

"As Necessary as Water and Air"

www.ecocycleheatpumps.com

HOW DOES IT WORK?

Heat Pumps with an Ecocycle

Ecocycle Heat Pumps are intended to be integrated into a wide range of heating and cooling systems.

Domestic Hot Water

Ecocycle Heat Pumps are simple to integrate into a home's plumbing system. It supports the warm atmosphere of your home with hot domestic water while saving up to 80% on energy.

System of Underfloor Heating

Ecocycle Heat Pumps can be easily integrated into a hydronic underfloor heating system, providing 20% more efficiency than radiators. The use of heat pumps to operate floor heating systems in buildings reduces environmental damage compared to other sources and provides more consistent and easily manageable heating.

∠ Radiator

Ecocycle Heat Pumps can be easily integrated into your home's radiator system. While providing the warm atmosphere with 80% energy savings, it supports this with hot domestic water.

\subseteq System of Fancoils

Ecocycle heat pumps can be integrated into Fancoil systems and save up to 80% on energy, making them ideal for heating in the winter and cooling in the summer.

Heating of the Pool

Pool heating systems can be equipped with Ecocycle Heat Pumps. You can save up to 80% on energy by heating and cooling open and indoor pools in the summer and cooling them in the winter.

Collector of solar energy

Ecocycle heat pumps can be used in conjunction with a solar panel system. Energy savings are realized, energy costs are reduced and reflected on bills, fossil fuel dependency is reduced, COP values of heat pumps increase, energy reliability in buildings increases, and the carbon footprint of buildings decreases.





Stage





Smart Defrost System



Quiet Operation



High Efficiency EBM Fan



High Capacity



High Density Insulation



Can Be Double Water Connected Directly Sensor



Optional Remote Control



Easy Easy Easy Error Installation Maintenance Detection



High Security Protection



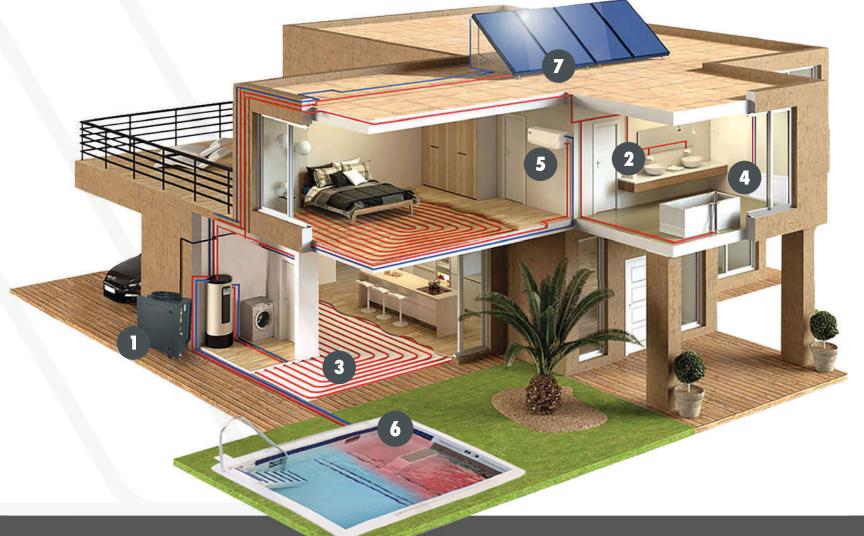
High Yield



Suitable for Cascade Installation



Accurate Temperature Control





WHY ECOCYCLE?



A++ Energy Certificates

Since 2015, Ecocycle Heat Pumps, the result of five years of R&D work, have provided cost-effective solutions to thousands of our customers. Ecocycle Heat Pumps, which we developed through extensive R&D, passed the tests performed in European energy laboratories and were awarded A++ energy certificates.

Widespread Service Network

The fact that Ecocycle Heat Pumps passed energy tests paved the way for global exports, particularly to Europe. On the other hand, we carry out our activities in other countries by collaborating with our distributorships in the United Kingdom, Holland, Serbia, and Romania.





Manage the Use Water Temperature!

You can adjust the domestic hot water temperature from the control panel's "domestic hot water" menu up to 60 degrees Celsius.



Set the Pool Temperature!

The ability to heat bath and pool water is a feature of Ecocycle Heat Pumps. In the winter, this could be the most comfortable and cost-effective way for you to use the pools at your hotels, gyms, estates, Turkish baths, and detached villas.

Maintain Control!

