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EKİN ENDÜSTRİYEL

DOSING PUMP PRODUCT CATALOGUE

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EKİN ENDÜSTRİYEL
Isıtma-Soğutma San. Tic. Ltd. Şti.

Sustainable Innovation, Quality Standardization and Dynamism

Ekin has entered Turkey's sector of the 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 has started the production of plate heat exchangers with the brand of "MIT". We have grown in the philosophy of quality, through initially adapting to ISO Quality Management.

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

Engineering Approaches, Integrated Solutions

Ekin has expanded into the production of components, sales, and after-sales service by employing expert engineers. The factors that guided Ekin 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 is an expert company which has a wide product range which includes plate heat exchangers, accumulation tanks, water heater tanks, installation, and its service group and submit competitive advantages to mechanical installation sector in Turkey and all around the world.

ISO CE GOST CERTIFICATE 799 33 13 TSE-HYB TURQUM® TURKISH QUALITY OF MACHINERY

APPLICATION FIELDS

HEAT TRANSFER PRODUCTS

• Gasketed Plate Heat Exchangers • Brazed Heat Exchangers • Shell&Tube Heat Exchangers • Air Fan Oil Cooler • Economizers • Coils and Radiators

PRESSURE VESSELS

• Water Heater Tanks • Water Storage Tanks • Buffer Tanks • Expansion Tanks • Stainless Steel Process Tanks • Balance Tanks / Dirt Separators / Air Separators • Pressured Air Tanks • Neutralization Tanks • Air Tubes • Steel IBC Tanks with ADR

COMPLETE SYSTEMS UNITS

• Heat Stations • Steam Package Systems • Special Designed Systems • Dosing Systems • Substations • Thermoregulators

FOOD GRADE SYSTEMS

• Pasteurizers with plate heat exchangers • Hygienic Pasteurizers with Shell & Tube Heat Exchangers • Cheese and whey Systems • UHT – Sterilization Systems • CIP Systems • Hygienic Storage and Process Tanks • Homogenizers • Standartization Systems • Evaporators • Turn-key Projects

FLUID TRANSFER PRODUCTS

• Lobe Pumps • Hygienic Centrifuge Pumps • Turbo / Roots / Centrifuge Blowers • Drum Pumps • Acid Pumps • Dosing Pumps • Monopumps • Air operated Double Diaphragm Pumps (AODD)

VALVES

• Thermoplastic Valves
• Plastomatic Valves

ENERGY SYSTEMS

• Solar Collectors
• Water Heater Tanks for Solar

Content

SOLENOID DOSING PUMPS

Dosing pumps, acid, chlorine, liquid fertilizer, etc, they are precision transfer devices designed to be used in places where chemicals should be given at certain rates.

OLIMPIA SERIES

Analog type with on-off button, manual capacity adjustment from 0-100%, PVDF dosing head, external protection made of PP material resistant to heat and acidic environments. IP65 protection class, PTFE (teflon) diaphragm, ceramic ball check valve. Level sensor input. (Level sensor is optional.) As standard 220V AC single-phase supply. Optionally available in 24 VDC. Suitable for wall mounting.

PVDF Dosing Head			Connections (mm)	Stroke / dk.	Consuption	Power Supply
Flow Rate (lt/h)	Pressure (bar)	CC / Stroke				
5	5	0,60	4/6	140	14 W	100÷240VAC 50/60HZ - 24VAC
2	7	0,60	4/6	100	14 W	100÷240VAC 50/60HZ - 24VAC
0,6	7	0,60	4/6	100	14 W	100÷240VAC 50/60HZ - 24VAC

HYDRA SERIES

There are varieties with different features in the series. Analog and digital options are available. Digital options also include pH / ORP controlled options. It is suitable for flow adjustment between 0-100%. All types have PVDF dosing heads. The outer protection is made of PP material which is resistant to heat and acidic environments. IP65 protection class, PTFE (Teflon) diaphragm, Ceramic check valve. 220V AC single phase supply as standard. Suitable for wall mounting.

HYDRA SERIES MODELS

Hydra BX: Analog type. It has a standard analog dosage feature.

