



AQUA MIT PRODUCT CATALOGUE



Your Satisfaction Is Our Priority;
Globalization Is Our Goal!



The second company in
Türkiye that exports to the
most different countries in
2021 , According to ISIB
(Türkiye HVAC-R)



The first condition of innovation is to question. Sustainable innovation is to never stop questioning.

For us, the journey of innovation started with a question: "Why not produce value-added technology in Türkiye?". The first turning point in this long journey was the birth of the MIT (Made In Türkiye) brand. The founding vision of MIT, which enabled us to become Türkiye's first domestic manufacturer in the field of "Plate Heat Exchanger", was not to be a domestic "alternative", but to create a quality brand that could compete in the global market.

By working for this goal, we have been entitled to receive many international quality certificates such as ISO, TSE, CE, GOST... for our products and processes over many years. For us, questioning the current situation was a natural result of our desire to exceed ourselves.

New Generation Engineering

With our engineering approach that focuses on the process, not the problem, we do not only specialise in one product, but also consider the entire ecosystem of that product. Therefore, we provide an end-to-end application by producing all other components that will form a system as well as the plate heat exchanger. For this, we focus on the continuous development of the necessary engineer staff. With our business development, pre-sales, sales and after-sales services provided by our expert engineers, we produce not only products but also "solutions".

At the point we have reached; we offer complementary services with our internationally approved plate heat exchangers, components such as accumulation tanks, boilers, industrial pumps and installation materials that turn these heat exchangers into a system. With our team of more than 100 expert engineers, we continue to develop as a solution partner for projects requiring high technology in more than 60 countries.



HEAT TRANSFER PRODUCTS

- Gasketed Plate Heat Exchangers
- Brazed Heat Exchangers
- Shell & Tube Heat Exchangers
- Evaporators and Condensers
- DC Fan Driven Oil Coolers
- Heating Coils
- Serpentine / Radiators / Economizers

PRESSURE VESSELS

- Water Heater Tanks
- Water Storage Tanks
- Buffer Tanks
- Expansion Tanks / Automatic Pump Controlled Expansion Systems
- Stainless Steel Tanks
- Hydraulic Balance Tanks / Air Separators / Sediment Separators
- Magnetic Sediment Separators / Magnetic Filters / Bag Filters
- Air Tubes
- Steam Separators
- Pressured Air Tanks
- Neutralization Units

INDUSTRIAL AND FOOD GRADE SYSTEMS

- Heat Stations
- Industrial Process Systems
- Dosing Systems
- Thermoregulators
- Pasteurizers
- CIP and Hygienic Process Systems
- Hygienic Storage and Process Tanks
- Custom-Made Stainless Steel Tanks
- Reactors
- Homogenizers

FLUID TRANSFER PRODUCTS

- Lobe Pumps
- Hygienic Centrifugal Pumps
- Twin Screw Pumps
- Gear Pumps
- Magnetic Drive Pumps / Thermoplastic Pumps
- Dosing Pumps
- Air Operated Double Diaphragm Pumps (AODD)
- Drum Pumps
- Monopumps
- Peristaltic (Hose) Pumps
- Centrifugal Blowers
- Roots Blowers

FLOW CONTROL UNITS

- Butterfly Valves
- Ball Valves
- Globe Valves
- Knife Gate Valves
- Actuators
- Check Valves and Strainers
- Pneumatic Piston Valves

ENERGY SYSTEMS

- Domestic and Industrial Boilers
- Steam Generators
- Chillers
- Cooling Towers

PRODUCT RANGE



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MIT Water Treatment Product Groups	17
Pool Water Treatment Unit	34
Wastewater Systems	35
Notes	37





From our product quality to value-added services; we owe our sustainable success to our established corporate culture in every field from employee to customer satisfactions.

Our comprehensive corporate policies pave the way for our corporate culture. Thanks to these policies, we design all our activities to offer the same quality regardless of individuals and market dynamics.

CORPORATE POLICIES



The secret of being the leading company in the heating and cooling sector lies in the people. We know in order to make a difference; it is necessary to have the staff to implement these policies flawlessly as well as the corporate policies created by experts in their fields with nearly 20 years of experience. We demonstrate our customer-oriented approach by reflecting the needs and expectations of the industry to our MIT branded products in the best possible way. We are raising the standards of the heating-cooling and air conditioning industry by combining our modern production and marketing understanding with our innovative approach with the valuable experience of our expert engineers.



OUR VISION

To make the MIT brand a reputable and leading global brand in all sectors in which Ekin Endüstriyel operates.

OUR MISSION

To provide sustainable benefit to all our stakeholders by using our resources effectively and efficiently within the framework of human and moral values.



AN ENGINEERING APPROACH FROM SALES TO MAINTENANCE

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance. With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



OUR QUALITY POLICY

It is our pleasure to share our knowledge; through value-added Before & After Sales Services. By generating proactive solutions, we are in close contact with our customer; from the pre-sale, up to the final production stages. By viewpoints of “High-Quality Products, Services & Solutions”, we manage our operations based on Sustainability and efficiency. We recognize ourselves as a Solution Partner in all Local & International projects & proceed through this motivation.



CUSTOMER SATISFACTION POLICY

We aim for sustainable quality with a proactive approach that anticipates rather than meets the need. We bring together a corporate management approach based on strategy, not personal considerations, with effective decision-making mechanisms, including our employees and suppliers. We run an operation based on efficiency and sustainability.



ETHICAL VALUES

We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.

PRIVACY POLICY

All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.

OCCUPATIONAL HEALTH AND SAFETY (OHS) POLICY

We prioritize a single rule in all our operations: "It is the right of every human being to work in a healthy and safe environment." We minimize risks with preventive OHS practices and analyzes. We increase the awareness of our own personnel, our suppliers and subcontractors with trainings and guidance. We work with the understanding of "zero concessions" in compliance with Occupational Health and Safety Regulations and related laws.

ENVIRONMENTAL POLICY

We care about the prevention of waste in natural resource consumption. We keep the environmental pollutants and our wastes under constant control. We constantly inform our employees in this topic. We never compromise on compliance with the relevant legal legislation, and we wholeheartedly support all kinds of work that will benefit environmentally friendly technologies and social awareness.

INFORMATION SECURITY POLICY

All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.



SPONSORSHIP AND SOCIAL RESPONSIBILITY

As Ekin Endüstriyel, we have been supporting projects that will bring social benefit from day one with our desire to develop and grow together. We strive to create and promote a sensitivity towards the future of our country and our world.

With our understanding of "Sponsorship and Social Responsibility", we regularly support various social sharing projects on education, health, and environment with great interest. We work diligently to fulfill our responsibilities towards our employees and heir families, customers, dealers, universities, non-governmental organizations, and other stakeholders.

In addition to the projects, we have implemented in a corporate sense, we support the projects created by students with all our strength in order to contribute to the raising of environmentally sensitive generations and to enlighten future generations. In addition, we prioritize the demands and needs of the projects in our region.

In the field of education, we are proud to provide support for many projects carried out domestically and nationwide. As the leading institution of the industry, we carry out projects focused on education and employment with vocational high schools and universities. In addition, innovation, we support the renewable energy, research, and R&D projects of student communities in Türkiye's elite universities.

We are also working with non-governmental organizations in the field of health. We regularly organize seminars to inform our employees in topics like blood donation, harms of smoking and similar health-related issues. We wholeheartedly support projects carried out in the field of health at every opportunity.

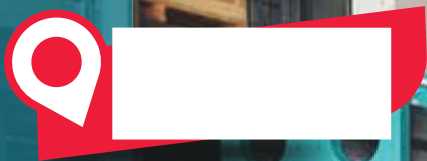
While contributing to the national economy and employment with our investments, we strive to achieve a vision that tries to be a pioneer and an example to the society with our sponsorship and social responsibility projects and the voluntary support of our employees. We prioritize projects that generate permanent benefits to create sustainable effects with our social responsibility efforts.



WE USE THE RESOURCES WE HAVE MORE
EFFICIENTLY AND TAKE CARE TO PROVIDE THE
MOST EFFECTIVE RECYCLING WITHIN OUR
COMPANY. **WE ADOPT TO ACT WITH CARE
AND SEE IT AS A REFLECTION OF OUR
RESPECT FOR THE ENVIRONMENT,
HUMANITY, FUTURE GENERATIONS, AND
OURSELVES.**

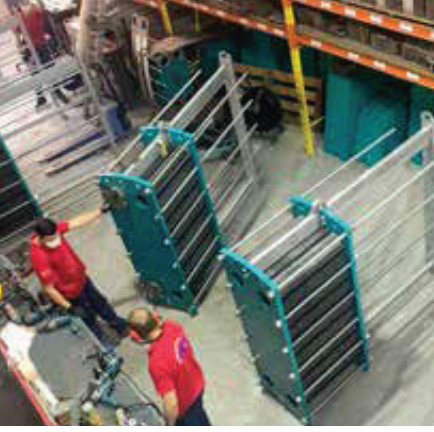


OUR FACILITIES



HIGH
QUALITY, FAST
SHIPMENT &
AFTER SALES
SUPPORT!





