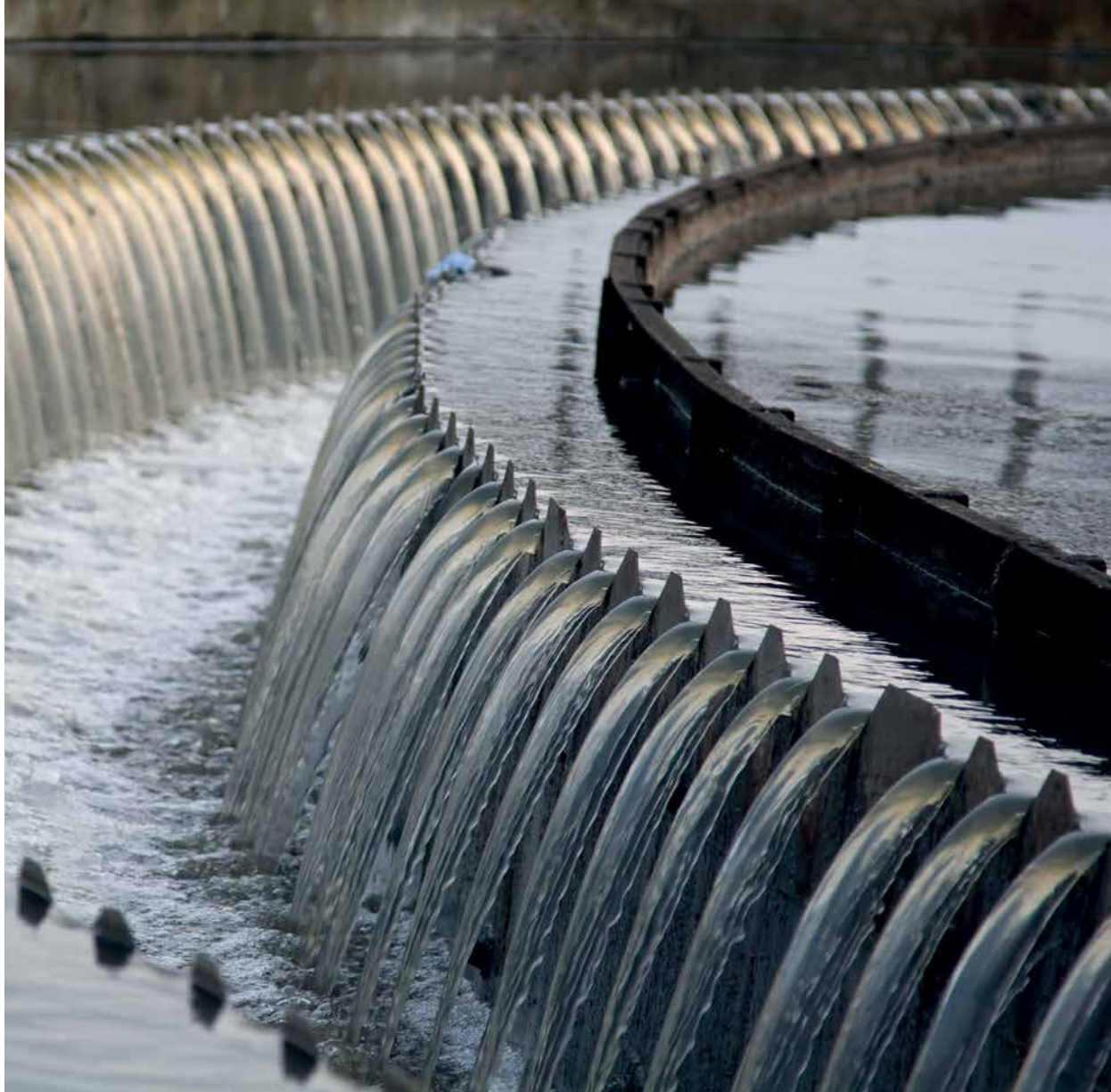


WASTE WATER & GREY WATER



professional treatment solutions
turning your water into benefit



with our quality, we are everywhere there is water



- | | | | |
|-----------------|-----------------|-----------------|----------------------|
| → Asia | → Europe | → Africa | → Middle East |
| Afghanistan | Albania | Algeria | United Arab Emirates |
| Azerbaijan | Bulgaria | Cameroon | Iraq |
| Bangladesh | Cyprus | Djibouti | Iran |
| Georgia | Greece | Egypt | Israel |
| India | Ireland | Ethiopia | Jordan |
| Japan | Latvia | Ghana | Oman |
| Kazakhstan | Malta | Guinea | Palestine |
| Kyrgyzstan | Moldova | Libya | Qatar |
| Myanmar | Romania | Maldives | Syria |
| Nakhichevan | Slovakia | Morocco | Saudi Arabia |
| Nepal | Ukraine | Niger | Yemen |
| Uzbekistan | | Nigeria | |
| Pakistan | | Sierra Leone | |
| Russia | | Sudan | |
| Sakhalin Island | | Tunisia | |
| Tajikistan | | Zambia | |
| Turkmenistan | | | |

Our company, which has been serving in the treatment sector since 1989, has entered into a joint investment with Aquamatch Inc. in 1996 and started designing and producing in Turkey. Since 2003, it has been an engineering and treatment company with 100% Turkish capital.

Our company has become one of the world's leading companies of water and wastewater treatment sector by signing big references and projects in 4 continental and more than 50 countries.

Professional treatment solutions Turning your water into benefit

- 9000 m² indoor production facilities in Aydın
