz	220 V / 50 Hz	220 V / 50 Hz
POWER CONSUMPTION	0,6 kW/h	0,6 kW/h	0,9 kW/h
STAINLESS PRE-FILTER	Included	Included	Included
STAINLESS BACK FILTER	Optional	Optional	Optional
OIL DRAIN TAP	Included	Included	Included
DEVICE DIMENSIONS (AxBxC)	1170 mm x 1200 mm x 550 mm	1640 mm x 1200 mm x 550 mm	1640 mm x 1800 mm x 550 mm
DUCT INPUT DIMENSIONS (DxE)	1103 mm x 927 mm	1103 mm x 1417 mm	1103 mm x 1417 mm
TOPLAYICI HÜCRE ÖLÇÜLERİ (FxGxH)	470 mm x 464 mm x 324 mm	470 mm x 464 mm x 324 mm	470 mm x 464 mm x 324 mm
FRONT/REAR FILTER DIMENSIONS (JxK)	475 mm x 460 mm x 16 mm	475 mm x 460 mm x 16 mm	475 mm x 460 mm x 16 mm
MAINTENANCE AREA DIMENSIONS (LxM)	1000 mm x 1000 mm	1000 mm x 1000 mm	1000 mm x 1000 mm
ORIGIN	TURKEY	TURKEY	TURKEY























Active Carbon Filter, when used together with Electrostatic Filter, provides high efficiency odor filtration in industrial kitchens.

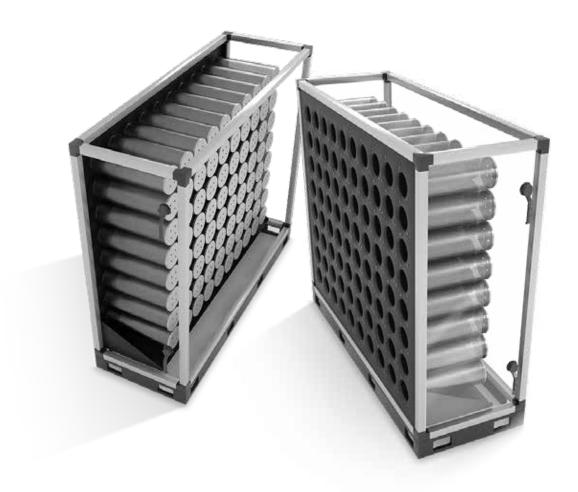


ACTIVATED CARBON FILTER

Advantages

- Easy assembly and installation with 4, 8 and 16 standard plates.
- High efficiency odor filtration.
- Low operating cost.





Activated carbon filters are used in kitchen filtration to eliminate odor particles after electrostatic filters.

The carbon filter used as a type of cartridge in kitchen filtration is made of microporous granules, which are small cylindrical in size of 3-4 mm and neutralize harmful organic compounds in the air stream.

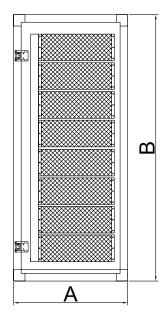
The number of cartridges determined according to the air flow is applied in front of the fan after electrostatic filter in a cabinet. Maintenance and cleaning is not possible and the efficiency of the cleaning of the electrostatic filter can be up to **2 years**.

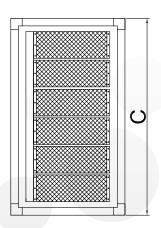
Horeca Activated Carbon Filters have:

- High Surface Area,
- Large internal porosity,
- High Gas Elimination Capacity,
- Low Pressure Loss, Energy Saving,
- Low Energy Consumption,
- Robustness and Airtightness,
- Easy Installation,
- Provides high efficiency in odor filtering with standard size.