We continue to produce solutions
with designs suitable for the process and
specific to your demand.

OUR FACILITIES



KIRKLARELİ



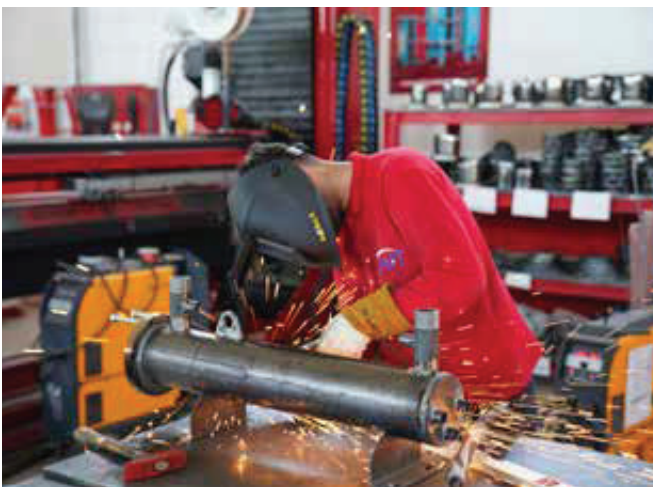
QUALITY
PRODUCTION
WITH INNOVATIVE
MANUFACTURING
APPROACH



OUR FACILITIES



AKSARAY

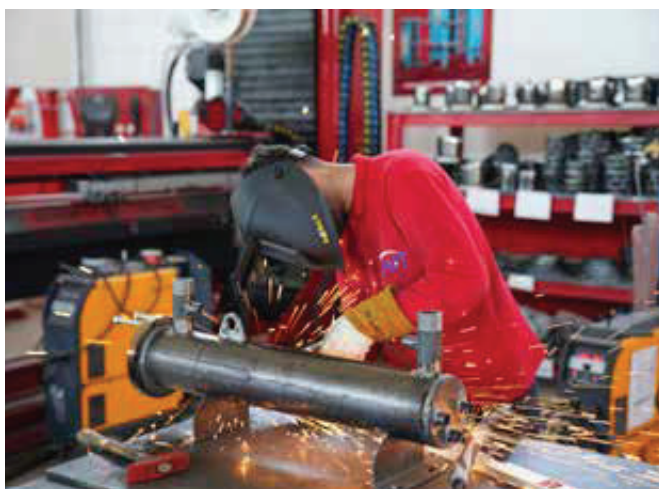




OUR FACILITIES



AKSARAY





OUR PRODUCTIONS



FROM
THE FIELD



OUR HISTORY

- 2005** As Ekin Endüstriyel, we have established our foot print as the very "First Domestic Plate Heat Exchanger" producer, applying "New Generation Engineering" approach.
- 2006** We succeeded as a locally technology possessor & pioneer of domestically producing company of heat exchanger; entiteled with MIT (Made in Türkiye) brand.
- 2007** We added the production of "Pressure Vessels" alongside our Plate Heat Exchanger, and continously growing.
- 2008** We added "Tubular Heat Exchangers" to our Heat Transfer Portfolio...
- 2009** In order to determine the most suitable heat exchangers for our customers' needs, our expert engineers started to offer the best solutions via using the heat exchanger selection software.
- 2010** Expansion Tank took its place in our product range, which provides pressure control and water support in plumbing systems.
- 2011** "MIT Brazed Plate Heat Exchanger" designed & produced for cooling-heating & ventilation processes.
- 2012** MIT brand has made its presence felt in 60 countries.
- 2013** Ekin moved the Headquarter to a new location in Des Industrial Zone.
- 2014** Foundation of our Kırklareli factory launched.
- 2015** "Fluid & Air Transfer" products added to Ekin product portfolio; & that enabled us to be responsive to our customers, in each & every field.
- 2016** Our 2500 m² factory in Kırklareli started commissioning.
- 2017** We started providing services in various engineering fields to meet our customers' expectations with "Package System" solutions.
- 2018** "MIT Cooling Towers", "Chillers" and "Steam Generators" have been included in our product range. "MIT point" Regional directorates started operations in four different countries.
- 2019** We never stopped moving forward and started manufacturing "MIT Boilers".
- 2020** We added Truevalve brand to our group of products.
- 2021** We added the hose pump group to our Fluid Transfer product range.
- 2022** We have been granted "2nd-Exporting Company of the Year 2021" award, by İSİB in Air Conditioning Sector.
- 2023** We integrated the new robot welding system into reactor tank production, enabling us to achieve flawless results. By minimizing human errors in manual welding processes, we have provided consistent and high-quality production.
- 2024** AHRI standards are used worldwide to verify the performance claims of our manufacturers and enable product comparisons among various manufacturers.
- 2025** The ASME Boiler and Pressure Vessel Code is your key to entering international markets. As a result of our efforts, we have received the ASME (U and S Stamped) Certificate.

Today;

trying to provide our business partners with best services, end-to-end equipment supply and unlimited supports.
With our innovative manufacturing approach and team-work spirit...

MIT Water Treatment Product Groups



Automatic Sediment Filter

Compact and innovative design with filtration options ranging from 30 to 100 microns. Equipped with an easily replaceable filter element system that protects machines from particles and provides a filter full warning.



Industrial Reverse Osmosis System

Engineered to transform even the most challenging water sources, such as seawater, into high-quality fresh water. Utilizes a high-pressure membrane filtration process to ensure efficient and consistent purification.



Single Water Softening Systems

Automatic water softening systems are designed to remove calcium (Ca) and magnesium (Mg) ions, which cause hardness in water. By reducing water hardness, these systems improve the quality of drinking water, enhance taste, and protect your equipment from scale buildup.



Ultrafiltration Systems

Ultrafiltration units provide advanced filtration using membranes with a pore size of 0.01 microns. They act as a complete barrier against bacteria, viruses, and other microorganisms without the need for chemical treatment, ensuring safe and clean water.



Multi-Media Systems

Multi-media filters are designed to remove suspended solids, turbidity, and other particles from water. The system consists of multiple layers of media with different granule sizes, carefully arranged within the vessel to ensure efficient filtration.



Portable Water Treatment Solutions

Containerized systems offer a professional and compact solution by protecting your reverse osmosis and filtration systems from external conditions. Depending on system capacity, reverse osmosis systems can be provided as a single or multi-container packaged solution. Containers can be customized to meet user needs, including thermal insulation, soundproofing, and integrated air-conditioning systems.

Sand Filtration Systems

Sand filters are used to remove suspended solids, turbidity, and other particles from water. The system is constructed with multiple layers of media with different granule sizes. In addition to separating solids from water, sand filters also protect downstream equipment by minimizing the load on subsequent filtration units. Properly filtered water extends equipment lifespan and improves overall efficiency. Sand filters are ideal for pretreatment in process and drinking water applications, as well as for removing turbidity from treated wastewater.

Sand Filters are used in process water and drinking water treatment. They are also used as purification or to remove the turbidity of purified water coming from wastewater treatment systems.



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-D-30	10"x35"	1"	1	1,5	10	23
MIT-D-50	10"x54"	1"	1	1,5	15	38
MIT-D-60	12"x48"	1"	1,5	2	20	40
MIT-D-80	13"x54"	1"	1,7	2,5	25	55
MIT-D-100	14"x65"	1"	2	3	35	70
MIT-D-150	16"x65"	2"	2,5	4	50	100
MIT-D-200	18"x65"	2"	3	5	75	115
MIT-D-250	21"x62"	2"	4,5	6,7	85	175
MIT-D-300	24"x72"	2"	5,8	8,75	100	225
MIT-D-500	30"x72"	2"	9	13,67	125	475
MIT-D-750	36"x72"	2"	13	19,7	175	650
MIT-D-900	48"x72"	2"	17,8	20	200	775

Surface Piping FRP & ST-37 Activated Carbon Filtration Systems



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-YB500	775x2050	50-50	9	14	140	475
MIT-YB750	975x2150	50-50	13	20	175	650
MIT-YB900	1075x2400	65-65	18	27	210	775
MIT-YB1200	1225x2400	65-65	23	35	315	1125
MIT-YB1600	1600x2500	80-80	40	60	560	2025

Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-D-ST1200	1250x2790	65-65	25	37	350	1375
MIT-D-ST1600	1600x3020	80-80	40	60	595	2375
MIT-D-ST1800	1800x3250	100-100	51	76	665	2500
MIT-D-ST2000	2000x3250	100-100	63	94	805	3150
MIT-D-ST2200	2200x3400	100-100	76	114	945	3700
MIT-D-ST2400	2400x3400	125-125	91	136	1155	4525
MIT-D-ST2800	2800x3750	150-150	123	185	1575	6200

Iron-Manganese-Arsenic Filtration Systems

Iron, manganese, and arsenic filters utilize special minerals to reduce iron and manganese levels in water up to 5 ppm, bringing them within drinking and domestic water standards (Fe = 0.2 ppm, Mn = 0.05 ppm). No additional reagents are required for these special minerals. The system also removes hydrogen sulfide, methane, free carbon dioxide, and high concentrations of organic contaminants from water.