Hydra BL: Analog type. It has the ability to make 2 different flow settings as 0-20% and 0-100%. Level sensor input (Level sensor is optional.).

Hydra BC: Analog type. It has proportional dosing with flow meter or manual dosing between 0-100%. Level sensor input. (Level sensor is optional.)

Hydra MA: Analog type. It has the ability to dosing by receiving 4-20 mA signal or manual dosing between 0-100%. Level sensor input. (Level sensor is optional.)

Hydra MT: Digital type. Anologous signal-dependent dosing (0 / 4-20mA - 20-4mA), Pulse-dependent automatic dosing 1: n, n: 1, 1: c, daily or weekly programmability, (max. 10) periodic dosing, level float input (Level sensor is optional.), Flow sensor input, ability to display dosing data, 5 language options, password protection to prevent unauthorized use.

Hydra PR: Digital type. pH / ORP sensor with BNC input, periodic dosing feature, level float input, (Level sensor optional) PT100 temperature sensor input, (optional) with flow sensor input, remote control, (On-Off) dosing data display feature, 16-digit light LCD screen, 5 language options, password, unauthorized use has the ability to prevent.

PVDF Dosing Head			Connections (mm)	Stroke / dk.	Consuption	Power Supply
Flow Rate (lt/h)	Pressure (bar)	CC / Stroke				
5	8	0,52	4/6	160	14 W	100÷240VAC 50/60HZ - 24VAC
3	10	0,31	4/6	160	14 W	100÷240VAC 50/60HZ - 24VAC

ATHENA SERIES

There are varieties with different features in the series. Analog and digital options are available. The control sections of all models are protected by a transparent protective cover. Digital options also include pH / ORP controlled options. It is suitable for flow adjustment between 0-100%. All types have PVDF dosing heads. The outer protection is made of PP material which is resistant to heat and acidic environments. IP65 protection class, PTFE (Teflon) diaphragm, Ceramic check valve. 220 VAC single phase supply as standard. Suitable for wall mounting.

4 different sizes of pumps are available, each size has different flow rates in itself.

ATHENA SERIES MODELS

Athena BX: Analogue type. Double flow adjustment between 0-20% and 0-100% is available.

Athena BL: Analogue type. It has the ability to make 2 different flow settings as 0-20% and 0-100%. Level sensor input (Level sensor is optional.).

Athena AM: Analogue type. It has the ability to dosing by receiving 4-20 mA signal or manual dosing between 0-100%. Level sensor input. (Level sensor is optional.)

Athena MT: Digital type. Anologous signal dependent dosing, (0 / 4-20mA - 20-4mA) pulse-dependent automatic dosing 1: n, n: 1, 1: c, level float input, (Level sensor optional.) Flow sensor input, ability to display dosing data It has 5 language options, features to prevent unauthorized use by password.

Athena BT: Digital type. Daily or weekly programmable (max. 10) periodic dosing.

Athena PR: Digital type. pH / ORP sensor with BNC input, periodic dosing feature, level float input, (Level sensor optional) PT100 temperature sensor input, (optional) with flow sensor input, remote control, (On-Off) dosing data display feature, 16-digit light LCD screen, 5 language options, password, unauthorized use has the ability to prevent.

ATHENA 1						
Flow Rate	**Pressure**	**CC / Stroke**	**Connections (mm)**	**Stroke / dk.**	**Consuption**	**Weight**
2,5 l/h	20 bar	0,35	4x6 / 4x7	120	14 Watt	3 kg
3 l/h	18 bar	0,42	4x6 / 4x7	120	14 Watt	3 kg
4,2 l/h	14 bar	0,58	4x6 / 4x7	120	14 Watt	3 kg

ATHENA 2						
Flow Rate	**Pressure**	**CC / Stroke**	**Connections (mm)**	**Stroke / dk.**	**Consuption**	**Weight**
3 l/h	12 bar	0,31	4x6	160	14 Watt	3 kg
4 l/h	10 bar	0,42	4x6	160	14 Watt	3 kg
5 l/h	8 bar	0,52	4x6	160	14 Watt	3 kg
8 l/h	2 bar	0,83	4x6	160	14 Watt	3 kg