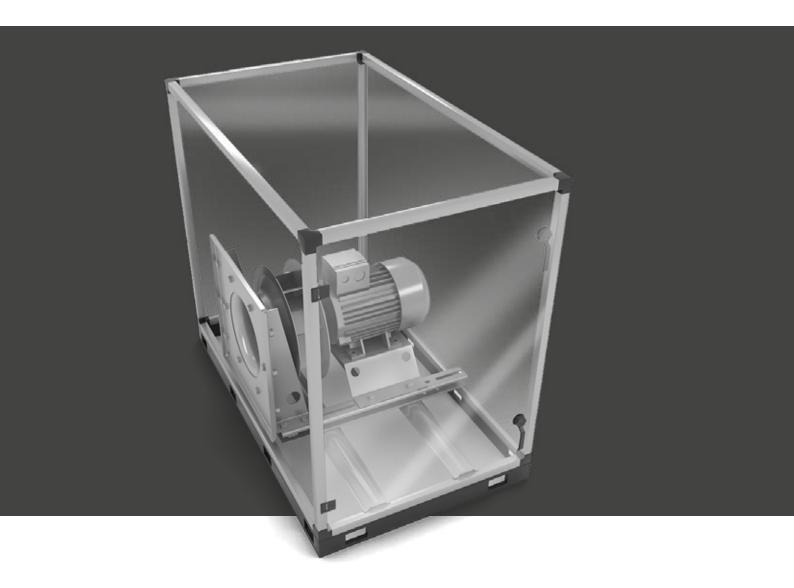


MODEL	Diameter (mm)	Length (cm)	Number of Cartridges	Capacity (m³/h)	Total Carbon Mass (kg)	Cell Dimensions (AxBxC) (cm)	Contact Time (s)	Pressure Loss (Pa)
		40		3.500	86	60x75x80		
ACF-16		50	16	4.350	60	70x75x80		
		60		5.250	72	80x75x80		
		40		5.280	72	60x110x80		
ACF-24		50	24	6.480	90	70x110x80		
		60		7.920	108	80x110x80		
		40		7.040	96	60x75x140		
ACF-32		50	32	8.640	120	70x75x140		
		60		10.560	144	80x75x140		
		40		8.640	120	60x80x175		
ACF-40		50	40	10.800	150	70x80x175		
		60		12.950	180	80x80x175		
		40		10.560	144	60x100x130		
ACF-48	Ø 140	50	48	12.960	180	70x100x130	0.18	270
		60		15.840	216	80x100x130		
		40		14.080	192	60x130x130		
ACF-64		50	64	17.280	240	70x130x130		
		60		21.120	288	80x130x130		
		40		15.840	216	60x140x150		
ACF-72		50	72	19.800	270	70x140x150		
		60		23.760	324	80x140x150		
		40		17.280	240	60x140x160		
ACF-80		50	80	21.600	300	70x140x160		
		60		25.920	360	80x140x160		
		40		21.120	288	60x130x200		
ACF-96		50	96	25.920	360	70x130x200		
		60		31.680	432	80x130x200		









Exhaust Fans, are designed for use in industrial kitchens and evacuate filtered air from smoke, oil and odor to the outside.

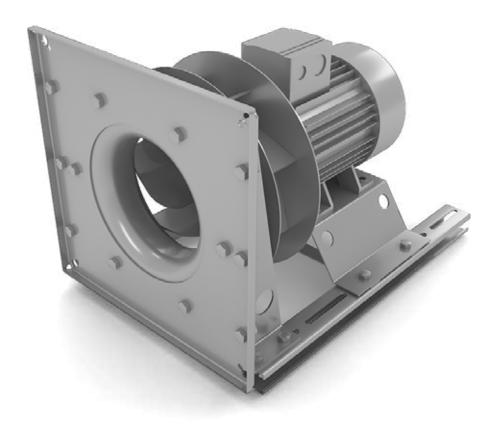


EXHAUST FANS

Advantages

- With its special design, the electric motor stays out of the air flow.
- Low electricity consumption combined with the use of frequency inverters.
- Low noise level with soundproof cabin.



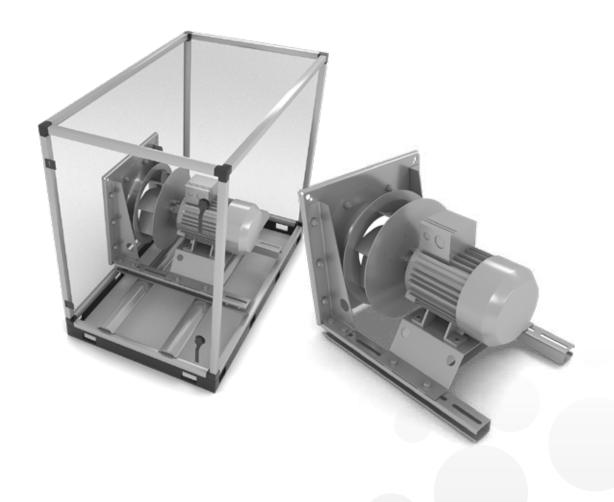


Kitchen Exhaust Systems

Industrial kitchen exhaust systems allow commercial kitchen and franchising investments, which are concentrated on food, to be made under more accurate application conditions. Thanks to the industrial kitchen exhaust systems, uncontrolled air movements that may occur between the kitchen volume and the adjacent comfort use volumes are prevented, thus the desired pressure balances in the comfort usage areas can be easily achieved.



MODEL	EF-2831	EF-3135	EF-3540	EF-4045	EF-5056	EF-5663	EF-6371
AIR FLOW RATE	2.500 m ³ /h	5.000 m ³ /h	7.500 m³/h	10.000 m³/h	15.000 m³/h	22.500 m³/h	30.000 m ³ /h
STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa	1000 Pa	1000 Pa	1000 Pa
MOTOR POWER	1,1 kW	2,2 kW	4 kW	5,5 kW	5,5 kW	7,5 kW	15 kW
MOTOR SPEED	2885 d/d	2875 d/d	3150 d/d	2870 d/d	2220 d/d	1830 d/d	1880 d/d
FAN SPEED	2878 d/d	2860 d/d	2951 d/d	2731 d/d	2123 d/d	1682 d/d	1861 d/d
SOUND LEVEL	82 dB	83 dB	85 dB	86 dB	86 dB	87 dB	88 dB







Ecology Units, are the most effective system where all the equipment required for industrial kitchen filtration is gathered in a single power plant.



ECOLOGY UNITS

Assembling the filter devices in a single unit;

- Efficiency and time savings as there is no channel connection between filter devices,
- All modules are independent of each other and easy on-site assembly,
- Protection from external factors such as rain and snow, thanks to its production suitable for the external environment,
- According to the project, the unit has advantages such as serving as a kitchen counter.