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-DMA-100	14"x65"	1"	1,5	2	70	35
MIT-DMA-150	16"x65"	1"	1,7	2,5	100	50
MIT-DMA-200	18"x65"	2"	2	3	115	75
MIT-DMA-250	21"x62"	2"	2,5	3,9	175	85
MIT-DMA-300	24"x72"	2"	3	5	225	100
MIT-DMA-500	30"x72"	2"	4,5	7	483	150
MIT-DMA-YB500	30"x72"	50-50	4,5	7	483	150
MIT-DMA-YB750	36"x72"	50-50	6,5	10	693	250
MIT-DMA-YB900	42"x72"	65-65	9	13,5	924	300
MIT-DMA-YB1200	48"x72"	65-65	11,5	17	1218	500
MIT-DMA-YB1600	63"x86"	80-80	20	30	2100	800

Turbidex Filtration Systems

Turbidex sand filters are designed to remove suspended solids, turbidity, and other particles from water. Constructed with multiple layers of media with varying granule sizes, these filters not only separate solids from water but also protect downstream equipment. Proper filtration minimizes the load on subsequent treatment units, extending equipment lifespan and enhancing overall efficiency.



Sand filters are ideal for pretreatment in process and drinking water applications, as well as for removing turbidity from treated wastewater.

Hyper Filtration Media is primarily used as filter media for removing suspended solids. Made from aluminosilicate minerals, its granules provide excellent filtration due to their high surface area. The macro-porous structure of the media enables filtration of particles down to sizes below 5 microns.

Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-TFS-100	14"x65"	1"	1,5	2	70	35
MIT-TFS-150	16"x65"	1"	1,7	2,5	100	50
MIT-TFS-200	18"x65"	2"	2	3	115	75
MIT-TFS-250	21"x62"	2"	2,5	3,9	175	85
MIT-TFS-300	24"x72"	2"	3	5	225	100
MIT-TFS-500	30"x72"	2"	4,5	7	483	150
MIT-TFS-YB500	30"x72"	50-50	4,5	7	483	150
MIT-TFS-YB750	36"x72"	50-50	6,5	10	693	250
MIT-TFS-YB900	42"x72"	65-65	9	13,5	924	300
MIT-TFS-YB1200	48"x72"	65-65	11,5	17	1218	500
MIT-TFS-YB1600	63"x86"	80-80	20	30	2100	800

Activated Carbon Filtration Systems

Activated carbon filters are used to purify undesirable chlorine, dissolved gases, residues and organic substances that give color, taste and odor to water. Activated carbon is a coal-like material but has a very large surface area (1000-1500 m2/gr).

The efficiency of the active carbon filter is determined by the properties of the active carbon used in the filter bed and the correct filtration rate of the water. determines whether it is selected.



In Active Carbon Systems, In addition to the filtration mechanism during water purification The absorption mechanism also operates. For this reason, Active Carbon Filters are used for physico-chemical purification. tsystems. Activated Carbon Filters work fully automatically without the need for human intervention. 15-20 per day The Active Carbon Filter, which performs automatic backwashing for minutes, renews itself in this way. with activated carbon Another issue that should be taken into consideration is that the mineral deposit can create a suitable environment for bacterial growth. Because activated carbon accumulates organic matter and if there is bacteria in the water, the bacteria uses this organic matter as food. can reproduce using as. In such cases, bacterial leakage is possible. For this reason, activated carbon It is important to disinfect the water before and after.

Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-ARB-30	10"x35"	1"	1	1,5	15	-
MIT-ARB-50	10"x54"	1"	1	1,5	25	-
MIT-ARB-60	12"x48"	1"	1,5	2	30	10
MIT-ARB-80	13"x54"	1"	1,7	2,5	35	15
MIT-ARB-100	14"x65"	1"	2	3	45	15
MIT-ARB-150	16"x65"	2"	2,5	4	65	20
MIT-ARB-200	18"x65"	2"	3	5	80	50
MIT-ARB-250	21"x62"	2"	4,5	6,7	100	75
MIT-ARB-300	24"x72"	2"	5,8	8,75	125	100
MIT-ARB-500	30"x72"	2"	9	13,67	150	225
MIT-ARB-750	36"x72"	2"	13	19,7	225	325
MIT-ARB-900	48"x72"	2"	17,8	20	275	400

Frp & St-37 With Surface Piping Activited Carbon Filtration Systems



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-ARB-YB500	775x2050	50-50	9	14	150	225
MIT-ARB-YB750	975x2150	50-50	13	20	225	325
MIT-ARB-YB900	1075x2400	65-65	18	27	275	400
MIT-ARB-YB1200	1225x2400	65-65	23	35	400	550
MIT-ARB-YB1600	1600x2500	80-80	40	60	700	1000

Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat		Minerals	
			Velocity = 20 m/h	Max Velocity = 30 m/h	Anthracite (Lt)	Quartz (Kg)
MIT-ARB-ST1200	1250x2790	65-65	25	37	475	700
MIT-ARB-ST1600	1600x3020	80-80	40	60	850	1150
MIT-ARB-ST1800	1800x3250	100-100	51	76	1325	500
MIT-ARB-ST2000	2000x3250	100-100	63	94	1325	500
MIT-ARB-ST2200	2200x3400	100-100	76	114	1900	725
MIT-ARB-ST2400	2400x3400	125-125	91	136	1900	725
MIT-ARB-ST2800	2800x3750	150-150	123	185	2600	975

Water Softening Systems

Water softening systems remove calcium (Ca) and magnesium (Mg) ions, which cause hardness in water, improving both water quality and taste. These systems ensure soft water for drinking and domestic use while protecting equipment from scale buildup.

Softening systems operate fully automatically, performing regeneration on the desired day and time without any intervention. Saturated resin is regenerated with brine, effectively removing accumulated calcium and magnesium ions.



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat	Minerals		Salt Tank
			Velocity = 40 m/h	Resin (Kg)	Quartz (Kg)	Volume (Lt)
MIT-C10	08"x17"	1"	0,3	8	-	30*48*72
MIT-C20	08"x35"	1"	0,8	20	-	30*48*118
MIT-C25	09"x35"	1"	1	25	-	30*48*118
MIT-C30	10"x35"	1"	1,5	30	-	30*48*118
MIT-T50	10"x54"	1"	2	50	-	75
MIT-T60	12"x48"	1"	2,5	60	-	75
MIT-T80	13"x54"	1"	3	80	10	75
MIT-T100	14"x65"	1"	4	100	15	100
MIT-T150	16"x65"	1"	6	150	20	150
MIT-T200	18"x65"	2"	8	200	25	200
MIT-T250	21"x62"	2"	10	250	50	300
MIT-T300	24"x72"	2"	10	300	75	300
MIT-T500	30"x72"	2"	15	500	100	500
MIT-T750	36"x72"	2"	18	750	125	750
MIT-T900	48"x72"	2"	20	900	150	1000

Frp & St-37 With Surface Piping Water Softening Systems



Model	Tank Dimension	Connection Diameter Service - Drain - Salt Suction	Service Flow Rate m³/saat	Minerals		Salt Consumption (Kg)
				Resin (Kg)	Quartz (Kg)	
MIT-SY-YB500	30"x72"	50-50-25	20	500	125	80
MIT-SY-YB75	36"x72"	65-50-25	30	750	200	120
MIT-SY-YB900	42"x72"	65-50-25	36	900	225	144
MIT-SY-YB1200	48"x72"	80-50-40	48	1200	350	182
MIT-SY-YB1600	63"x86"	80-50-40	55	1400	750	224

Model	Tank Dimension	Connection Diameter Service - Drain - Salt Suction	Service Flow Rate m³/saat	Minerals		Salt Consumption (Kg)
				Resin (Kg)	Quartz (Kg)	
MIT-ST-YB-1200	1250x2650	80-50-40	50	1250	600	200
MIT-ST-YB-1600	1600x2850	100-50-40	70	1750	900	455
MIT-ST-YB-1650	1600x3350	100-80-50	100	2500	300	400
MIT-ST-YB-2000	2000x3050	125-80-50	125	3150	500	504
MIT-ST-YB-2200	2000x3550	125-80-50	150	3800	500	608
MIT-ST-YB-2400	2400x3250	150-80-50	180	4500	700	720

Tandem-Duplex Water Softening Systems

MIT Water Treatment Systems remove calcium (Ca) and magnesium (Mg) ions, which cause hardness in water, ensuring soft water for drinking and domestic use while improving taste.