ATHENA 3						
Flow Rate	**Pressure**	**CC / Stroke**	**Connections (mm)**	**Stroke/ dk.**	**Consuption**	**Weight**
7 l/h	16 bar	0,39	4x6	300	28 Watt	4 kg
10 l/h	10 bar	0,55	4x6	300	28 Watt	4 kg
14 l/h	6 bar	0,78	4x6	300	28 Watt	4 kg
16 l/h	2 bar	0,89	4x6	300	28 Watt	4 kg

ATHENA 4						
Flow Rate	**Pressure**	**CC / Stroke**	**Connections (mm)**	**Stroke / dk.**	**Consuption**	**Weight**
30 l/h	5 bar	1,67	8 / 6 mm	300	40 Watt	4 kg
40 l/h	4 bar	2,22	8 / 6 mm	300	40 Watt	4 kg
55 l/h	2 bar	3,05	8 / 6 mm	300	40 Watt	4 kg
110 l/h	0,1 bar	6,11	8 / 6 mm	300	40 Watt	4 kg

MECHANICAL DIAPHRAGM DOSING PUMPS

Taurus series mechanical diaphragm pumps have different capacities between 5.5 and 500 l / h. It has an outlet pressure of 5-10 bar (varies according to the selected model). It operates with standard three-phase 380V energy.

Flow adjustment up to 20% can be made manually with the adjustment lever on the back of the pumps. Body material is aluminum. According to the chemicals to be used PP, PVC, PVDF and SS316 quality has different head materials. It has a standard Teflon (PTFE) diaphragm.

Optionally, an internal inverter or 4-20 mA output can be added to the motor.

Mechanical Diaphgram Dosing Pump

Piston Type Dosing Pump

TM.2 - 4 - 6 DIAPHGRAM VERSION								
Model	Ø Diaphragm	Stroke /mm	Stroke /dk.	Flow Rate	Pressure	Connection	Weight	
							SS316	PVC/PP/ PVDF
THREEPHASE 0,18 kW - MONOFASE 0,25 kW								
TM02064A	64 mm	2 mm	58	5,5 l/h	10 bar	1/4" g.f.	10,2 kg	8,5 kg
TM02064B	64 mm	2 mm	78	8,0 l/h	10 bar	1/4" g.f.	10,2 kg	8,5 kg
TM02064C	64 mm	2 mm	116	11,0 l/h	10 bar	1/4" g.f.	10,2 kg	8,5 kg
THREEPHASE 0,25 kW - MONOFASE 0,37 kW								
TM02094A	94 mm	2 mm	58	20,0 l/h	10 bar	3/8" g.f.	10,7 kg	8,4 kg
TM02094B	94 mm	2 mm	78	26,0 l/h	10 bar	3/8" g.f.	10,7 kg	8,4 kg
TM02094C	94 mm	2 mm	116	40,0 l/h	10 bar	3/8" g.f.	10,7 kg	8,4 kg
THREEPHASE 0,37 kW - MONOFASE 0,55 kW								
TM04108A	108 mm	4 mm	58	60,0 l/h	10 bar	3/8" g.f.	13,3 kg	10,1 kg
TM04108B	108 mm	4 mm	78	80,0 l/h	10 bar	3/8" g.f.	13,3 kg	10,1 kg
TM04108C	108 mm	4 mm	116	120,0 l/h	10 bar	3/8" g.f.	13,3 kg	10,1 kg
TM06138A	138 mm	6 mm	58	155,0 l/h	7 bar	3/4" g.f.	18,4 kg	12,3 kg
TM06138B	138 mm	6 mm	78	220,0 l/h	7 bar	3/4" g.f.	18,4 kg	12,3 kg
TM06138C	138 mm	6 mm	116	310,0 l/h	7 bar	1" g.f.	18,4 kg	12,3 kg
TM06165A	165 mm	6 mm	58	230,0 l/h	5 bar	1" g.f.	22,0 kg	13,2 kg
TM06165B	165 mm	6 mm	78	330,0 l/h	5 bar	1" g.f.	22,0 kg	13,2 kg
TM06165C	165 mm	6 mm	116	460,0 l/h	5 bar	1" g.f.	22,0 kg	13,2 kg

PISTON TYPE DOSING PUMP

Taurus series mechanical diaphragm pumps have different capacities between 40 and 1000 l / h. It has an outlet pressure of 5-20 bar (varies depending on the model selected). It operates with standard three-phase 380V energy.

