



EKIN ENDÜSTRİYEL

Solenoid Dosing Pumps



Our Main Focus

Heat Transfer Section

- Plate Heat Exchangers
- Brazed Heat Exchangers
- Flat Access Stations
- Shell and Tube Heat Exchangers

Pressure Vessel Section

- Boilers
- Accumulation Tanks
- Stainless Process Tanks
- Expansion Tanks
- Balance Tanks
- Air Separators
- Sediment Blockers

Separator Vessels Section

- Balance Tanks
- Sediment Blockers
- Air Separators
- Package Sediment and Air Separators
- Package Balance Sediment and Air Separators

Hygienic Process Section

- Pasteurizers and Sterilizers
- CIP Systems and Tubular Heat Exchangers
- Complete Stainless Process Heat Exchangers
- Hygienic Pumps
- Aseptic Storage Tanks
- Food Process Equipment and Facilities

Liquid Transfer Section

- Rotary Lobe Pumps
- Barrel Pumps
- Mono Pumps
- Domestic Pumps
- Air Diaphragm Pumps
- Twin Screw Hygiene Pumps
- Magnetic Coupling Centrifug Pumps
- Hygienic Centrifug Pumps
- Peristaltic Hose Pumps
- Dosage Pumps



Sustainable Innovation, Quality Standardization and Dynamism

Ekin Industrial has entered Turkey's sector of imported plate heat exchanger, with their customer focused vision and dynamic. Ekin has expanded into new and upcoming investments.

One of the main steps was gaining the identity of being a producer. Ekin Industrial has started the production of plate heat exchangers with the brand of 'MIT'. We grew in the philosophy of quality, through initially adapting to ISO Quality Management System procedures, and completed the CE security and quality certification period, and has matched foreign standards like GOST.

MIT plate heat exchangers have now become a solution to engineering problems in the world market and has grown through an expansion of franchises.

Engineering Approachments, Integrated Solutions

Ekin Industrial, with investment in MIT plate heat exchangers, their identity of producer and engineer vision is aiming to solve problems in the sector. To meet these views, Ekin Industrial has expanded into the production of components, sales and after sales service by employing expert engineers.

The factors that guided Ekin Industrial to success are their exceptional customer service to the needs and wants of consumers, modern facilities, and becoming partners to projects that involve high-end technology.

Ekin Industrial is an expert company which has wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation materials and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the World.



MIT SOLENOID DOSING PUMPS

MIT Solenoid Dosing Pumps, acid, chlorine, liquid manure etc. Designed to be used in place that should be given in doses of chemicals are precision dosing device. (pool, drinking water, agricultural irrigation)

Dosing Pumps electronically operated electro-magnet dosing pumps. Flow is provided by the movement of the diaphragm. Magnet pulls the piston diaphragm is formed by pulses coming from electronic circuits and thus consists of the maximum stroke. Diaphragm pump pushes the solution which is connected to the steel core.

Suction valve closes the suction mouth. Pressing the discharge outlet valve opens and press solution the delivery tube. Magnets finished after the suction check valve opens, discharge check valve closes, thus, the liquid is drawn into the pump head. Frequency adjustments should be made slowly.