Tandem-duplex softening systems operate fully automatically, performing regeneration on the desired day and time without intervention. Saturated resin is regenerated with brine, effectively removing accumulated calcium and magnesium ions and maintaining optimal system performance.



Model	Tank Size	Connection Diameter	Service Flow Rate m³/saat	Minerals		Salt Tank
			Velocity = 40 m/h	Resin (Kg)	Quartz (Kg)	Volume (Lt)
MIT-TSY-D10	08"x17"	1"	0,3	8x2	-	30*48*72
MIT-TSY-D20	08"x35"	1"	0,8	20x2	-	30*48*118
MIT-TSY-D25	09"x35"	1"	1	25x2	-	30*48*118
MIT-TSY-D30	10"x35"	1"	1,5	30x2	-	30*48*118
MIT-TSY-D50	10"x54"	1"	2	50x2	-	75
MIT-TSY-D60	12"x48"	1"	2,5	60x2	-	75
MIT-TSY-D80	13"x54"	1"	3	80x2	10x2	75
MIT-TSY-D100	14"x65"	1"	4	100x2	15x2	100
MIT-TSY-D150	16"x65"	1"	6	150x2	20x2	150
MIT-TSY-D200	18"x65"	2"	8	200x2	25x2	200
MIT-TSY-D250	21"x62"	2"	10	250x2	50x2	300
MIT-TSY-D300	24"x72"	2"	10	300x2	75x2	300
MIT-TSY-D500	30"x72"	2"	15	500x2	100x2	500
MIT-TSY-D750	36"x72"	2"	18	750x2	125x2	750
MIT-TSY-D900	48"x72"	2"	20	900x2	150x2	1000

FRP & ST-37 Surface-Piped Water Softening Systems



Model	Tank Dimension	Connection Diameter	Service Flow Rate m³/saat	Minerals		Salt Tank
			Velocity = 40 m/h	Resin (Kg)	Quartz (Kg)	Volume (Lt)
MIT-T-C10	08"x17"	1"	0,3	8	-	30*48*72
MIT-T-C20	08"x35"	1"	0,8	20	-	30*48*118
MIT-T-C25	09"x35"	1"	1	25	-	30*48*118
MIT-T-C30	10"x35"	1"	1,5	30	-	30*48*118
MIT-T-T50	10"x54"	1"	2	50	-	75

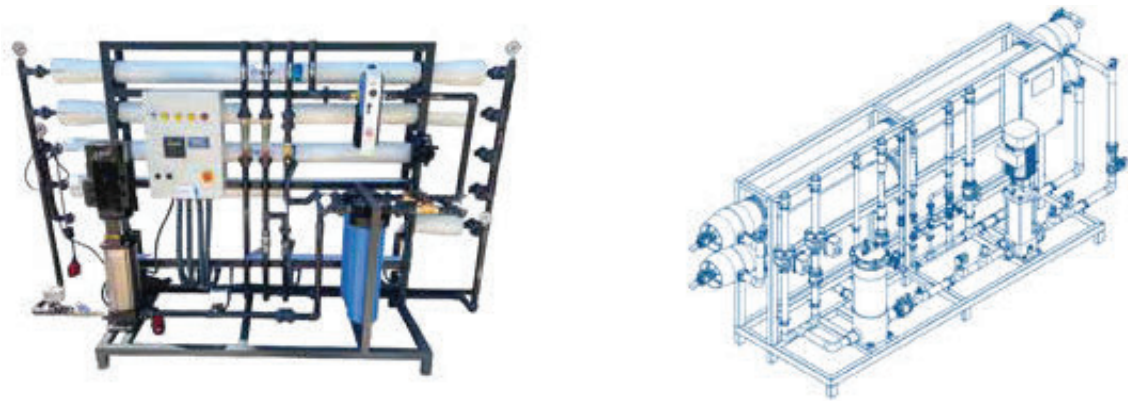
Model	Tank Size	Connection Diameter	Service Flow Rate m³/saat	Minerals		Salt Tank
			Velocity = 40 m/h	Resin (Kg)	Quartz (Kg)	Volume (Lt)
MIT-ST-C10	08"x17"	1"	0,3	8	-	30*48*72
MIT-ST-C20	08"x35"	1"	0,8	20	-	30*48*118
MIT-ST-C25	09"x35"	1"	1	25	-	30*48*118
MIT-ST-C30	10"x35"	1"	1,5	30	-	30*48*118
MIT-ST-T50	10"x54"	1"	2	50	-	75
MIT-ST-C30	10"x35"	1"	1,5	30	-	30*48*118

Industrial Reverse Osmosis Systems

Reverse osmosis (RO) is a membrane filtration process used to produce pure water by removing unwanted minerals from water sources where conventional treatment systems are insufficient, such as seawater, high-conductivity water, and well water.

Osmosis is a natural phenomenon in which water moves from a low-concentration area to a high-concentration area until equilibrium is reached. Reverse osmosis reverses this natural flow, effectively producing high-purity water.

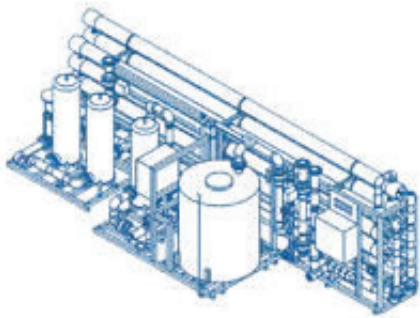
Industrial RO systems can be custom-designed and manufactured according to customer requirements, offering flexible configurations and design options for various applications.



Product Capacity	Membrane Type	Number of Membranes	Efficiency (%)	Motor Power
0,72	25*21	1	40	0,37
1,5	25*40	1	40	0,37
2	40*21	1	40	0,37
5	40*40	1	50	0,64
10	40*40	2	50	0,64
15	40*40	3	50	1,1
20	40*40	4	50	1,5
25	40*40	5	50	2,2
30	40*40	6	50	2,2
40	40*40	8	60	2,2
45	40*40	9	60	2,2
50	40*40	10	60	2,2
60	40*40	12	60	3
75	40*40	15	60	3

System performance may vary depending on the feed water quality.
System designs are based on 500 ppm TDS and 11 bar operating pressure.
For systems provided without detailed water analysis, or for water with TDS above 500 ppm, responsibility lies with the customer.

Industrial Reverse Osmosis Systems



Capacity @20C m³/saat	Number of Housings	Number of Membranes	Efficiency (%)
1	1	1	50
3	1	3	60
4	2	4	60
5	1	5	60
6	2	6	60
8	2	8	70
9	3	9	70
10	2	10	70
12	2	12	75
15	3	15	75
18	3	18	75
20	4	20	75
24	4	24	75
30	5	30	75
36	6	36	75
42	7	42	75
48	8	48	75
54	9	54	75
60	10	60	75
72	12	72	75
96	16	96	75

Stainless Bag Filter Bfm Series



- Stainless steel body AISI 304
- Electro-polished and passivated surface
- Filtration at desired micron rating
- Convenient bag cartridge replacement
- 1/4" pressure gauge connection
- 1/2" water drain connection
- Operating pressure: 2–8 bar
- Filtration range: 1–200 microns
- Operating temperature: 2–110 °C

Model	Filter Size	Flow Rate	Feature	Connection
MIT-BAG-FILTER-2025	20"	10 m³/h	MAPALI	DN25 1"
MIT-BAG-FILTER-2032	20"	10 m³/h	MAPALI	DN32 1"
MIT-BAG-FILTER-2040	20"	10 m³/h	MAPALI	DN40 1"
MIT-BAG-FILTER-2050	20"	10 m³/h	MAPALI	DN50 2"
MIT-BAG-FILTER-3025	30"	20 m³/h	MAPALI	DN25 1"
MIT-BAG-FILTER-3032	30"	20 m³/h	MAPALI	DN32 1"
MIT-BAG-FILTER-3040	30"	20 m³/h	MAPALI	DN40 1"
MIT-BAG-FILTER-3050	30"	20 m³/h	MAPALI	DN50 2"

Model	Filter Size	Feature	Mikron (µ)	Sizeut (mm)
MIT-BAG-FILTER-2025	20"	Plastik	25 µ	170*450 mm
MIT-BAG-FILTER-2050	20"	Plastik	50 µ	170*450 mm
MIT-BAG-FILTER-2100	20"	Plastik	100 µ	170*450 mm
MIT-BAG-FILTER-2200	20"	Plastik	200 µ	170*450 mm

Model	Filter Size	Feature	Mikron (µ)	Sizeut (mm)
MIT-BAG-FILTER-3025	30"	Plastik	25 µ	170*820 mm
MIT-BAG-FILTER-3050	30"	Plastik	50 µ	170*820 mm
MIT-BAG-FILTER-3100	30"	Plastik	100 µ	170*820 mm
MIT-BAG-FILTER-3200	30"	Plastik	200 µ	170*820 mm

*The image is for illustrative purposes; the manufacturer reserves the right to make changes to the product design.