The kitchen ecology unit, is the most compact solution for oil, smoke and odor evacuation, which is one of the biggest problems of industrial kitchens.

The most important criterion in the selection of ecology units is the **type of kitchen**. Device capacities should be determined and their configurations should be made, taking into account conditions such as cooking intensity and the location of the business.

Kitchen ecology units, which contain all the necessary equipment to prevent oil, smoke and odor problems of a business, are produced in accordance with outdoor conditions and applied modularly.





Horeca Ecology Units

Ecology units;

- G4 Coarse Particle Trap Metal Filter,
- Electrostatic Filter,
- F7 Bag Filter,
- Activated Carbon Filter,
- Exhaust Fan,
- Control Panel

It is designed by configuring these components, which are determined specifically for each project, from parts such as.



Sample Installation

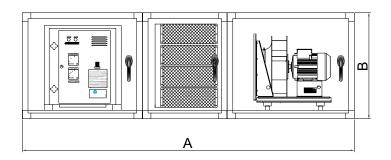


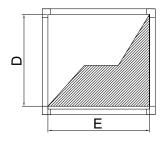


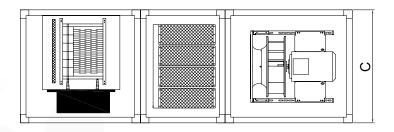


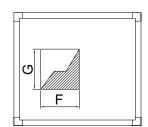


MODEL	KEFU-250/16-TG	KEFU-250/16-ÇG	KEFU-250/24-TG	KEFU-250/24-ÇG
ELECTROSTATIC FILTER CAPACITY	2.500 m ³ /h			
ACTIVATED CARBON FILTER CAPACITY	3.500 m³/h	3.500 m ³/h	5.200 m ³ /h	5.200 m ³ /h
FAN CAPACITY	2.500 m³/h	2.500 m³/h	2.500 m³/h	2.500 m³/h
ELECTROSTATIC FILTER MODEL	HMD-300	HMD-300	HMD-300	HMD-300
NUMBER OF ELECTROSTATIC FILTER PASSES	1	2	1	2
NUMBER OF COLLECTOR CELLS	1	2	1	2
NUMBER OF ACTIVATED CARBON FILTER CARTRIDGES	16 PCS	16 PCS	24 PCS	24 PCS
EXTERNAL STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa
FAN TYPE	PLUG Fan	PLUG Fan	PLUG Fan	PLUG Fan
MOTOR POWER	1,1 kW	1,1 kW	1,1 kW	1,1 kW
ENGINE SPEED	2885 d/d	2885 d/d	2885 d/d	2885 d/d
FAN SPEED	2875 d/d	2875 d/d	2875 d/d	2875 d/d
SOUND LEVEL	82 dB	82 dB	82 dB	82 dB
FREQUENCY INVERTER	Included	Included	Included	Included
AUTOMATION PANEL	Optional	Optional	Optional	Optional
DEVICE DIMENSIONS (AxBxC)	2350 mm x 750 mm x 800 mm	2350 mm x 750 mm x 800 mm	2350 mm x 750 mm x 800 mm	2350 mm x 750 mm x 800 mm
DUCT INPUT DIMENSIONS (DxE)	503 mm x 450 mm			
DUCT OUTPUT DIMENSIONS (FxW)	300 mm x 400 mm			
MASS	365 kg	420 kg	400 kg	460 kg
ORIGIN	TURKEY	TURKEY	TURKEY	TURKEY



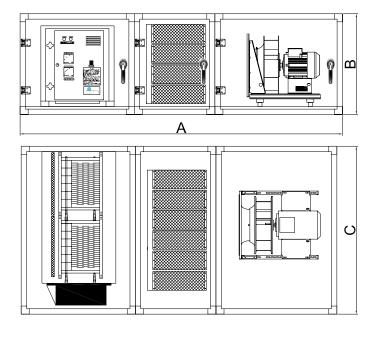


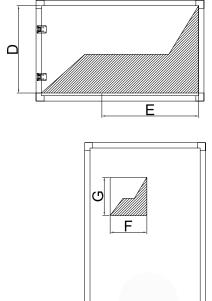






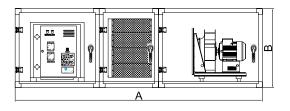
MODEL	KEFU-500/24-TG	KEFU-500/24-ÇG	KEFU-500/32-TG	KEFU-500/32-ÇG
ELECTROSTATIC FILTER CAPACITY	5.000 m ³ /h	5.000 m³/h	5.000 m³/h	5.000 m³/h
ACTIVATED CARBON FILTER CAPACITY	5.200 m³/h	5.200 m³/h	7.000 m³/h	7.000 m³/h
FAN CAPACITY	5.000 m³/h	5.000 m³/h	5.000 m³/h	5.000 m³/h
ELECTROSTATIC FILTER MODEL	HMD-600	HMD-600	HMD-600	HMD-600
NUMBER OF ELECTROSTATIC FILTER PASSES	1	2	1	2
NUMBER OF COLLECTOR CELLS	2	4	2	4
NUMBER OF ACTIVATED CARBON FILTER CARTRIDGES	24 PCS	24 PCS	32 PCS	32 PCS
EXTERNAL STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa
FAN TYPE	PLUG Fan	PLUG Fan	PLUG Fan	PLUG Fan
MOTOR POWER	2,2 kW	2,2 kW	2,2 kW	2,2 kW
ENGINE SPEED	2875 d/d	2875 d/d	2875 d/d	2875 d/d
FAN SPEED	3000 d/d	3000 d/d	3000 d/d	3000 d/d
SOUND LEVEL	83 dB	83 dB	83 dB	83 dB
FREQUENCY INVERTER	Included	Included	Included	Included
AUTOMATION PANEL	Optional	Optional	Optional	Optional
DEVICE DIMENSIONS (AxBxC)	2400 mm x 750 mm x 1250 mm	3100 mm x 750 mm x 1250 mm	2400 mm x 750 mm x 1400 mm	3100 mm x 750 mm x 1400 mm
DUCT INPUT DIMENSIONS (DxE)	503 mm x 927 mm			
DUCT OUTPUT DIMENSIONS (FxW)	300 mm x 500 mm			
MASS	600 kg	685 kg	625 kg	700 kg
ORIGIN	TURKEY	TURKEY	TURKEY	TURKEY