• Injector



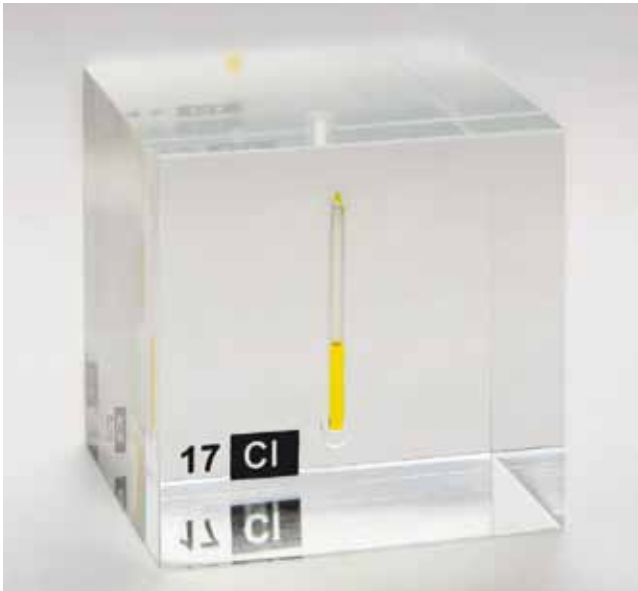
• Sorption Filter



• PE Delivery Hüse



• PVC Sorption Hüse



5 Lt / 5 bar Analogue Dosing Pump

Specifications

- Stroke rate can be adjusted via a potentiometer on Design
- Due to the vertical design it is easy to install and flexible installation, Usege
- All plastic body which ensures high durability against corrosive chemicals
- The electromagnet is controlled by the electronic circuit and durable Teflon (PTFE) diaphragm
- Less maintenance because of the ceramic ball design
- Together with discharge and suction accessories



Chlorine Dosage

MIT Solenoid Dosing Pumps usage is very common. Sodium hypochlorite solution prepared for drinking water and process water disinfection, drinking water disinfection applications for dosing suitable calcium hypochlorite solution; dosing of preferred dichloro solution for pool water disinfection is used.

When MIT Solenoid Dosing Pumps make selection, The water will be held daily and hourly amount of chlorine dosing (flow); chlorine dosing to be done in the line pressure values must be known. It is possible to make the chlorine dosage from different points. chlorine dosage, the pipeline that goes to the water tank, even if it does not have any water tank, it is possible to make directly line.

The most important factor to be considered while chlorine dosing is to provide adequate waiting period.

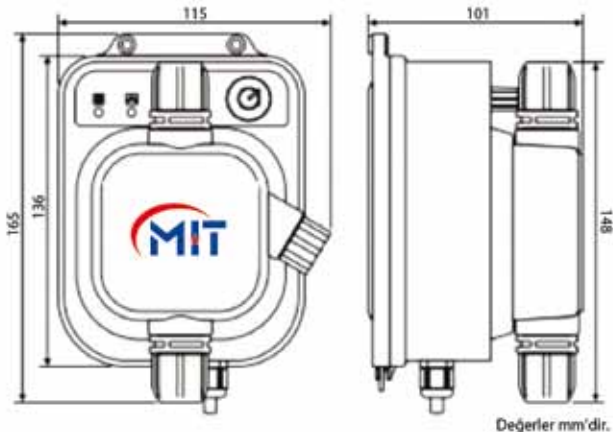


Technical Specifications

Feeding	AC 230 V 50-60 Hz
Suction Line Max. Height	1,5 mt
Pressing Line Max. Distance	4 mt
Capacity	5 L/H-5 Bar, 2 L/h-10 Bar
Operating Environment Temp.	0-50°C
Chemical Heat	0-45°C
Weight	1,7 Kg
Capacity Adjustment	0-150 st/dk
Control Type	Manuel, on-off
Chemical Heat	0-45°C
Protection Class	IP 65

Raw Materials Used according to Parts

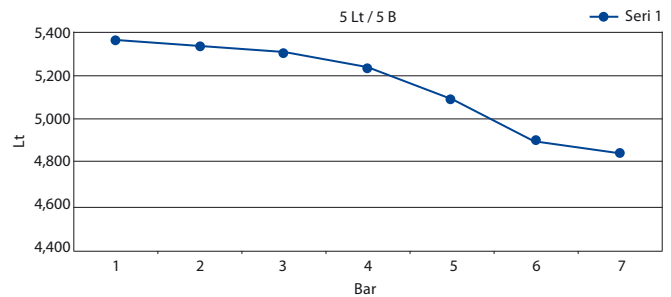
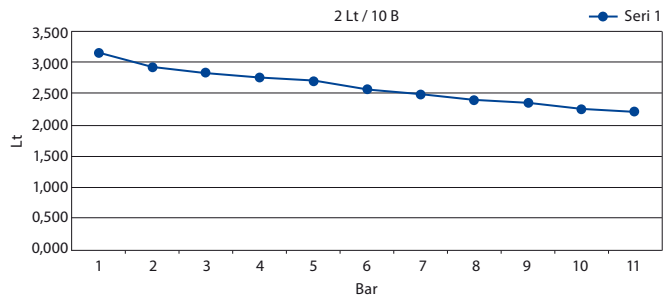
Used Parts	Raw Material
Rekors	PP-PVDF**
Pump Body	PP
Suction Team	EPDM, Viton, Silikon, Neopren, Zirkonyum Bilye
Press Team	EPDM, Viton, Silikon, Neopren, Zirkonyum Bilye
Headset	Zirkonyum Bilye
Diaphragm	PTFE
Pump Head	PP
O-Rings	VITON
Aspiration Pipe	PVC
Pressing Pipe	PE
Schnorkel	PVC