*Bag filter is not included in the prices.

*Bag filter flow rates are specified for 5–10 micron filters.

*For SS316 grade, please consult your sales representative.

*For 16 bar models, please consult your sales representative.

*For 25 bar models, please consult your sales representative.

Stainless Bag Filter Bfm Series



- Stainless steel body AISI 304
- Electro-polished and passivated surface
- Filtration at desired micron rating
- Convenient bag cartridge replacement
- 1/4" pressure gauge connection
- 1/2" water drain connection
- Operating pressure: 2–8 bar
- Filtration range: 1–200 microns
- Operating temperature: 2–110 °C

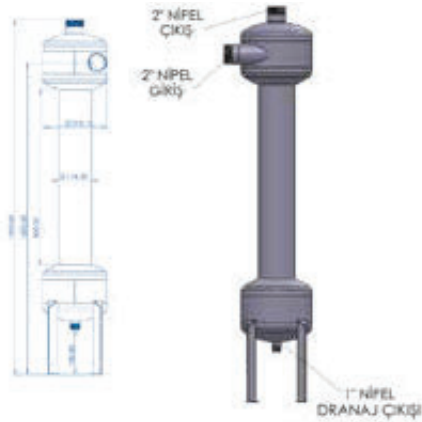
Model	Filter Size	Flow Rate	Feature	Connection
MIT-BAG-FILTER-2025	20"	10 m³/h	Screw Type	DN25 1"
MIT-BAG-FILTER-2032	20"	10 m³/h	Screw Type	DN32 1 ¼"
MIT-BAG-FILTER-2040	20"	10 m³/h	Screw Type	DN40 1 ½"
MIT-BAG-FILTER-2050	20"	10 m³/h	Screw Type	DN50 2"
MIT-BAG-FILTER-3025	30"	20 m³/h	Screw Type	DN25 1"
MIT-BAG-FILTER-3032	30"	20 m³/h	Screw Type	DN32 1 ¼"
MIT-BAG-FILTER-3040	30"	20 m³/h	Screw Type	DN40 1 ½"
MIT-BAG-FILTER-3050	30"	20 m³/h	Screw Type	DN50 2"

Model	Filter Size	Feature	Mikron (µ)	Size (mm)
MIT-BAG-FILTER-2025	20"	Plastik	25 µ	170*450 mm
MIT-BAG-FILTER-2050	20"	Plastik	50 µ	170*450 mm
MIT-BAG-FILTER-2100	20"	Plastik	100 µ	170*450 mm
MIT-BAG-FILTER-2200	20"	Plastik	200 µ	170*450 mm

Model	Filter Size	Feature	Mikron (µ)	Size (mm)
MIT-BAG-FILTER-3025	30"	Plastik	25 µ	170*820 mm
MIT-BAG-FILTER-3050	30"	Plastik	50 µ	170*820 mm
MIT-BAG-FILTER-3100	30"	Plastik	100 µ	170*820 mm
MIT-BAG-FILTER-3200	30"	Plastik	200 µ	170*820 mm

*Visual representation, manufacturer, change in product design has the right to do so.
*Bag Filter included in the prices Not Included.
*Bag filter flow rates 5-10 Written for micron filters.
*For SS316 quality to your sales representative please consult.
*Sale for 16 Bar models Consult your representative.
*Sale for 25 Bar models Consult your representative.

Stainless Separator Filter Systems



Stainless Separator Filter Systems, suspended solids (sediment, rust, sand and other particles) It is designed to separate water from water by the effect of centrifugal force.

It is a low-cost purification system that has no parts to replace and provides cleaning without stopping the system.

Model	Input/Output	Capacity m³/saat	Size (mm)	Weight (Kg)
MIT-S-025	1/2" (DN15)	1 - 1,5	780 x 176 x 140	6
MIT-S-050	3/4" (DN20)	2 - 7,5	780 x 176 x 140	6
MIT-S-100	1" (DN25)	6,5 - 11	775 x 208 x 168	7,7
MIT-S-125	1 1/4" (DN32)	10 - 16	775 x 223 x 168	9
MIT-S-150	1 1/2" (DN40)	14,5 - 18	775 x 223 x 168	10
MIT-S-200	2" (DN50)	17 - 24,5	1185 x 450 x 410	18,5
MIT-S-250	2 1/2" (DN65)	22-35	1185 x 450 x 410	19
MIT-S-300	3" (DN80)	33,5 - 66	1430 x 520 x 470	29,3
MIT-S-400	2" (DN100)	64 - 110	1720 x 540 x 485	50,5

- *No filter replacement is required.
- *No risk of clogging.
- *Constant pressure drop; no flow rate variation even at high capacities.
- *No spare parts needed, as there are no moving parts inside.

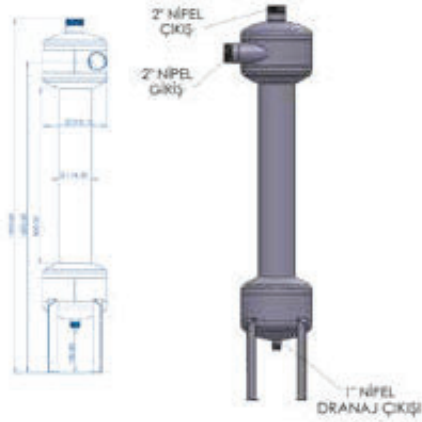
Benefits

- * Ability to operate continuously 24/7
- * Automatic self-cleaning feature
- * Uninterrupted water flow even during cleaning
- * Easy and quick maintenance: only cleaning the solids collection chamber is sufficient

Featureler

- * Stainless steel body
- * Maximum Operating Pressure: 8 bar
- * Maximum Water Temperature: 70 °C
- * Filtration Accuracy: 70–110 µm

St-37 Separator Filter Systems





ST-37 Separator Filter Systems are designed to separate suspended solids (such as sludge, rust, sand, and other particles) from water using centrifugal force.

It is a low-cost treatment system with no replaceable parts, allowing cleaning without shutting down the system.

Model	Input/Output	Capacity m³/saat	Size (mm)	Weight (Kg)
MIT-ST-025	1/2" (DN15)	1 - 1,5	780 x 176 x 140	6
MIT-ST-050	3/4" (DN20)	2 - 7,5	780 x 176 x 140	6
MIT-ST-100	1" (DN25)	6,5 - 11	775 x 208 x 168	7,7
MIT-ST-125	1 1/4" (DN32)	10 - 16	775 x 223 x 168	9
MIT-ST-150	1 1/2" (DN40)	14,5 - 18	775 x 223 x 168	10
MIT-ST-200	2" (DN50)	17 - 24,5	1185 x 450 x 410	18,5
MIT-ST-250	2 1/2" (DN65)	22-35	1185 x 450 x 410	19
MIT-ST-300	3" (DN80)	33,5 - 66	1430 x 520 x 470	29,3
MIT-ST-400	2" (DN100)	64 - 110	1720 x 540 x 485	50,5

- *No filter replacement is required.
- *No risk of clogging.
- *Constant pressure drop; no flow rate variation even at high capacities.
- *No spare parts needed, as there are no moving parts inside.

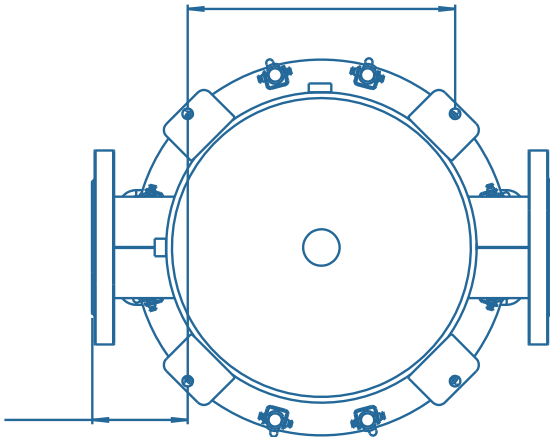
Benefits

- * Ability to operate continuously 24/7
- * Automatic self-cleaning feature
- * Uninterrupted water flow even during cleaning
- * Easy and quick maintenance: only cleaning the solids collection chamber is sufficient

Featureler

- * Stainless steel body
- * Maximum Operating Pressure: 8 bar
- * Maximum Water Temperature: 70 °C
- * Filtration Accuracy: 70–110 µm

304 Stainless Steel Multi-Cartridge Filtration Systems



Stainless Steel Multi-Cartridge Filtration Systems provide water treatment at the desired micron level, making them one of the most effective methods for removing suspended solids, sludge, and particles.

Filtration can be customized to the required micron level, making it ideal for both fine and coarse filtration.