- Installation of mega desalination and wastewater recovery facilities
- Over 20 years of deep knowledge and manufacturing experience in membrane technologies
- Sales and technical services with 16 dealers in 10 different cities
- Installation and operation of turnkey water & wastewater treatment systems at home and abroad
- Engineering, design, manufacturing, sales and after sales services staff of about 300 people together with our dealers





Gümbet Waste Water (Sewage) Treatment Plant Bodrum/Muğla

Capacity:
10.000 m³/day
60.000 People Capacity Biological Waste Water Treatment Plant

Gümüslük Waste Water (Sewage) Treatment Plant Bodrum/Muğla

Capacity:
2000 m³/day
10.000 People Capacity Biological Waste Water Treatment Plant
Odor Treatment : It has been designed to remove odors that occur at aeration, settling and sludge thickening tanks.



Habom Grey Water Treatment System / Istanbul

Capacity:
100 m³/day MBR System, Dry Type

Özyeğin University Grey Water Treatment System / Istanbul

Capacity:
60 m³/day Graded Filtration + UF System



→ Package Domestic Wastewater Treatment Systems

Package Wastewater (Sewage) Treatment Plants are used to treat the domestic wastewater. Units are manufactured from carbon steel material or can be done as concrete (by client) where the mechanical & electrical equipments are supplied by us.

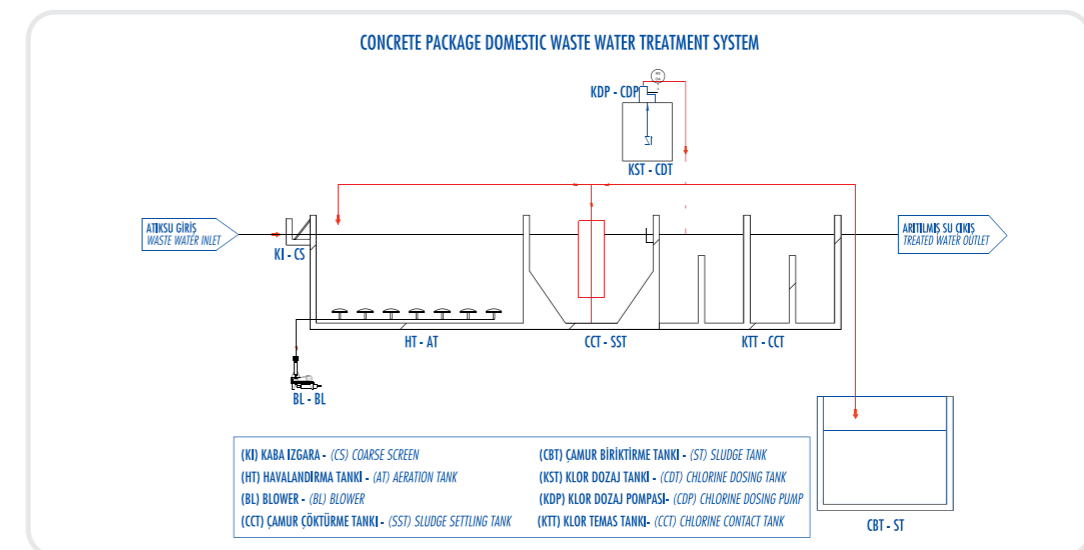
General Features

- Epoxy Coated Carbon Steel Tanks
- Mechanical Equipments for Concrete Plants
- Basket Screen
- Blower & Diffusers
- Weirs & Sludge Return Pump
- Chlorine Dosing System
- PLC Control Panel