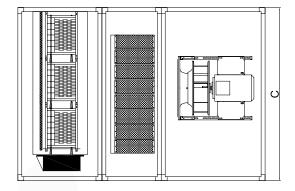


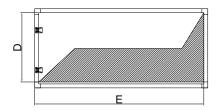


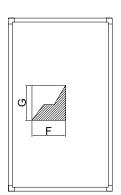


MODEL	KEFU-750/32-TG	KEFU-750/32-ÇG	KEFU-750/40-TG	KEFU-750/40-ÇG
ELECTROSTATIC FILTER CAPACITY	7.500 m³/h	7.500 m³/h	7.500 m³/h	7.500 m³/h
ACTIVATED CARBON FILTER CAPACITY	7.000 m³/h	7.000 m³/h	8.800 m³/h	8.800 m³/h
FAN CAPACITY	7.500 m³/h	7.500 m³/h	7.500 m³/h	7.500 m³/h
ELECTROSTATIC FILTER MODEL	HMD-900	HMD-900	HMD-900	HMD-900
NUMBER OF ELECTROSTATIC FILTER PASSES	1	2	1	2
NUMBER OF COLLECTOR CELLS	3	6	3	6
NUMBER OF ACTIVATED CARBON FILTER CARTRIDGES	32 PCS	32 PCS	40 PCS	40 PCS
EXTERNAL STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa
FAN TYPE	PLUG Fan	PLUG Fan	PLUG Fan	PLUG Fan
MOTOR POWER	4 kW	4 kW	4 kW	4 kW
ENGINE SPEED	3150 d/d	3150 d/d	3150 d/d	3150 d/d
FAN SPEED	2951 d/d	2951 d/d	2951 d/d	2951 d/d
SOUND LEVEL	85 dB	85 dB	85 dB	85 dB
FREQUENCY INVERTER	Included	Included	Included	Included
AUTOMATION PANEL	Optional	Optional	Optional	Optional
DEVICE DIMENSIONS (AxBxC)	2500 mm x 800 mm x 1750 mm	3100 mm x 750 mm x 1250 mm	2400 mm x 750 mm x 1400 mm	3100 mm x 750 mm x 1400 mm
DUCT INPUT DIMENSIONS (DxE)	503 mm x 1417 mm			
DUCT OUTPUT DIMENSIONS (FxW)	450 mm x 500 mm			
MASS	600 kg	685 kg	625 kg	700 kg
ORIGIN	TURKEY	TURKEY	TURKEY	TURKEY



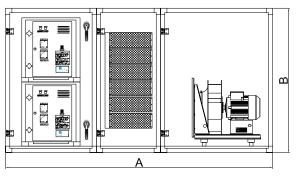


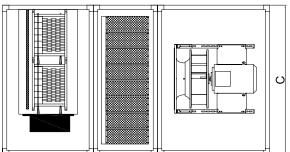


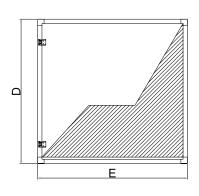


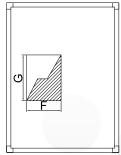


MODEL	KEFU-1000/48-TG	KEFU-1000/48-ÇG	KEFU-1000/64-TG	KEFU-1000/64-ÇG
ELECTROSTATIC FILTER CAPACITY	10.000 m³/h	10.000 m³/h	10.000 m³/h	10.000 m³/h
ACTIVATED CARBON FILTER CAPACITY	10.500 m³/h	10.500 m³/h	14.000 m³/h	14.000 m³/h
FAN CAPACITY	10.000 m³/h	10.000 m³/h	10.000 m³/h	10.000 m³/h
ELECTROSTATIC FILTER MODEL	HMD-1200	HMD-1200	HMD-1200	HMD-1200
NUMBER OF ELECTROSTATIC FILTER PASSES	1	2	1	2
NUMBER OF COLLECTOR CELLS	4	8	4	8
NUMBER OF ACTIVATED CARBON FILTER CARTRIDGES	48 PCS	48 PCS	64 PCS	64 PCS
EXTERNAL STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa
FAN TYPE	PLUG Fan	PLUG Fan	PLUG Fan	PLUG Fan
MOTOR POWER	5,5 kW	5,5 kW	5,5 kW	5,5 kW
ENGINE SPEED	2870 d/d	2870 d/d	2870 d/d	2870 d/d
FAN SPEED	2731 d/d	2731 d/d	2731 d/d	2731 d/d
SOUND LEVEL	85 dB	85 dB	85 dB	85 dB
FREQUENCY INVERTER	Included	Included	Included	Included
AUTOMATION PANEL	Optional	Optional	Optional	Optional
DEVICE DIMENSIONS (AxBxC)	2500 mm x 1350 mm x 1400 mm	3250 mm x 1350 mm x 1250 mm	2500 mm x 1400 mm x 1400 mm	3250 mm x 1400 mm x 1400 mm
DUCT INPUT DIMENSIONS (DxE)	1103 mm x 927 mm			
DUCT OUTPUT DIMENSIONS (FxW)	450 mm x 600 mm			
MASS	750 kg	830 kg	825 kg	925 kg
ORIGIN	TURKEY	TURKEY	TURKEY	TURKEY