Model	Connection	Number of Cartridges	Cartridge Size	Size (mm)	Weight	Service Flow m3/saat				
						1µ	5µ	10µ	25µ	50µ
MIT-SS-0203	2" (DN50)	3	20"	375 x 426 x 954	19	3	6	9	12	18
MIT-SS-0303	2" (DN50)	3	30"	375 x 426 x 1200	22	5	9	14	20	24
MIT-SS-0403	2" (DN50)	3	40"	375 x 426 x 1250	24	6	12	18	24	24
MIT-SS-0205	2" (DN50)	5	20"	425 x 470 x 973	23	5	10	15	20	24
MIT-SS-0305	2" (DN50)	5	30"	425 x 470 x 1223	27	8	15	24	24	24
MIT-SS-0405	2" (DN50)	5	40"	425 x 470 x 1473	32	10	20	24	24	24
MIT-SS-0308	3" (DN80)	8	30"	435 x 440 x 1235	37	12	24	36	48	54
MIT-SS-0408	3" (DN80)	8	40"	435 x 440 x 1485	44	16	32	48	54	54
MIT-SS-0312	3" (DN80)	12	30"	490 x 485 x 1238	49	18	36	54	54	54
MIT-SS-0412	3" (DN80)	12	40"	490 x 485 x 1538	58	24	48	54	54	54
MIT-SS-0416	4" (DN100)	16	40"	595 x 600 x 1550	82	32	64	92	92	92
MIT-SS-0427	5" (DN125)	27	40"	790 x 790 x 1574	115	54	108	140	140	140

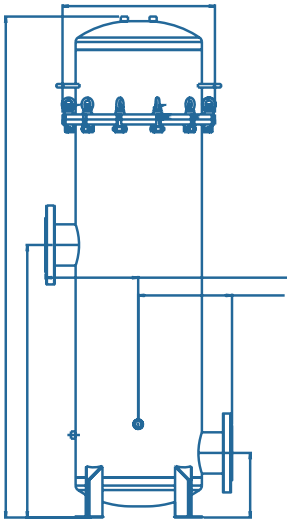
Benefits

- * Long filtration lifespan
- * Filtration at nominal or precise micron levels as needed
- * Pressure-resistant system
- * Continuous system monitoring via pressure gauges

Featureler

- * Stainless steel body
- * Maximum Operating Pressure: 8 bar
- * Maximum Water Temperature: 70 °C
- * Filtration range: 0.5–300 µm
- * Manometer

316 Stainless Steel Multi-Cartridge Filtration Systems



Stainless steel multi-cartridge filtration systems provide water treatment at the desired micron precision, making them one of the most effective methods for removing suspended solids, sediments, and particles.

Filtration can be performed at the required micron level depending on the need. They are ideal filter systems for both fine and coarse filtration.

Model	Connection	Number of Cartridges	Cartridge Size	Size (mm)	Weight	Service Flow m3/saat				
						1µ	5µ	10µ	25µ	50µ
MIT-CKSS-0203	2" (DN50)	3	20"	375 x 426 x 954	19	3	6	9	12	18
MIT-CKSS-0303	2" (DN50)	3	30"	375 x 426 x 1200	22	5	9	14	20	24
MIT-CKSS-0403	2" (DN50)	3	40"	375 x 426 x 1250	24	6	12	18	24	24
MIT-CKSS-0205	2" (DN50)	5	20"	425 x 470 x 973	23	5	10	15	20	24
MIT-CKSS-0305	2" (DN50)	5	30"	425 x 470 x 1223	27	8	15	24	24	24
MIT-CKSS-0405	2" (DN50)	5	40"	425 x 470 x 1473	32	10	20	24	24	24
MIT-CKSS-0308	3" (DN80)	8	30"	435 x 440 x 1235	37	12	24	36	40	40
MIT-CKSS-0408	3" (DN80)	8	40"	435 x 440 x 1485	44	16	32	40	40	40
MIT-CKSS-0312	3" (DN80)	12	30"	490 x 485 x 1238	49	18	36	54	54	54
MIT-CKSS-0412	3" (DN80)	12	40"	490 x 485 x 1538	58	24	48	54	54	54
MIT-CKSS-0416	4" (DN100)	16	40"	595 x 600 x 1550	82	32	64	92	92	92
MIT-CKSS-0327	5" (DN125)	27	30"	790 x 790 x 1274	105	40	81	121	140	140
MIT-CKSS-0426	5" (DN125)	27	40"	790 x 790 x 1574	115	54	108	140	140	140

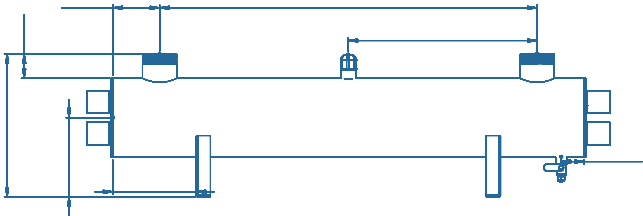
Benefits

- * Long filtration lifespan
- * Filtration at nominal or precise micron levels as needed
- * Pressure-resistant system
- * Continuous system monitoring via pressure gauges

Featureler

- * Stainless steel body
- * Maximum Operating Pressure: 8 bar
- * Maximum Water Temperature: 70 °C
- * Filtration range: 0.5–300 µm
- * Manometer

Ultraviolet Disinfection System



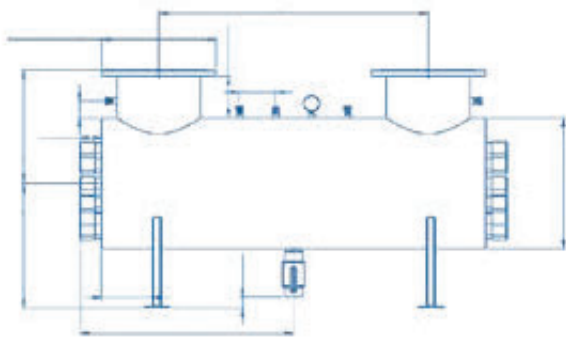
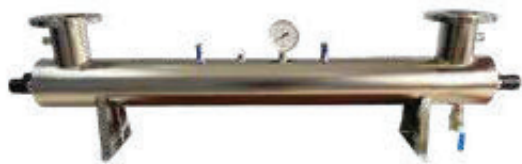
- Stainless steel body AISI 304
- Electropolished and passivated surface
- Special Lamp Socket
- High Quality UV lamp
- UV board
- UV warning lamp
- Sight Plug
- Food grade seals

Model	Glow Rate	Energy	Lamp	Connection
MIT-UV-0,4	0,4	14	1	1/2" Threaded
MIT-UV-1,5	1,5	21	1	1" Threaded
MIT-UV-3	3	41	1	1" Threaded
MIT-UV-5	5	65	1	1" Threaded
MIT-UV-10	10	130	2	1 1/2" Threaded
MIT-UV-15	15	195	3	1 1/2" Threaded
MIT-UV-20	20	260	4	2" Threaded
MIT-UV-25	25	325	5	2 1/2" Threaded
MIT-UV-30	30	390	6	3" Threaded
MIT-UV-40	40	520	8	3" Threaded
MIT-UV-50	50	650	10	4" Flanged
MIT-UV-60	60	780	12	4" Flanged
MIT-UV-80	80	1040	16	4" Flanged
MIT-UV-100	100	1300	20	4" Flanged

Model	Power	Brand	Diameter (mm)	Size (mm)
MIT-287T5L4	14 Watt	Light Tech	15	287
MIT-436T5L4	21 Watt	Light Tech	15	436
MIT-843T5L4	41 Watt	Light Tech	15	846
MIT-843HO	65 Watt	Light Tech	15	846
MIT-1570HO	320 Watt	Light Tech	19	1554

Model	Power	Brand	Diameter (mm)	Size (mm)
MIT-20*23*287	Quartz Kilif	Light Tech	19	287
MIT-20*23*450	Quartz Kilif	Light Tech	19	436
MIT-20*23*900	Quartz Kilif	Light Tech	19	846
MIT-28*32*1554	Quartz Kilif	Light Tech	28	1554
1570HOMIT-	320 Watt	Light Tech	19	1554

Ultraviolet (UV) Disinfection System



- AISI 304 stainless steel housing
- Electropolished and passivated surface
- Special lamp socket
- High-quality UV lamp
- UV control panel
- UV warning lamp
- Inspection plug
- Food-grade sealing gaskets



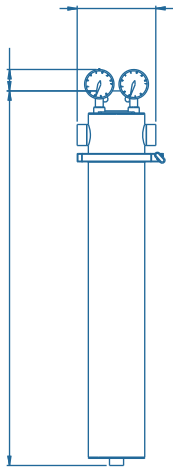
Model	Flow	Energy	Lamp	Connection
MIT-A1	25	315	1	2" Threaded
MIT-A2	50	630	2	3" Flanged
MIT-A3	75	945	3	4" Flanged
MIT-A4	100	1260	4	5" Flanged
MIT-A6	150	1890	6	6" Flanged
MIT-A8	200	2520	8	8" Flanged
MIT-A12	300	3780	12	12" Flanged
MIT-A24	600	7560	24	24" Flanged

- Effective and instant purification
- No chemical use and residue
- Plug and play
- Special lamp socket Easy replacement thanks to
- High quality UV lamp and transparent quartz container best performance and long time in sterilization
- Provides employment benefits during the term. Formed in water at nominal flow rate It destroys 99.99% of bacteria and viruses.