Set the operating program to "protection mode" if you want your heat pump to continue heating or cooling when you are not at home. Your pets, as well as your flowers, plants, and other items that may deteriorate in high temperatures, will be protected in this manner.





It's as if every season is Spring!

When you set the control panel to "comfort," the heat pump will operate in "comfort mode," providing you with warm and fresh energy in your building or home.

- All Ecocycle heat pump development and manufacturing takes place in Turkey.
- As Ecocycle heat pumps, we manufacture a variety of heat pumps, including soil, water, and air source heat pumps.
- We offer a variety of fixed speed and inverter heat pump solutions.
- All Ecocycle products have Szu test quality certificates, and some products have EHPA energy certificates.
- Inverter heat pumps with R32 refrigerant have been developed with liquid injection technology, and high leaving water temperatures can be achieved in harsh climatic conditions. (A-10/W55)
- All parts used in the production of Ecocycle heat pumps belong to well-known brands, and the detailed table is shared in the presentation file.
- Heat pumps of Ecocycle are entitled to be included in the official incentive list approved by the government in Germany and the Netherlands.
- All of the heat pumps we have developed are SG Ready (Smart Grid Ready), and if there is excess energy, we can store it by converting it into heat, or by communicating with the inverter in the PV systems.
- We can control all resources with our own software and determine resource priority by considering energy efficiency according to variables such as air temperature and desired water temperature with the hybrid operation feature. While doing all these, we can control the flame levels of combi boilers and boilers with our own software.
- The remote access device can be connected to all the models we manufacture. In this way, our customers can control their devices remotely via the mobile application, while we as the services and the manufacturer, can control all of the devices via the web browser. We can access technical information and makenecessary software updates remotely.
- With the outdoor air compensation feature that we offer as a standard in the control system, the ambient temperature value requested by the customer, the heating curve and the dynamic flow temperature set value determined according to the outside air temperature ensure high efficiency at all times.
- Thanks to the standard outdoor air compensation, users can adjust the water temperature, as in many other heat pumps, instead, they will adjust any temperature in the room. Thus, determining the temperature of the water in the heat pump in accordance with the desired indoor temperature and outdoor temperature ensures high comfort and efficiency of the system.

AIR TO WATER

Ecocycle Offers You the Best Solution for All Your Daily Needs...



"As Necessary as Water and Air"





Modes	Air	Water	Capacity	Productivity
Heating Mode	7°C	35°C	4,18-12,1 kW	COP 4.68
Cooling Mode	35°C	7°C	3,74-9,6 kW	EER 3.19

12kW	Capacity
r Panasonic Sanyo - DC Twin Rotary	Compressor
Pump Built-in	Circulation Pump
Modes Heating, Cooling, Hot Water	Operating Modes
ply 220V	Power Supply
d R32	Cooling Fluid
nensions G/D/H/mm 1215/500/830	Product Dimensions



















Modes	Air	Water	Capacity	Productivity
Heating Mode	7°C	35°C	5,4-15,63 kW	COP 4,72
Cooling Mode	35°C	7°C	4,6-11,8 kW	EER 3,23

16kW	Capacity
Panasonic Sanyo - DC Twin Rotary	Ciculation Pump
Built-in	Compressor
Heating, Cooling, Hot Water	Operating Modes
220V	Power Supply
R32	Cooling Fluid
1215/500/830	Product Dimensions G/D/H/mm





















Modes	Air	Water	Capacity	Productivity
Heating Mode	7°C	35°C	7,2-21,8 kW	COP 4,61
Cooling Mode	35°C	7°C	6,4-16,7 kW	EER 3,24

Capacity	22kW
The Circulation Pump	Not built-in
Compressor	Mitsubishi DC Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380V
Product Dimensions G/D/H/mm	R410A
Total Weight (kg)	210

















Modes	Air	Water	Capacity	Productivity
Heating Mode	7°C	35°C	13,6-39,8 kW	COP 4,62
Cooling Mode	35°C	7°C	12,1-31,3 kW	EER 3,23

Capacity	40kW
The Circulation Pump	Not built-in
Compressor	Mitsubishi DC Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380V
Coolant Fluid	R410A
Product Dimensions G/D/H/mm	1210/1090/1400
Total Weight (kg)	400







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Ecocycle M65











Modes	Air	Water	Capacity	Productivity
Heating Mode	7°C	35°C	24,3-60,8 kW	COP 4,64
Cooling Mode	35°C	7°C	13,4-47,1 kW	EER 3,26