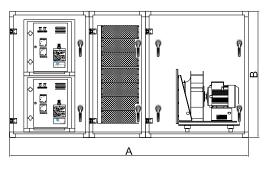


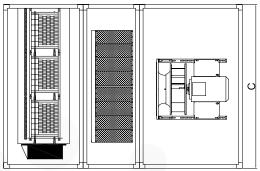


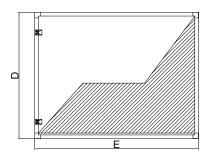


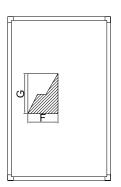






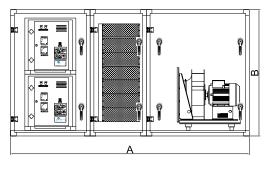


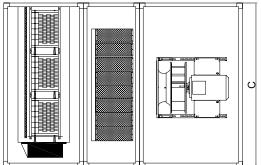


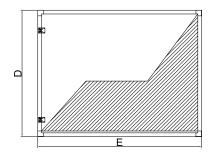


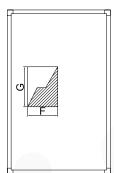


MODEL	KEFU-1500/64-TG	KEFU-1500/64-ÇG	KEFU-1500/80-TG	KEFU-1500/80-ÇG
ELECTROSTATIC FILTER CAPACITY	15.000 m³/h	15.000 m³/h	15.000 m³/h	15.000 m³/h
ACTIVATED CARBON FILTER CAPACITY	14.000 m³/h	14.000 m³/h	17.500 m³/h	17.500 m ³/h
FAN CAPACITY	15.000 m³/h	15.000 m³/h	15.000 m³/h	15.000 m³/h
ELECTROSTATIC FILTER MODEL	HMD-1800	HMD-1800	HMD-1800	HMD-1800
NUMBER OF ELECTROSTATIC FILTER PASSES	1	2	1	2
NUMBER OF COLLECTOR CELLS	6	12	6	12
NUMBER OF ACTIVATED CARBON FILTER CARTRIDGES	64 PCS	64 PCS	80 PCS	80 PCS
EXTERNAL STATIC PRESSURE LOSS	500 Pa	500 Pa	500 Pa	500 Pa
TOTAL PRESSURE LOSS	1000 Pa	1000 Pa	1000 Pa	1000 Pa
FAN TYPE	PLUG Fan	PLUG Fan	PLUG Fan	PLUG Fan
MOTOR POWER	7,5 kW	7,5 kW	7,5 kW	7,5 kW
ENGINE SPEED	1830 d/d	1830 d/d	1830 d/d	1830 d/d
FAN SPEED	1682 d/d	1682 d/d	1682 d/d	1682 d/d
SOUND LEVEL	85 dB	85 dB	85 dB	85 dB
FREQUENCY INVERTER	Included	Included	Included	Included
AUTOMATION PANEL	Optional	Optional	Optional	Optional
DEVICE DIMENSIONS (AxBxC)	2700 mm x 1400 mm x 1750 mm	3450 mm x 1400 mm x 1750 mm	2700 mm x 1400 mm x 1750 mm	3450 mm x 1400 mm x 1750 mm
DUCT INPUT DIMENSIONS (DxE)	1103 mm x 1417 mm			
DUCT OUTPUT DIMENSIONS (FxW)	500 mm x 800 mm			
MASS	1050 kg	1200 kg	1150 kg	1300 kg
ORIGIN	TURKEY	TURKEY	TURKEY	TURKEY