** Capacity values were obtained as a result of tests made under standard conditions with water.



Pressure-Flow Chart



Areas of Usage

- Swimming Pools
- Chemical fluid transfer
- Car Wash Fluids
- Cooling Towers
- Reverse Osmosis (RO) Systems
- Original Equipment Manufacturers



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18																																																						
1 H Hydrogen 1.00794	2 He Helium 4.002602	<table border="1"> <tr> <td>C Solid</td> <td colspan="2">Metalloids</td> <td colspan="3">Nonmetals</td> </tr> <tr> <td>Hg Liquid</td> <td colspan="2"></td> <td>Other nonmetals</td> <td>Halogens</td> <td>Noble gases</td> </tr> <tr> <td>H Gas</td> <td colspan="5">Metals</td> </tr> <tr> <td>Rf Unknown</td> <td>Alkali metals</td> <td>Alkaline earth metals</td> <td>Lanthanoids Actinoids</td> <td>Transition metals</td> <td>Post-transition metals</td> </tr> </table>										C Solid	Metalloids		Nonmetals			Hg Liquid			Other nonmetals	Halogens	Noble gases	H Gas	Metals					Rf Unknown	Alkali metals	Alkaline earth metals	Lanthanoids Actinoids	Transition metals	Post-transition metals	3 B Boron 10.81	4 C Carbon 12.011	5 N Nitrogen 14.0064	6 O Oxygen 15.999	7 F Fluorine 18.998	8 Ne Neon 20.1797	9 Na Sodium 22.989	10 Mg Magnesium 24.305	11 Al Aluminum 26.981	12 Si Silicon 28.0855	13 P Phosphorus 30.973	14 S Sulfur 32.06	15 Cl Chlorine 35.45	16 Ar Argon 39.948	17 K Potassium 39.098	18 Ca Calcium 40.078																				
C Solid	Metalloids		Nonmetals																																																																				
Hg Liquid			Other nonmetals	Halogens	Noble gases																																																																		
H Gas	Metals																																																																						
Rf Unknown	Alkali metals	Alkaline earth metals	Lanthanoids Actinoids	Transition metals	Post-transition metals																																																																		
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.955	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.9961	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.64	33 As Arsenic 74.921	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.798	37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90584	40 Zr Zirconium 91.224	41 Nb Niobium 92.90637	42 Mo Molybdenum 95.94	43 Tc Technetium (98)	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.90	46 Pd Palladium 106.42	47 Ag Silver 107.8682	48 Cd Cadmium 112.414	49 In Indium 114.818	50 Sn Tin 118.710	51 Sb Antimony 121.757	52 Te Tellurium 127.6	53 I Iodine 126.905	54 Xe Xenon 131.29	55 Cs Cesium 132.90	56 Ba Barium 137.327	57-71 Lanthanoids	72 Hf Hafnium 178.49	73 Ta Tantalum 180.94	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.084	79 Au Gold 196.966	80 Hg Mercury 200.59	81 Tl Thallium 204.38	82 Pb Lead 207.2	83 Bi Bismuth 208.98	84 Po Polonium (209)	85 At Astatine (210)	86 Rn Radon (222)	87 Fr Francium (223)	88 Ra Radium (226)	89-103 Actinoids	104 Rf Rutherfordium (261)	105 Db Dubnium (268)	106 Sg Seaborgium (271)	107 Bh Bohrium (272)	108 Hs Hassium (277)	109 Mt Meitnerium (276)	110 Ds Darmstadtium (281)	111 Rg Roentgenium (280)	112 Cn Copernicium (285)	113 Uut Ununtrium (284)	114 Fl Flerovium (289)	115 Uup Ununpentium (288)	116 Lv Livermorium (293)	117 Uuq Ununseptium (294)	118 Uuo Ununoctium (294)