Flow adjustment up to 20% can be made manually with the adjustment lever on the back of the pumps. Body material is aluminum. It has different head materials in PVC and SS316 quality according to the chemicals to be used. Piston material is SS316 or ceramic.

Optionally, an internal inverter or equipment capable of delivering 4-20 mA output can be added on the motor.

TP25 PISTON VERSION								
Model	Ø Piston	Stroke /dk.	Flow Rate	Pressure		Connection	Weight	
				SS316	PVC		SS316	PVC
THREEPHASE 0,18 kW - MONOFASE 0,25 kW								
TP25025A	25 mm	58	40,0 l/h	20 bar	10 bar	3/8" g.f.	15,5 kg	14,1 kg
TP25025C	25 mm	116	80,0 l/h	20 bar	10 bar	3/8" g.f.	15,5 kg	14,1 kg
TP25030A	30 mm	58	55,0 l/h	20 bar	10 bar	3/8" g.f.	15,5 kg	14,1 kg
TP25030C	30 mm	116	112,0 l/h	20 bar	10 bar	3/8" g.f.	15,5 kg	14,1 kg
THREEPHASE 0,37 kW - MONOFASE 0,55 kW								
TP25038A	38 mm	58	90,0 l/h	20 bar	10 bar	1/2" g.f.	18,4 kg	15,6 kg
TP25038C	38 mm	116	180,0 l/h	20 bar	10 bar	1/2" g.f.	18,4 kg	15,6 kg
THREEPHASE 0,55 kW - MONOFASE 0,75 kW								
TP25048A	48 mm	58	140,0 l/h	20 bar	10 bar	1/2" g.f.	18,4 kg	15,6 kg
TP25048C	48 mm	116	284,0 l/h	20 bar	10 bar	1/2" g.f.	18,4 kg	15,6 kg
TP25054A	54 mm	58	180,0 l/h	15 bar	10 bar	1/2" g.f.	20,2 kg	15,6 kg
TP25054C	54 mm	116	365,0 l/h	15 bar	10 bar	1/2" g.f.	20,2 kg	15,6 kg
THREEPHASE 0,55 kW - MONOFASE 0,75 kW								
TP25064A	64 mm	58	250,0 l/h	10 bar	10 bar	3/4" g.f.	21,3 kg	16,1 kg
TP25064C	64 mm	116	505,0 l/h	10 bar	10 bar	3/4" g.f.	21,3 kg	16,1 kg
TP25076A	76 mm	58	365,0 l/h	7 bar	7 bar	1" g.f.	28,2 kg	18,2 kg
TP25076C	76 mm	116	730,0 l/h	7 bar	7 bar	1" g.f.	28,2 kg	18,2 kg
TP25089A	89 mm	58	495,0 l/h	5 bar	5 bar	1" g.f.	30,4 kg	18,6 kg
TP25089C	89 mm	116	1000,0 l/h	5 bar	5 bar	1" g.f.	30,4 kg	18,6 kg

MEASUREMENT CONTROL DEVICES

Nexus series measuring instruments pH, redox, (ORP) Oxygen, free chlorine, turbidity and conductivity are available in many varieties.

The wall type has different models that can be installed inside and outside the panel. It can output 4-20 mA signal. Suitable for operation with 100-240 VAC 50/60 Hz energy.

EKİN ACADEMY

Ekin is aware that the progress in its sector is possible through continuous development and learning.

Ekin Academy, established with this awareness, aims to provide high-quality and sustainable development with its modern education methods, to provide successful employees and to provide value to the society through social responsibility projects.

Training and development programs that will make a direct contribution to the results of our employees' work processes and which will make a difference in their personal development are prepared by Ekin Academy.