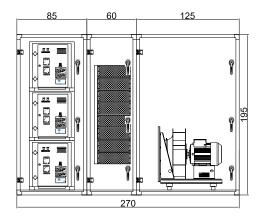


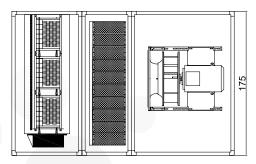


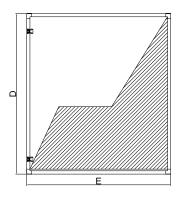


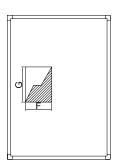




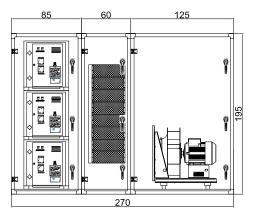


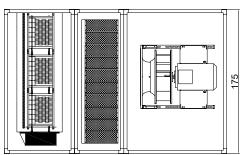


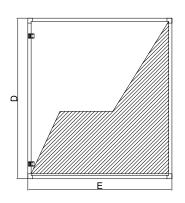


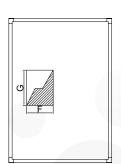




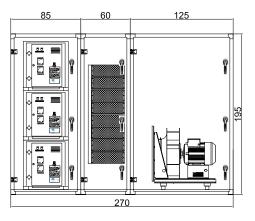


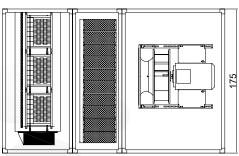


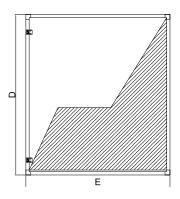


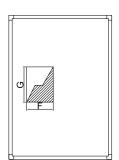




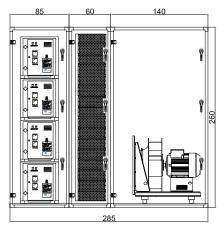


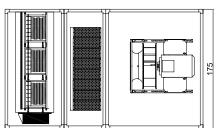


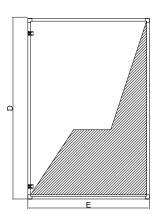


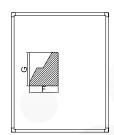












With Professional Staff, The Right Project and Choosing The Appropriate Equipment

%98,7 OF THE SMOKE RELEASED DURING COOKING IS FILTERED



COMMERCIAL KITCHEN EXHAUST AND FILTRATION SOLUTIONS









OTHER PRODUCTS



Airgold Portable Cooking Unit





Working Principle of Airgold Portable Cooking Unit

The oil vapor formed during cooking is collected in the hood with the exhaust fan integrated into the system. The oil and smoke particles in the polluted air advancing in the stainless air duct are kept with the help of the Electrostatic Filter in the system. The odor remaining in the air filtered from oil and smoke is released into the atmosphere in a smokeless and odorless manner by passing through the Activated Carbon Filters integrated into the system in appropriate amounts.

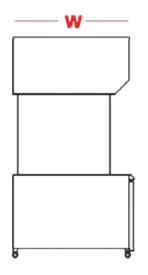
Since the emission values of the discharged air are low, the AIRGOLD Cooking Unit is environmentally friendly. With the filtering of oil, smoke and odor, there is no need for any air ducts or chimneys in the AIRGOLD Cooking Unit.

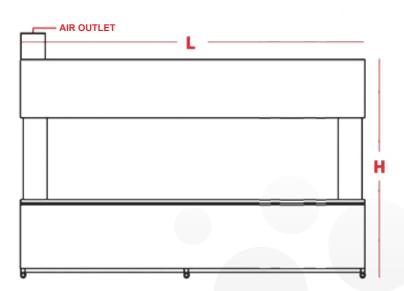
Working entirely with electricity, the AIRGOLD Cooking Unit consumes 1.5 kWh - 5.5 kWh. It is budget friendly with low power consumption.



MODEL	AIRGOLD-1250	AIRGOLD-2600	AIRGOLD-3400	AIRGOLD-5300
COOKING AREA LENGTH (mm)	1250	2600	3400	5300
COOKING AREA WIDTH (mm)	750	950	950	950
BENCH HEIGHT (mm)	800	850	850	850
ELECTRICAL VOLTAGE AND FREQUENCY (V/Hz)	220V /50 Hz	380 V/50 Hz	380 V/50 Hz	380 V/50 Hz
POWER USED (kW)	1,5 kW	2,2 kW	3 kW	5,5 kW
ACTIVATED CARBON FILTER	Optional	STANDART	STANDART	STANDART
MASS	250	700	1050	1450

MODEL	LENGTH (L)	WIDTH (W)	HEIGHT (H)
AIRGOLD-1250	1500 mm	1000 mm	2000 mm
AIRGOLD-2600	3200 mm	1250 mm	2250 mm
AIRGOLD-3400	4000 mm	1250 mm	2250 mm
AIRGOLD-5300	6000 mm	1250 mm	2250 mm







Control Panels

Frequency Control Panels are used to control the exhaust fan and filter system in environments where filtering systems are installed.

- The status / fault information and maintenance instructions on the HORECA Electrostatic Filter can also be read out via the control panel.
- In locations with a make-up air system, the frequency inverters of both devices (Filtration Device and Make-Up Air Device) are located in a single cabinet and are programmed so that the master-slave can operate synchronously.
- Frequency converters have a fire mode function. After the fire signal coming from the field, the frequency converter will start to operate at maximum speed and will ignore any error conditions.
- The panel of the filtration and make-up devices is connected via Modbus to the building management system.



- From the BMS, can get informations such as, Start / stop, fan running information, fan fault information, filter running information, ESP filter fault information, filter pollution warning information, air flow rate, fire mode operation information, manual operation information make up fan heating coil air outlet temperature information, freezing thermostat.
- When the Electrostatic Filter is not working, the control panels for operating the fan of the air cleaning system are equipped with BCS (By-Pass Control System).