For elements with no stable isotopes, the mass number of the isotope with the longest half-life is in parentheses.

Periodic Table Design & Interface Copyright © 1997 Michael Dayah. Ptable.com Last updated May 22, 2015

57 La Lanthanum 138.90	58 Ce Cerium 140.118	59 Pr Praseodymium 140.90	60 Nd Neodymium 144.242	61 Pm Promethium (145)	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.92	66 Dy Dysprosium 162.50	67 Ho Holmium 164.93	68 Er Erbium 167.259	69 Tm Thulium 168.93	70 Yb Ytterbium 173.054	71 Lu Lutetium 174.967
89 Ac Actinium (227)	90 Th Thorium 232.0377	91 Pa Protactinium 231.03	92 U Uranium 238.02	93 Np Neptunium (237)	94 Pu Plutonium (244)	95 Am Americium (243)	96 Cm Curium (247)	97 Bk Berkelium (247)	98 Cf Californium (251)	99 Es Einsteinium (252)	100 Fm Fermium (257)	101 Md Mendelevium (258)	102 No Nobelium (259)	103 Lr Lawrencium (262)



Chemical Resistance List

Kimyasal	Formül	Cam	PVDF	PP	PVC	SS316	PMMA	Hastelloy	PTFE	FPM	EPDM	NBR	PE	Neoprene	Silicone
Acetic Acid, Max 75%	CH ₃ COOH	2	1	1	1	1	3	1	1	3	1	3	1	3	1
Aluminium Sulphate	Al ₂ (SO ₄) ₃	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Amines	R-NH ₂	1	2	1	3	1	---	1	1	3	2	4	1	---	---
Calcium Hydroxide	Ca(OH) ₂	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Calcium Hypochlorite	Ca(OCl) ₂	1	1	1	1	3	1	1	1	1	1	3	1	2	2
Copper Sulphate	CuSO ₄	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Ferric Chloride	FeCl ₃	1	1	1	1	3	1	1	1	1	1	1	1	1	2
Hydrofluoric Acid 40%	HF	3	1	1	2	3	3	2	1	1	3	3	1	3	3
Hydrochloric Acid	HCl	1	1	1	1	3	1	1	1	1	3	3	1	2	2
Hydrogen Peroxide 30%	H ₂ O ₂	1	1	1	1	1	3	1	1	1	2	3	1	2	1
Nitric Acid 65%	HNO ₃	1	1	2	3	2	3	1	1	1	3	3	2	3	3
Phosphoric Acid 50%	H ₃ PO ₄	1	1	1	1	2	1	1	1	1	1	3	1	2	1
Potassium Permanganate 10%	KMnO ₄	1	1	1	1	1	1	1	1	1	1	3	1	---	---
Sodium Bisulphate	NaHSO ₃	1	1	1	1	2	1	1	1	1	1	1	1	1	1
Sodium Carbonate	Na ₂ CO ₃	2	1	1	1	1	1	1	1	2	1	1	1	1	1
Sodium Hydroxide	NaOH	2	1	1	1	1	1	1	1	2	1	2	1	1	2
Sodium Hypochlorite 12,5%	NaOCl+NaCl	1	1	2	1	3	1	1	1	1	1	2	1	1	2
Sulphuric Acid -85%	H ₂ SO ₄	1	1	1	1	2	3	1	1	1	3	3	1	3	3
Sulphuric Acid -98,5%	H ₂ SO ₄	1	1	3	3	3	3	1	1	1	3	3	3	3	3

1: Dayanıklı 2: İyİ 3: Dayanıklısız

50 Reasons for Choosing MIT

WHEN YOU BUY A MIT PUMP;

You will have a well-known brand all around the world.