Capacity	65kW
The Circulation Pump	Not built-in
Compressor	Mitsubishi DC Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380V
Coolant Fluid	R410A
Product Dimensions G/D/H/mm	1210/1090/1400
Total Weight (kg)	405







			Ecocycle M12	Ecocycle M1
	Rated Power	kW	4,18-12,1	5,4-15,63
Heating A7/W35	Rated Input Power	kW	8,86-2,59	1,1-3,27
_	COP	W/W	4,68	4,72
	Rated Power	kW	3,74-9,6	4,6-11,8
Cooling A35/W7	Rated Input Power	kW	1,03-3,25	1,38-3,98
	EER	W/W	3,19	3,23
Minimum-	-Maximum Speed(rps)		60-26	74-32
	Compressor		Panaso	nic-Sanyo
Co	mpressor type		DC Tw	in Rotary
Cor	npressor driver		5	Step
He	eat exchanger		SWEP Brazed Plate Heat Exchanger	
	Fan		EBM EC	
	Refrigerant		R32	
Max outle	et water temperature		6	1°C
Minimun	n outdoor operating temperature		-2	22°C
Maiı	n Control Board		Siemer	s RVS 21
	User Units		Siemer	is AVS 74
C	ontrol Panel		Siemens QAA 74	
Electror	ic Expansion Valve		Danfo	oss ETS
	Width	mm	1	215
Dimensions	Depth	mm	Į.	500
	Height	mm	3	330
	Voltage	V	2	220
Electricity	Phase		IV	ono
Electricity	Maximum Amperage	А	19	25
	Frequency	Hz		50
	Defrost Type		Active	-Passive
Co	oling Strategy		А	ctive

			Ecocycle M22	Ecocycle M40	Ecocycle M6
Heating A7/M25	Capacity Range	kW	7,2-21,8	13,6-39,8	24,3-60,8
Heating A7/W35	COP	W/W	4,61	4,62	4,64
Cooling A35/W7	Capacity Range	kW	6,4-16,7	12,1-31,3	12,4-47,1
Cooling Ass/W/	EER	kW	3,24	3,23	3,26
Comp	pressor Brand			Mitsubishi	
Com	pressor Type			DC Scroll	
Comp	pressor Driver		Mitsubishi Frecon		Frecon
Hea	Heat Exchanger		SWEP Brazed Plate Heat Exchanger		hanger
	Fan		EBM EC		
R	efrigerant		R410A		
Max Outlet	Water Temperature		60°C		
Minimum Ou	side Air Temperature			-25°C	
	Width	mm	1200	12	10
Dimensions	Depth	mm	540	10	90
Dimensions	Height	mm	1750	14	00
	Weight		210	400	405
	Voltage	V		380	
Flootrical	Phase			Three	
Electrical	Maximum Current	А	27	40	55
	Frequency	Hz		50	-



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Ecocycle S12



Modes	Air	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	12,60 kW	COP 4,31
Heating Mode 2	7°C	45°C	12,20 kW	COP 3,36
Cooling Mode	35°C	7°C	9,35 kW	EER 2,55
Hot Water Mode	20°C	55°C	13,88 kW	COP 4,11

Capacity	12kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380-420V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	1360/500/1160
Total Weight (kg)	138







Ecocycle S16









Modes	Air	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	15,88 kW	COP 4,36
Heating Mode 2	7°C	45°C	14,98 kW	COP 3,38
Cooling Mode	35°C	7°C	12,00 kW	EER 2,56
Hot Water Mode	20°C	55°C	20,16 kW	COP 4,20

pacity	16kW
e Circulation Pump	Not built-in
mpressor	Panasonic Scroll
erating Modes Heat	ting, Cooling, Hot Water
ver Supply	380-420V
plant Fluid	R407C
duct Dimensions G/D/H/mm	1360/500/1160
al Weight (kg)	148







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Ecocycle 13



Modes	Air	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	12,32 kW	COP 4,25
Heating Mode 2	7°C	45°C	12,02 kW	COP 3,25
Cooling Mode	35°C	7°C	9,28 kW	EER 2,53
Hot Water Mode	20°C	55°C	13,72 kW	COP 4,15

Technical Details

Capacity	13kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380-420V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	717/753/803
Total Weight (kg)	135







Cooling

Heating

Details





Capacity	26kW
The Circulation Pump	Notbuilt-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380-420V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	927/803/1003
Total Weight (kg)	210