Horeca HS Series Stainless Steel Honeycomb Filters

With a high filtration efficiency for large particle contaminants, a low overall resistance and tested and certified to a range of international standards, the HORECA stainless steel honeycomb filter is the most effective filter of its kind.





Model

Dimensions (mm)

Maximum Capacity

HS₀₂

495 x 254 x 50 mm **828 m³/h**, at 2.54 m/s speed

HS₀₄

495 x 495 x 50 mm **1854 m³/h**, at 2.54 m/s speed

HORECA oil, smoke and odor control application list in industrial kitchens

LOCATION	RESTAURANT
ANTALYA	HİLMİ KOKOREÇ
AXIS ISTANBUL	BAY DÖNER
AXIS ISTANBUL	KASAP DÖNER
AXIS ISTANBUL	MR.KUMPİR
AXIS ISTANBUL	MERSIN TANTUNI
AXIS ISTANBUL	ARDEN FRIED CHICKEN
IST WEST AVM	HACI SAYİD
MALL OF İSTANBUL	MC DONALDS
MALL OF ISTANBUL	NUR ABLA KARADENİZ SOFRASI
MALL OF ISTANBUL	RUMİ ETLİ EKMEK
MALL OF ISTANBUL	ŞÎLE CAFE
MALL OF ISTANBUL	HAPPYMOONS
	MOĞOL BARBEKÜ
AQUA FLORYA AVM	GREEN SALADS
AQUA FLORYA AVM BEYLİKDÜZÜ	CAN-U CAN KÖFTE
ZORLU CENTER	ALAÇATI RESTORAN
ZORLU CENTER	FOCACCÍA
ZORLU CENTER	ÇEVRE PAST.
ZORLU CENTER	TUNNEL GATE
BULVAR 216	PF CHANGS
UNIQ AVM	KARAFIRIN
VIAPORT VENEZZIA	MADO
VIAPORT VENEZZIA	BAY DÖNER
VIAPORT VENEZZIA	iki satir
VIAPORT VENEZZIA	ASLI BÖREK
VIAPORT VENEZZIA	KASAP DÖNER
VIAPORT VENEZZIA	KARAFIRIN
VIAPORT VENEZZIA	OYUN ALANI
BODRUM	DİVAN
VİAPORT KURTKÖY	FRESHBOX
KAVACIK	LOKANTIA
ESKİŞEHİR	KÖFTECİ YUSUF
ISTMARINA	BODRUM MANTI
ISTMARINA	ISSLAMA KÖFTE
BAĞCILAR	BURGER 7
39 BURDA	DAVID PEOPLE
39 BURDA	BURSA KEBAP EVİ
39 BURDA	BEREKET DÖNER
ETİLER	NUSR-ET
BODRUM	NUSR-ET
DUBAI	NUSR-ET
ABU-DHABI	NUSR-ET
FETHİYE	KFC
KARTAL	KFC
KUŞADASI	KFC
BİLKENT	KFC
VİAPORT TUZLA	KFC
GÖZTEPE	KFC
MEYDAN AVM	KFC
ÇORLU ORİON	KFC
VIAPORT MARÎNA	KFC
ATAŞEHİR	KFC
GÖKTÜRK	KFC
BURSA	KFC
SAKARYA	KFC
BATIKENT AVM	KFC
NEXT LEVEL AVM	KFC
OPTİMUM AVM	KFC
izmir	KFC
AKSARAY	KFC
ANKARA	KFC
AQUA FLORYA AVM	KFC