*Visual representation, manufacturer, change in product design has the right to do so.

*For SS316 quality to your sales representative please consult.

Stainless Filter Housing



Suitable for the filtration of water and all types of liquids, including hot and cold, high-pressure, acidic or basic waters, as well as various chemicals. AISI 304 stainless steel filter housings are manufactured in 5", 10", and 20" sizes.

- Stainless steel body AISI 304
- Design suitable for standard cartridges
- Filtration at desired micronage
- Practical cartridge replacement
- 1/4" pressure gauge connection
- 1/2" water drain connection
- 2-8 bar working pressure
- 2-70 °C operating temperature

Model Name	Cartridge Length	Filter Diameter	Connection Ød2	Dimensions				
				A	B	C	Ød1	Ød3
MIT-5050	5"	2,75"	DN20	340	170	250	90	½"
MIT-5075		2,75"	DN25	340	170	250	90	½"
MIT-5100		2,75"	DN32	340	170	250	90	½"
MIT-5125		2,75"	DN40	340	170	250	90	½"
MIT-1025	10"	2,75"	DN20	340	170	250	90	½"
MIT-1050		2,75"	DN25	340	170	250	90	½"
MIT-1100		2,75"	DN32	340	170	250	90	½"
MIT-1125		2,75"	DN40	340	170	250	90	½"
MIT-1150		2,75"	DN50	340	170	250	90	½"
MIT-2050	20"	2,75"	DN20	340	170	250	90	½"
MIT-2075		2,75"	DN25	340	170	250	90	½"
MIT-2100		2,75"	DN32	340	170	250	90	½"
MIT-2125		2,75"	DN40	340	170	250	90	½"
MIT-2150		2,75"	DN50	340	170	250	90	½"

*Illustrations are for reference only; the manufacturer reserves the right to modify product design without prior notice.

*For SS316 grade, please consult your sales representative.

*For 16 bar models, please consult your sales representative.

*For 25 bar models, please consult your sales representative.

Pool Water Treatment Unit

Pool Sand Filter

Product	Model	Explanation	
	MIT-450Y	100% polypropylene spherical body and base	High-flow, specially designed diffuser Six-way valve with connection kit Leak-proof with butterfly valve clamps Unique design for easy installation and maintenance High performance under heavy-duty conditions CE and ISO certified 10-year body warranty
	MIT-530Y	Non-slip filter feet	
	MIT-620Y	Fully automated injection molded design	
	MIT-800Y	Recyclable and environmentally friendly	
	MIT-950Y	Maximum operating pressure: 3.75 bar	
	MIT-450T	Maximum operating temperature: 40 °C	
	MIT-530T	Bottom drain valve	
	MIT-620T	"T" air release valve Manometer Ø 50 mm (1 1/2") and 63 mm (2") connection options	

Circulation Pump

Product	Explanation	
	Self-priming centrifugal pump with internal pre-filter, suitable for chemical and saltwater dosing in pool circulation systems	Aluminum L-2521 motor housing
	Pump body, pump base, and diffuser reinforced with fiberglass	Transparent front filter cover
	Made of polypropylene material	Continuous operation capability
	Pump body O-ring made of Viton	Built-in thermal protection for single-phase version
	Support screws and gaskets in stainless steel AISI 304	Maximum operating pressure: 2.5 bar
	Pump shaft in stainless steel AISI 420	Maximum operating temperature: +50 °C
		IP55 protection class

Glass Media Filter



NATURE WORKS FILTER MEDIA is a multi-layered glass media with anti-clogging properties, reducing backwash frequency and preventing organic growth. It is made of 100% window glass and is the only product of its kind on the market. Being porcelain-based, it is chemically inert. The media has sharp edges, low abrasion, and is harmless, offering virtually lifetime durability. As a single-layer material, it does not cluster, and it is resistant to biofilm formation (certified). Bureau Veritas purity certification and original silicon certificates are available. The particle size is 0.7–1 mm. It reduces backwash frequency, saves water and energy, and decreases chemical maintenance product usage by 30%. The media can be reused after filter repair. MSDS documentation is available, and it is safe for ingestion, eyes, and skin. The advantages of NATURE WORKS include maximum lifespan,

low energy and chemical consumption, ideal filtration capability, negligible pressure loss, and maximum hygiene due to its antiseptic properties. In contrast, conventional filter media has a limited lifespan, higher energy and chemical consumption, lower hygiene, reduced filtration efficiency, and creates environmentally harmful waste at the end of its life.

Salt Chlorine Generator



Salt Chlorine Generator This device is a chlorinator suitable for swimming pools up to 200 m². It produces chlorine, the disinfectant commonly used in pools. During electrolysis, the water passing through the chlorine-generating cell is converted into chlorine. With a salt chlorinator, there is no need to purchase, store, or manually add chlorine to the pool.

Simply adding salt to the water at the beginning is sufficient to reach the required concentration. The unit features a 20,000-hour cell lifespan, titanium plates, minimal energy consumption, flow sensor, temperature probe, IP65 protection class, language options, renewable cell, free Windows software, password protection, solenoid pH pump output, salt pump output, and reverse polarity. The integrated pH dosing pump allows for pH measurement and dosing, and the control unit includes a pH probe and calibration kit.

Wastewater Systems

Biological Package Domestic Wastewater Treatment Systems

Our Biological Package Domestic Wastewater Treatment Unit has become advantageous with technological advancements for treating domestic wastewater. It operates on the Sequential Batch Reactor (SBR) process, where aeration and settling occur within the same reactor. Developed entirely based on MIT's experience and studies, it is specifically designed for the treatment of domestic-type wastewater.

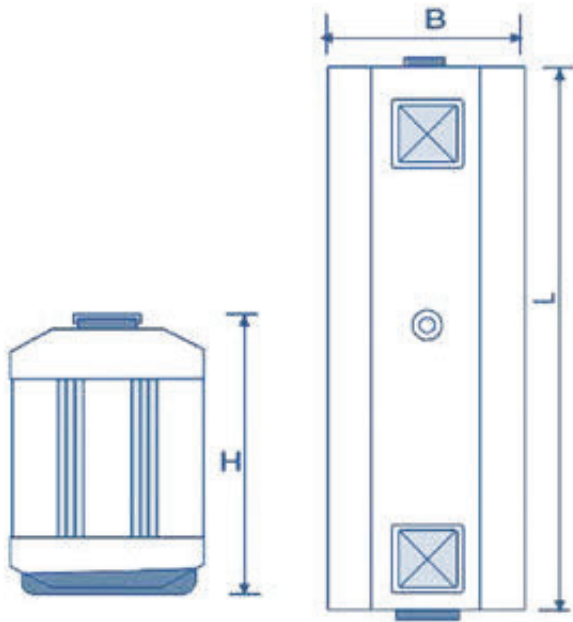
Operating Principle of Biological Package Domestic Wastewater Systems

Wastewater collected in the equalization tank is passed through a basket-type fine screen at the system inlet using a submersible wastewater pump. This separates debris, cloth, and other solid wastes from the water. After screening, the wastewater enters the sequential batch reactor, where it comes into contact with activated sludge. In the reactor, organic pollutants in the wastewater are converted into CO₂ and water by aerobic bacteria. The required oxygen and mixing air are supplied by the blower integrated within the unit.

Air from the blower is evenly distributed throughout the tank using membrane rubber diffusers that produce fine air bubbles. The wastewater, with organic pollutants removed in the sequential batch reactor, is allowed to settle along with bacterial flocs.

Treated water, separated from bacterial flocs by settling, is discharged into the receiving environment using a submersible discharge pump. Simultaneously, a dosing pump adds hypochlorite for disinfection. The entire system operates fully automatically.

Sludge generated over time, which must be removed periodically, is transported out of the system using mobile vehicles (vacuum trucks) or stored in a sludge storage tank.



Process Operating Principle and Effluent Water Quality

In the sequential batch activated sludge process, pollutants in the wastewater are converted into carbon dioxide and water by microorganisms in an aerobic environment using oxygen. Thanks to the process’s equalization structure, it achieves up to 98% treatment efficiency even under variable flow rates (10–100%). The treated water meets the discharge standards of the Water Pollution Control Regulation for receiving bodies such as rivers, lakes, or other watercourses.