For our business partners and customers, our training modules prepared by our expert staff provide training support for pre-sales and post-sales issues such as commissioning, operation, maintenance and repair of our products.

In cooperation with universities within the scope of corporate social responsibility projects, we are experiencing the happiness of adding value to the society by allowing the engineer candidate, who aims to take place in the fields where Ekin is active, to meet with the sector and to experience the theoretical knowledge acquired in the fields of application.

In-Company Trainings

Ekin Academy conducts technical, leadership, strategy development, sales and training and development programs for different tasks in the fields of heat transfer, pressure vessels, package systems, food systems and liquid transfer.

Out-of-Company Trainings

We are realizing conferences and training activities to our business partners, professional groups and institutions where we carry out social responsibility projects in various locations of Turkey.

SALES TEAM

At Ekin, we produce a proactive solution by our engineering staff who are specialized in their field. Our team, which works with the aim of unconditional customer satisfaction, works selflessly in order to gain customer loyalty by raising the bar of success in products, services and processes.

We are happy to share our accumulated knowledge with our valued customers. Ekin will continue to be the best solution partner for you in all applications with all kinds of heating and cooling applications.

Customer Satisfaction

Customer rights are protected in all circumstances.

Privacy Policy

Aware of the importance of protecting personal information, personal information is not shared with third parties.

Information Security

The requirements of ISO 27001 information security management system are fulfilled at Ekin.

Ethical Values

In all our business relations, our principle of mutual benefit by adhering to laws and ethics is our principle.

CERTIFICATES


Certificate of Registration

CE

EKİN ENDÜSTRİYEL ISITMA SOĞUTMA SAN. VE TİC.LTD.ŞTİ.


Certificate of Registration

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EAC

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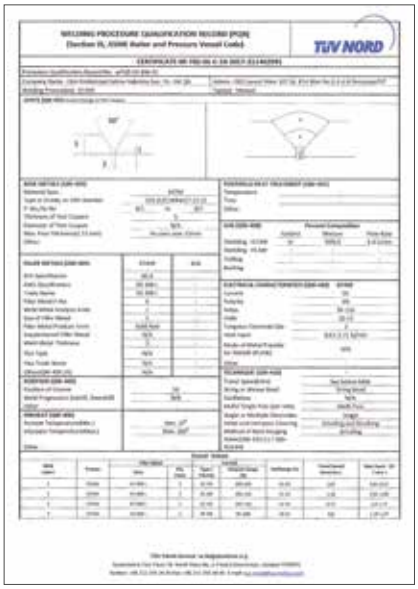
DECLARATION OF CONFORMITY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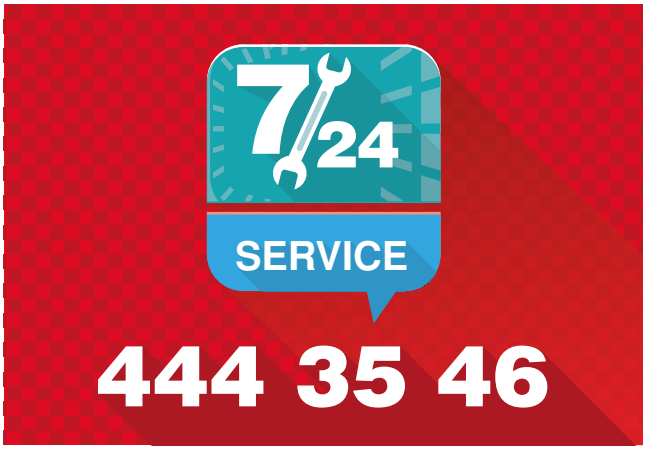
PROFESSIONAL SYSTEM SOLUTION CENTER

From our MIT professional system solution center, you can get help with problems with your pumps, heat exchangers and your system. Our solution center consisting of our expert engineers will be happy to help you.

- Domestic hot water installations.
- Central and district heating systems.
- Milk, yogurt, buttermilk 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 **24 hours (216) 444 35 46 in 7 days**.



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.

/ ekinendüstriyel

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Our products are produced with Turkish engineering technology in **135 countries** in the world today...

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