39 BURDA	TAVUK DÜNYASI
KAVACIK	TAVUK DÜNYASI
ANATOLIUM	TAVUK DÜNYASI
BODRUM	TAVUK DÜNYASI
izmir westpark	TAVUK DÜNYASI
İZMİR MAGNESIA	TAVUK DÜNYASI
MANİSA	TAVUK DÜNYASI
AVLU34	TAVUK DÜNYASI
ISTMARINA	TAVUK DÜNYASI
ÇORLU ORİON	TAVUK DÜNYASI
SAPPHIRE	TAVUK DÜNYASI
İZMİR HILLTOWN	TAVUK DÜNYASI
KAZASKER	TAVUK DÜNYASI
TEM POINT	TAVUK DÜNYASI
MECİDİYEKÖY	TAVUK DÜNYASI
BAĞCILAR	TAVUK DÜNYASI
ÇANAKKALE	TAVUK DÜNYASI
BURSA PARKUR	TAVUK DÜNYASI
PİYALEPAŞA	TAVUK DÜNYASI
IZMIR OPTIMUM	TAVUK DÜNYASI
GÖKTÜRK	TAVUK DÜNYASI
ANTALYA	TAVUK DÜNYASI
ANKARA OPTIMUM	TAVUK DÜNYASI
GAZÍANTEP	
	TAVUK DÜNYASI
DİYARBAKIR	TAVUK DÜNYASI
ANATOLIUM	TAVUK DÜNYASI
ISTMARINA	TAVUK DÜNYASI
39 BURDA	TAVUK DÜNYASI
BAHÇEŞEHİR	HASIRLI KONYA MUTFAĞI
EGE PERLA	BURSA KEBAP EVİ
MASLAK 1453	NAPOLIST PİZZA
PREMIER KAMPUS	PİZZA HUT
GAYRETTEPE	BURGERILLAS
ADANA	CARL'S JUNIORS
OSMANBEY	GARDEN İSKENDER
HADIMKÖY	BONFILET
ESENLER	ŞAKİR BURGER
YEŞİLKÖY	ŞAKİR BURGER
CEVİZLİBAĞ	ŞAKİR BURGER
BAYRAMPAŞA	ŞAKİR BURGER
BEŞİKTAŞ	FRANGO DÖNER
CAPACITY	GREEN SALADS
AQUA FLORYA	GREEN SALADS
KANYON	HUB RESTORAN
MALTEPE	MAHFEL SALONLARI
KADIKÖY	tarihi istanbul Köftecisi
BAKIRKÖY	ETÇİL RESTORAN
BODRUM	TIKE
ANATOLIUM	HD İSKENDER
ANATOLIUM	PİDEM
ETİLER	NISPETIYE KÖFTECİSİ
PENDİK	MARÍNA BALIK
KARTAL	DEDEMAN OTEL
MASLAK	YEMEKHANE
MAVİ BAHÇE AVM	SIR WINSTON
MAVİ BAHÇE AVM	DEFNE AĞACI
CADDEBOSTAN	CADDE BALIK
HİSARÜSTÜ	PARK KASAP
ÇORLU	IZABELLA PIZZA
EDİRNE	IZABELLA PIZZA
KIRKLARELİ	IZABELLA PIZZA
ULUS	LIV HOSPITAL
İZMİR	UÇAN BALIK
HALKALI	NONNA
GÖZTEPE	ÇAYLA KAFE
KADIKÖY	ÇAYLA KAFE
NİŞANTAŞI	OTELIST
KADIKÖY	BASTA
ÜMRANİYE	GALA STEAKHOUSE
İSTİNYE	ŞEHİR STEAKHOUSE
A)/A 7 A Č A	LIVE A LEAN HILLIAN L
AYAZAĞA 	TİKE STEAKHOUSE
ZEKERİYAKÖY	MUNCHBOX
ZEKERİYAKÖY	MUNCHBOX

El	LAZIĞ	DEDECAN KEBAP
	EYOĞLU	PERA PARMA OTEL
		ALPERENLER CAFE
Al	NKARA	BIS RESTORAN
K	AYSERİ	ŞAH MANGAL
K	AYSERİ	MAKAM-I SULTAN
ВІ	URSA	BEEF BURGER
BI	URSA	SULTAN PIDE SALONU
		ÖZ GIDA ET
		DONAS DÜRÜM
		PAPÌNO RESTORAN BEYZADE KEBAP
	· · · · · · · · · · · · · · · · · · ·	KEL'İN YERİ RESTORAN
		ÖZSÜT
		ÖZSÜT
DI	UMANKAYA	ÖZSÜT
Al	NKARA TREN GARI	ÖZSÜT
N	UROL PARK	ÖZSÜT
М	1EYDAN AVM	ÖZSÜT
		ÖZSÜT
		BURGER YİYELİM
		BURGER YİYELİM PUDCED YİYELİM
		BURGER YİYELİM BURGER YİYELİM
		BURGER YIYELIM
		BURGER YİYELİM
		BURGER YİYELİM
		BURGER YİYELİM
SI	ULTANGAZİ	BURGER YİYELİM
K	ABATAŞ METRO DURAĞI	ULAŞIM A.Ş FORNETTI CAFE
1.1	LEVENT METRO DURAĞI	ULAŞIM A.Ş FORNETTI CAFE
		ULAŞIM A.Ş FORNETTI CAFE
		ULAŞIM A.Ş FORNETTI CAFE
		ULAŞIM A.Ş FORNETTI CAFE
		ULAŞİM A.Ş FORNETTI CAFE
		ULAŞIM.A.Ş FOCACCIA CAFE ULAŞIM A.Ş KAVALYE CAFE
		ULAŞIM A.Ş KAVALYE CAFE
		BURGER KING
S	ANCAKTEPE	BURGER KING
G	AZİOSMANPAŞA	BURGER KING
KI	ÜÇÜKKÖY	BURGER KING
ВІ	URSA PARKUR	BURGER KING
	*	SOMUNARASI KÖFTE
		SOMUNARASI KÖFTE
		SOMUNARASI KÖFTE
		SOMUNARASI KÖFTE SOMUNARASI KÖFTE
		BAY DÖNER
		BAY DÖNER
		BAY DÖNER
İS	KENDERUN	BAY DÖNER
VI	IAPORT MARINA	BAY DÖNER
-		TONTON BABA
		TONTON BABA
		TONTON BABA
		TONTON BABA TONTON BABA
	.*	HİLTON OTEL
		MİENYU CAFE
		MICROSOFT
		MANA CAFE
K	ADIKÖY	KÖYÜM PİDE
G	ÖZTEPE	KÖYÜM PİDE
		MUMS CAFE
		PAPS CAFE
		CIZGARA
		VALÍDEM CAFE
		ADA GÜVEN CAFE HİKMET PİRZOLA
Al	PONO	THEMPETTINZULA







Clean Air Engineering







Province Istanbul District of Gaziosmanpasa, 559. Street No:19/A