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Ecocycle 39



Modes	Air	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	31,67 kW	COP 4,28
Heating Mode 2	7°C	45°C	30,04 kW	COP 3,32
Cooling Mode	35°C	7°C	22,39 kW	EER 2,49
Hot Water Mode	20°C	55°C	39,24 kW	COP 4,28

Capacity	39kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380-420V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	1030/953/1003
Total Weight (kg)	270







Details





Capacity	46kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Cooling, Hot Water
Power Supply	380-420V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	1030/953/1003
Total Weight (kg)	310











			Ecocycle S-12	Ecocycle S-10		
	Capacity(1)	kW	13,88	20,16		
Hot Water	Power	kW	3,38	4,80		
	COP(1)	W/W	4,11	4,20		
	Capacity(2)	kW	12,60	15,88		
	Power	kW	2,92	3,64		
	COP(2)	W/W	4,31	4,36		
	Capacity(3)	kW	12,20	14.98		
Heating	Power	kW	3,63	4,43		
	COP(3)	W/W	3,36	3,38		
	Operating Temperature Range	°C	-15/+45	-15/+45		
	Max Outlet Water Temperature	°C	56	56		
	Capacity(4)	kW	9,35	12.00		
	Power	kW	3,67	4,68		
Cooling	EER	W/W	2,55	2,56		
	Operating Temperature Range	°C	+24/+43	+24/+43		
	Min Outlet Water Temperature	°C	5			
	Туре		Scr	roll		
Cable Section	Refrigeran	- :				
	Quantity		R407C 1			
Exchanger	Туре	· · · · · · · · · · · · · · · · · · ·				
	Туре		Axial			
	Brand					
Fan	Fan Speed					
	Sound Lev		52 dB 53 dB			
	Fan Motor Input		220-270 W	220-270 W		
	Width	mm	1360	1360		
D	Depth	mm	500	500		
Dimensions	Height	mm	1110	1110		
	Weight	kg	138	148		
So	und Level	dBA	60	62		
Recirc	ulation Pump	m³/h	2,5	3		
Device	Pressure Loss	Kpa	30	38		
Cab	le Section	mm²	5x2	.5		
	Fuse	А	2	0		
(Input-Outp	ut) Pipe Diameter	mm²	1 1/4"			
Voltage		V/PH/HZ	380/3/50			
Addit	ional Heater		Opti	onal		
	natic Defrost		Ye			
	e Protection System		Ye			
	e Protection System		Ye			
	551 measurement standards). Outside tempera	ture DT 20 °C V				
	51 measurement standards). Outside temperatu					

^{(4):} Cooling Power A35/W7-12 (In EN14551 measurement standards). Outside temperature 35 °C.

			Ecocycle 13	Ecocycle 26	Ecocycle 39	Ecocycle 4	
	Capacity(1)	kW	13,72	26,24	39,24	46,03	
Hot Water	Power	kW	3,30	6,20	9,16	10,58	
	COP(1)	W/W	4,15	4,20	4,28	4,35	
	Capacity(2)	kW	12,32	21,93	31,67	38,01	
	Power	kW	2,90	5,10	7,40	8,80	
	COP(2)	W/W	4,25	4,30	4,28	4,32	
Heating	Capacity(3)	kW	12,02	20,44	30,04	36,33	
Heating	Power	kW	3,70	6,10	9,05	10,75	
	COP(3)		3,25	3,35	3,32	3,38	
	Operating Temperature Range	°C	·	-10	/+45		
	Max Outlet Water Temperature	°C		5	56		
	Capacity(4)	kW	9,28	15,53	22,39	26,75	
	Power	kW	3,27	6,06	8,99	10,70	
Cooling	EER	W/W	2,53	2,56	2,49	2,50	
	Operating Temperature Range	°C		+24	/+43		
	Min Outlet Water Temperature	°C			5		
Type			Scroll				
Compressor	Refrigerant		R407C				
	Quantity		1				
Heat Exchanger	Туре		Brazed Plate Heat Exchanger				
	Туре		Axial				
	Brand		Rosenberg				
Fan	Fan Speed		915-1015 rpm	620-850 rpm	670-880 rpm	670-880 rpr	
	Sound Level		52 dB	55 dB	58 dB	58 dB	
	Fan Motor Input Power	-	220-270 W	460-550 W	521-600 W	521-600 W	
	Width	mm	717	927	1027	1030	
Dimensions	Depth	mm	753	803	953	953	
Dilliensions	Height	mm	803	1003	1003	1003	
	Weight	kg	135	210	270	310	
;	Sound Level	dBA	62	64	68	68	
Rec	irculation Pump	m³/h	2,5	4	6	6,5	
Devic	ce Pressure Loss	Кра	30	40	50	55	
Cable Section		mm²	5x2.5	5x4	5x4	5x4	
Fuse		Α	20	20	40	40	
(Input-O	utput) Pipe Diameter	mm²		1 1	/4"		
	Voltage	V/PH/HZ		380/	/3/50		
Ad	ditional Heater		Optional				
	tomatic Defrost		Yes				
	ure Protection System		Yes				
					es		