Applications;

- Factories and industrial facilities
- Residential buildings and housing complexes
- Summer sites and tourist facilities
- Schools, hospitals, and military units
- Villages, towns, and municipalities
- Accommodation facilities and restaurants
- Farms and slaughterhouses
- Holiday camps
- Recreation camps
- Temporary settlements such as construction sites

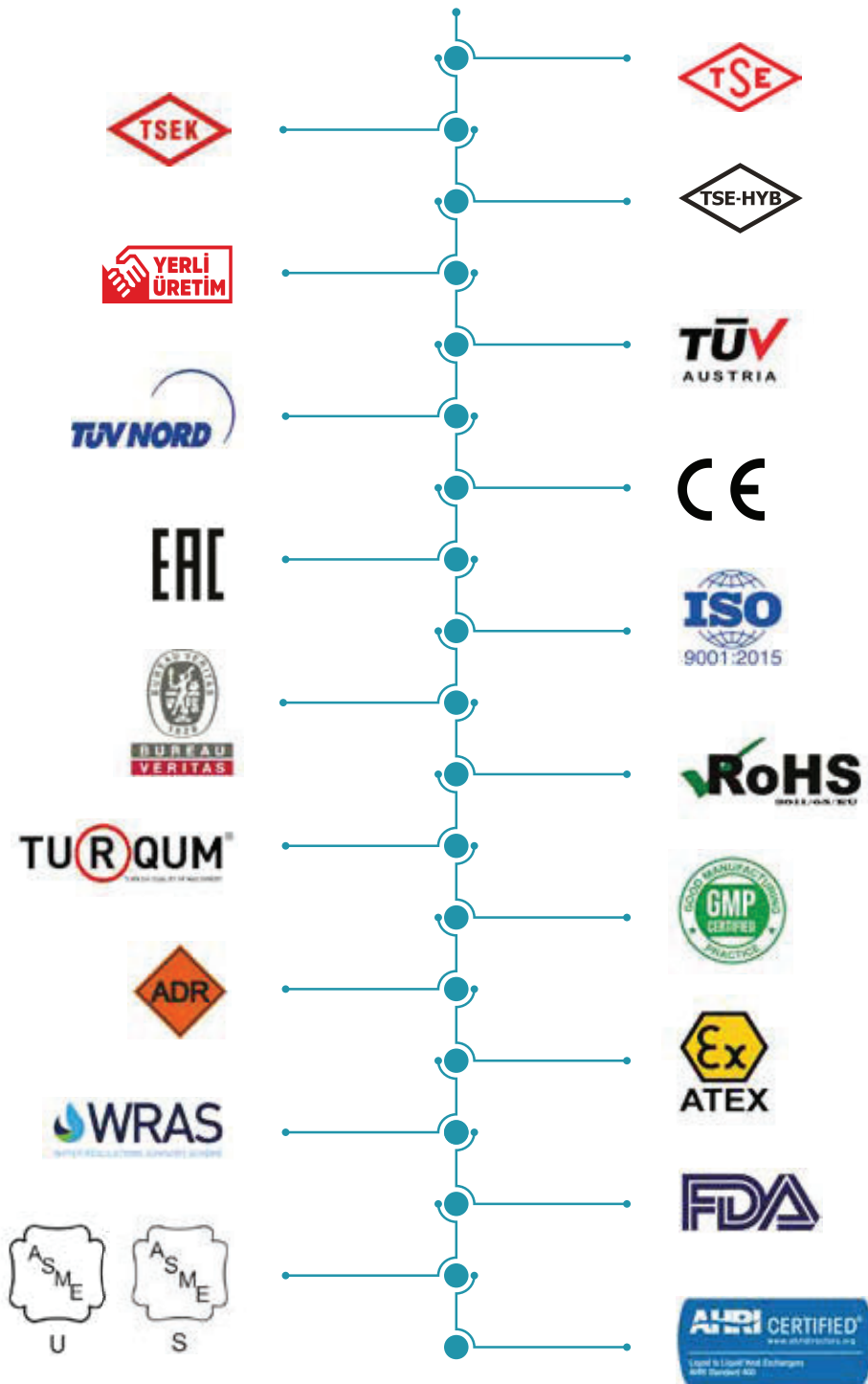
Population Equivalent	Flow Rate (m³/gün)	Dimensions (mm)
25	5	1750*1750*2450
50	10	1750*2500*2450
100	20	2150*3500*2450
150	30	2150*4000*2450
200	40	2150*5250*2450
250	50	2150*5250*2450
300	60	2150*7000*2450
400	80	2150*7750*2700
500	100	2150*8500*2700
600	120	2150*9250*2700
700	140	2150*9250*3000
800	160	2150*10500*3000
1000	200	2150*11250*3000



Notes

Notes

QUALITY MANAGEMENT SYSTEM



Ekin Heating and Cooling Endüstriyel Co. applies engineering approach; to focus on the process, not the problem; respectively, not only specializes in concerned products, but also take the entire aspects of the product, into consideration. Therefore, alongside the plate heat exchanger, Ekin has the capability to produce all other components to form a system. Advanced quality control structure are fully equipped, in order to present the products with a quality that goes beyond the acceptable regulations and standards.

With respect to "ISO 9001: 2015 Quality Management System" certification, which covers all processes from production, domestic / international sales and after-sales services, aiming at continuous improvement, respecting optimum results. With our expert engineers and solution-oriented approaches, the products have been certified with TSE, CE, Rosh and FDA quality certificates.



ECO FRIENDLY HEAT EXCHANGER

MIT CO2

- MIT CO2 heat exchangers are capable of withstanding operating pressures of up to 100 bar, offering energy – efficient cooling solutions.
- Thanks to compact design, it facilitates easy installation and maintenance.



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 **EKIN ENDÜSTRİYEL**
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A chain is only as strong as its weakest link.

Running and maintaining a quality production process that meets international standards requires focusing on quality all along the ecosystem. Maintaining this focus requires a unifying vision of constant improvement shared by all stakeholder, and a certain level of expertise for all parties involved. Ekin Academy was established with the principles of continuous development and growing together to share the knowledge and experience that will realize this vision.

We support the development of our employees with training programs that directly contribute to the results in their business processes and make a difference in their personal development. We offer technical trainings on heat transfer, pressure vessels, package systems, food systems and liquid transfer. We help them become individuals who will make a difference with our development programs that covers topics like leadership, strategy, sales and many more. In addition, we provide information regarding installation, operating, maintenance and repairs with our pre and after sales training modules prepared for our business partners and customers.

At Ekin Academy we do not solely focus on the development of our staff, partners and customers. Thanks to our university collaborations, we provide the means for future engineers to put their theoretical knowledge to use with practical applications.



We organize seminars, conferences and trainings for professional chambers, and institutions we collaborate on social responsibility projects. Because we know that only by investing in the society, the industry and the future of the industry, we can become a country known for its high-quality engineering products.

SALES TEAM

An Engineering Approach from Sales to Maintenance

We offer value added pre and after sale services with our customer satisfaction-oriented approach and deep expertise we are more than happy to share. Thanks to our expert engineers that provide proactive solutions, we focus on making a difference throughout the process, from presales to maintenance.

With our “quality product, quality service, quality solution” approach, we are more than a manufacturer and supplier, we are a highly motivated solution partner for all kinds of heating and cooling projects.



Customer Satisfaction

Our priority is to ensure customer satisfaction and protect the rights of our customers with our pre-sales processes that analyze customer needs well, quality-registered product range, expert staff and meticulous working methods.



Ethical Values

We conduct all our activities in accordance with the laws and then with ethical values. We believe in growing together and we look for mutual benefit in all our business relationships.



Privacy Policy

All your personal information shared with our company is guaranteed by our ethical values and our processes in compliance with the Law No. 6698 on Protection of Personal Data.



Information Security

All our information technology operations are protected by our information security processes, which are managed in accordance with ISO 27001 Information Security Management System requirements.

PROFESSIONAL SYSTEM SOLUTION CENTER

You can get answers to the problems you experience with your pumps, heat exchangers and system from our MIT professional system solution center. You can also benefit from our 7/24 uninterrupted service with our solution center consisting of our expert engineers.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, heating, cooling and pasteurization systems.
- Industrial cooling and heating systems.
- Oil cooling systems.
- Energy recovery systems.
- Pool heating systems.
- Steam installations.



It is vital for your system to be designed and implemented correctly in the first installation in order to be able to operate at the desired capacity, smoothness and long life. For this reason, you can get first-hand the technical support you need during the installation phase of your system and the problems that may arise in the business; You can reach us
Contact: +49 211 93079616



LUMIPRA CONTACT

+49 211 93079616

info@lumipra.com

We would like to reiterate that we will be happy to share our knowledge accumulated over many years with our valued customers in order for your system to work correctly and performance.

Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.



Producer; reserves the right to change the product features, technical dimensions and information and installation diagrams specified in this catalog without notice. No specified information can be copied and used without the permission of the manufacturer. In no way can the manufacturer be held responsible by giving examples of technical information and diagrams. In case of need, we request you to request a special technical drawing for your project for exact dimensions.



Today; **135 points** in the world.





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