WHEN YOU BUY A MIT PUMP;

You will have longest and most comprehensive warranty.

WHEN YOU BUY A MIT PUMP;

You will have fastest delivery time.

WHEN YOU BUY A MIT PUMP;

You will have the best quality.

WHEN YOU BUY A MIT PUMP;

You will have cheapest price.

WHEN YOU BUY A MIT PUMP;

You will work with main manufacturer.

WHEN YOU BUY A MIT PUMP;

You will have fastest spare part delivery time.

WHEN YOU BUY A MIT PUMP;

You will have fastest and largest service network.

WHEN YOU BUY A MIT PUMP;

You will have a good which has ISO, CE, GOST, TSE certificates.

OUR MIT PUMPS;

Designed for easy demontage and service.

AT OUR MIT PUMPS;

Dosage systems can be installed as per your request.

AT OUR MIT PUMPS;

Brand certificates are granted with CE and ISO Labels.

AT OUR MIT PUMPS;

We use stainless steel for hygienic materials.

AT OUR MIT PUMPS;

All our products are tested with precaution.

AT OUR MIT PUMPS;

We have montage foots to back up the pumps.

AT OUR MIT PUMPS;

Aggressive and corrosive resistant materials are used.

AT OUR MIT PUMPS;

Best quality materials are used for high resistance.

AT OUR MIT PUMPS;

Different gasket options are available.

AT OUR MIT PUMPS;

We make direct contact with manufacturer.

AT OUR MIT PUMPS;

We guarantee as producer.

AT OUR MIT PUMPS;

They are easily montaged.

AT OUR MIT PUMPS;

We offer different materials for different applications.

AT OUR MIT PUMPS;

We offer special pumps for applications.

AT OUR MIT PUMPS;

We offer different type of connection systems based on your applications.

AT OUR MIT PUMPS;

We offer different models of pumps based on your applications.

AT OUR MIT PUMPS;

Our experienced, friendly and solution based service personals are available 7/24.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You will make contact with experienced personals on pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can contact global network based on sales in Turkey.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

We can supply side materials besides pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Sales are done by mechanical engineers precisely and traced very carefully.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You will have opportunity to work with a team who will be available all days and all hours.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

We offer quick solutions.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Our first priority is customer pleasure.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get information about all your system not just pumps.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

Our exploration service will serve you the best solution.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You won't need to follow useless procedures.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get an exchanger education at you company or ours.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get large information and documentation support.

WHEN YOU WOULD LIKE TO BUY A MIT PUMP;

You can get consult us for your all problems.

Professional System Solution Center

You can take assistance about problems you have from MIT Plate Heat Exchanger Solution Center. Our solution center having qualified mechanical engineers will be happy to help you. These are some of the subjects that we can happily help you;

Steam installations

- Utility hot water installations
- Central and local heating systems
- Milk, yogurt, airan heating, cooling and pasteurization
- Industrial heating and cooling systems
- Oil cooling installations
- Energy recycle systems
- Pool heating systems



+90 444 35 46

In Plate Heat Exchanger systems, it is vital to setup the system correctly to get the desired capacity. That is why, when you set-up your system you can take needed assistance from first hand just using a phone (+90 444 35 46) for 7 days and 24 hours.

To make your system and heat exchangers work correct and full performance, we want to share the information we've had through the long years. It really is a big happiness for us.

We want to emphasize that again and again. Ekin Endüstriyel will continue being the best solution partner in every place where heat exchanger is used.



You are in exact point where quality,
experience and technology meet

Our Quality Certificates:





Ekin Endüstriyel Isıtma-Soğutma San. Tic. Ltd. Şti.
DES San. Sit. 107. Sok. No:2 Y. Dudullu / Ümraniye / İstanbul
Phone : +90 444 35 46
Fax : +90 216 660 13 08
E-mail : info@ekinendustriyel.com
Web : www.ekinendustriyel.com