^{(2):} Heating Power A7/W35-30 (In EN14551 measurement standards). Outside temperature DT 7 °C, WT 6 °C (3): Heating Power A7/W45-40 (In EN14551 measurement standards). Outside temperature DT 7 °C, WT 6 °C

^{(4):} Cooling Power A35/W7-12 (In EN14551 measurement standards). Outside temperature 35 °C.

WATER TO WATER

MW and W-Series Heat Pumps ara currently the most efficient ground source heat pumps available on the market.



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Ecocycle W13





Capacity	13kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Hot Water
The Mixture Of The Valves	External
Power Supply	380V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	710/710/1020











Ecocycle W17









Modes	Source	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	17,62 kW	COP 5,21
Heating Mode 2	12°C	45°C	19,65 kW	COP 4,26

Capacity	17kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Hot Water
The Mixture Of The Valves	External
Power Supply	380V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	710/710/1020





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Ecocycle W25





Capacity	25kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Hot Water
The Mixture Of The Valves	External
Power Supply	380V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	710/710/1020











Ecocycle W50









Modes	Source	Water	Capacity	Productivity
Heating Mode 1	7°C	35°C	49,10 kW	COP 5,21
			,	,
Heating Mode 2	12°C	45°C	54,50 kW	COP 4,62

Capacity	50kW
The Circulation Pump	Not built-in
Compressor	Panasonic Scroll
Operating Modes	Heating, Hot Water
The Mixture Of The Valves	External
Power Supply	380V
Coolant Fluid	R407C
Product Dimensions G/D/H/mm	710/710/1020





	Capacity(1) COP	kW					
			13,6	17,62	22,75	49	
		W/W	5,23	5,21	5,24	5,21	
	Operating temperatures	°C	+7/+35	+7/+35	+7/+35	+7/+35	
leating	Capacity(2)	kW	15,96	20,75	26,95	57,7	
	COP	W/W	6,16	6,14	6,14	6,03	
	Operating temperatures	°C	+12/+35	+12/+35	+12/+35	+12/+35	
	Max outlet water temperature	°C		6	1		
	Brand			Panas	sonic		
Compressor	Туре			Scr	oll		
	Quantity		1				
	Width	mm	710				
Dimensions	Depth	mm	710				
	Height	mm	1020				
	Main Control Board			Siemens			
Electrical	Operator Unit		Siemens				
	Room Unit		Siemens				
Sound Level		dBA	42	39	46	55	
Cable	Section	mm²	5x4	5x2,50	5x4	5x4	
Drop of	Pressure	mss	3	3.8	4	5.5	
F	use	А	25	25	32	32	
(Input-Output) Pipe Diameter		DN	1 1/4'				
Voltage		V/PH/HZ	380/3/50				
Refrigerant		_	R407C				
Domestic Hot Water			Yes				
Low Pressure Protection System			Yes				
High Pressure I	Protection System		Yes				
1) : Heating Power W10-7 / W35-30 (EN14			-				

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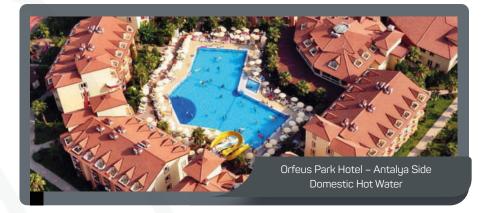