MODEL	Person	Organic Load	Capacity	Aeration Tank
		kg BOD5/day	m ³ /day	m ³
BT 6	100	6,5	17	17
BT 12	200	13	35	35
BT 24	400	26	69	69
BT 36	600	39	92	92
BT 45	1125	73,1	182	182
*BT Series: Concrete Tanks				
ST 3	75	4,9	12	12
ST 6	100	6,5	17	17
ST 15	200	13	35	35
ST 24	350	23	52	52
ST 27	400	26	57	57

*ST Series: Epoxy Coated Carbon Steel Tanks



→ Membrane Bioreactor (MBR) Systems

Membrane Bioreactor Systems are used for high removal of physical & organic pollutants from wastewater to obtain reusable water for plants where recycling is done.

MBR Systems are biochemical oxidation processes which are used to separate clean water and biomass physically with membrane barrier.

MBR Systems are applied in two different ways; as Submerged type and Side Stream type.

General Features

- Alum Dosing Unit & Rotating Disc Screen
- Blower & Diffusers
- System Feed Pump
- Submerged Type or Side Stream Type MBR Modules
- Product Water & Backwash & CEB Pumps
- Excess Sludge & Sludge Return Pumps
- Chlorine & Acid Dosing Units
- PLC Control Panel



MODEL	Capacity	Module Quantity	Module Area	Flux
	m ³ /day	m/h	m ²	lmh
MBR B 60	60	5	125	28
MBR B 170	170	10	250	28
*B Series: Submerged Type				
MBR K 30	30	1	33	38
MBR K 60	60	2	66	38
MBR K 120	120	4	132	38
MBR K 170	170	6	198	38

*K Series: Skid Mounted, Side Stream Type

Membrane Bioreactor Systems

- Good quality treated water is achieved, thus the treated wastewater can be recycled or reused.
- Turbidity: < 1 NTU
- Biological Contamination: None
- The system can be operated with high MLSS concentration (8-30 g/l). Therefore, smaller aeration tank is needed.
- Sludge formation is less.
- Settling tank is not required.
- Due to wastewater recycling, the sustainability of natural resources are provided.



→ Grey Water Treatment Systems

Grey water, which consists of showers, bathtubs and sinks, does not contain domestic or industrial wastewater. Grey water is 80% of domestic wastewater. By treatment of grey water, clean water for non-drinking applications is achieved.

Recycled Water Obtain Grey Water Treatment Systems; become usable in hotels, villas, factories, airports, green buildings for industrial, agricultural and domestic purposes; and can be used to meet the water needs of many areas such as;

- Toilet Reservoirs
- Irrigation
- Ponds
- Car Wash
- Feeding Fire Plumbing
- Feeding Cooling Tower

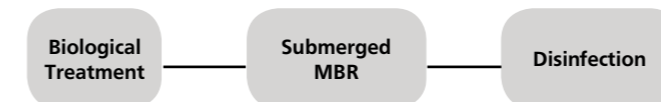
→ UF Series

With UF series, organic matter content of grey water is reduced, clear and hygienic water is obtained. UF series systems are preferred for easy and clean operation, smaller area requirements, easy intervention in case of problems, easy installation opportunities. Standard design capacities are 10, 20 and 40 m³/day in UF series grey water treatment systems.



→ Submerged Type MBR SERIES

Submerged MBR Systems are the technology that combines aerobic biological treatment and membrane filtration to provide water with high treatment efficiency. MBR units are compact and mobile construction systems that are immersed in a tank of submerged MBR membranes. Standard design capacities are 5, 10, 20, 40, 60 and 80 m³/day in Submerged series grey water treatment systems.



→ Side Stream Type MBR SERIES

MBR Systems are called "SideStream". When this system is used, there is no need for a sedimentation tank or a membrane tank. Moreover, it is easy to intervene the system in case of any failure due to its skid.

Standard design capacities are 30, 45 and 60 m³/day in Sidestream series grey water treatment systems.