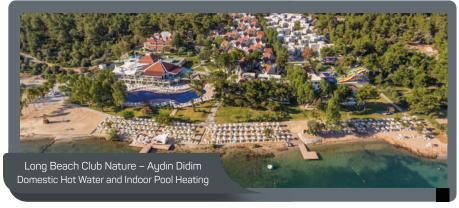








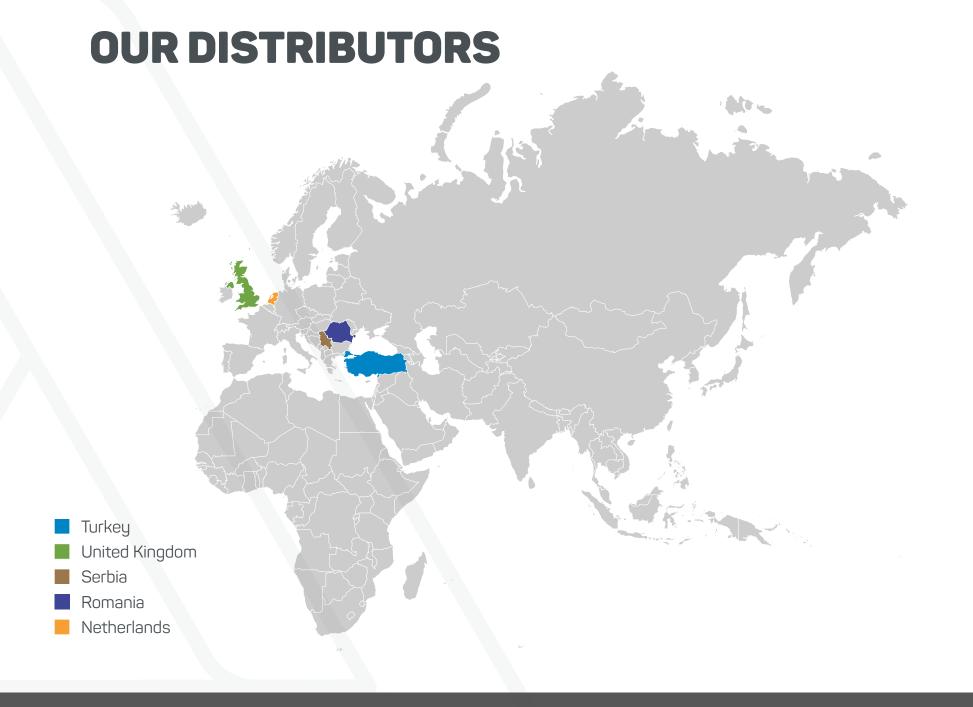






Antalya Öğretmen Evi	Antalya	Domestic Hot Water
Antalya 3. Piyade Tugayı	Antalya	Domestic Hot Water
Bimuz Muz Üretim Tesisleri	Antalya / Manavgat	Greenhouse Hot Water
Antalya Organize Sanayi Müdürlüğü	Antalya	Greenhouse Hot Water
Antalya Büyükşehir Belediyesi Döşemealtı Huzurevi	Antalya	Domestic Hot Water
Hun Club Hotel	Antalya	Domestic Hot Water
Kleopatra Life Hotel	Antalya / Alanya	Domestic Hot Water
Palm D'or Hotel	Antalya / Side	Domestic Hot Water
Rixos Personel Lojmanları	Antalya / Kemer / Göynük	Domestic Hot Water
Matiate Hotel	Antalya / Kemer / Beldibi	Domestic Hot Water
Asia Hotel	Antalya / Kemer / Beldibi	Domestic Hot Water
Özer Park Hotel	Antalya / Kemer / Beldibi	Domestic Hot Water
PGS Hotel Rose Resort	Antalya / Kemer	Domestic Hot Water

Residence Rivero Hotel	Antalya / Kemer	Domestic Hot Water
Grand Viking Hotel	Antalya / Kemer	Domestic Hot Water
Grand Viking Hotel Kiriş	Antalya / Kemer	Domestic Hot Water
Asdem Park Hotel	Antalya / Kemer	Domestic Hot Water
Himeros Hotel	Antalya / Kemer	Domestic Hot Water
Sirius Hotel	Antalya / Tekirova	Domestic Hot Water
Grand Çınar Hotel	Antalya / Kumluca	Domestic Hot Water
Kumluca Devlet Hastanesi	Antalya / Kumluca	Domestic Hot Water
Kumluca Uygulama Oteli	Antalya / Kumluca	Domestic Hot Water
Özel Medikum Hastanesi	Antalya / Kumluca	Domestic Hot Water
Habesos Hotel	Antalya / Kaş	Domestic Hot Water
Turquoise Hotel	Muğla / Bodrum	Indoor Pool Heating
Fırat Boru Karides Yetiştirme Tesisleri	İzmir / Ayvalık	Fish Pool Heating
Astra Öğrenci Yurdu	Kıbrıs / Gazimagosa	Domestic Hot Water
Atıksu Arıtma Tesisi	Mersin / Tarsus	Domestic Hot Water





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