35TH YEAR

Deser

CHEMISTRY

www.deserkimya.com

Our company, which has been operating in the field of water technologies since19 86, specializes in industrial water treatment systems and chemical conditioning and serves a wide sector. DESER KİMYA has always produced the most ideal solutions by successfully applying the latest technology, the most economical working program and the most strict service in water treatment, keeping the wishes and satisfaction of the user at the forefront.

Our company has been providing services all over Turkey and abroad, offering expert and actionable engineering solutions in heating and cooling equipment with water systems. In the problems encountered, the contact with the customer is kept continuous and the problem is eliminated in the shortest time.

In routine applications, analyzes are reported by giving service to the customer and recommendations are indicated in the report if necessary. Our technical sales and technical service departments' work in conjunction with the real test results made with our mobile water analysis tools and laboratories. Our technical service engineers work diligently to ensure that samples are taken from the right places and that the necessary intervention is immediately performed according to the analysis results.

Our company organizes training seminars with the participation of our General Coordinator in the light of the latest technologies in case our customers request one of the following training topics.

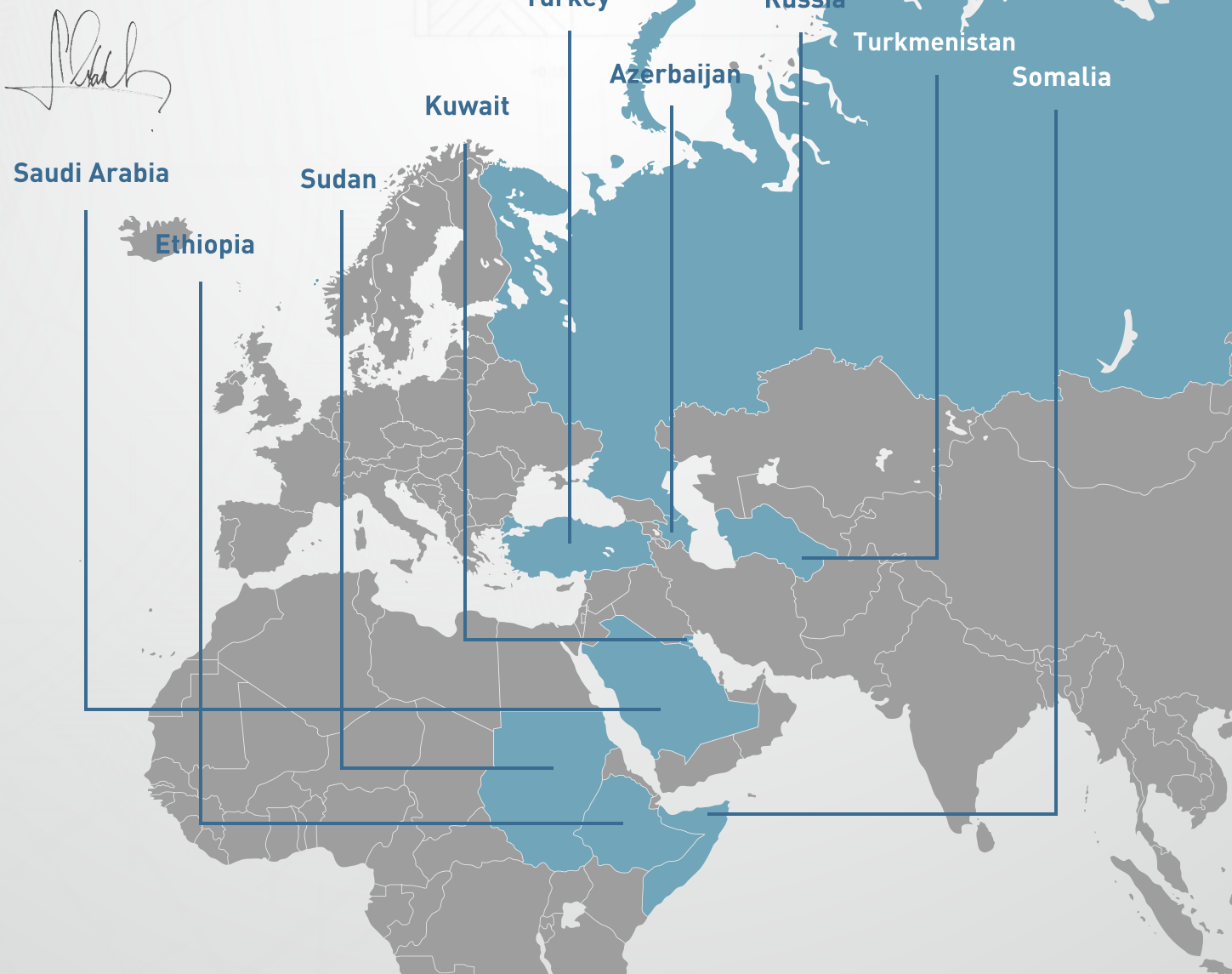
DESER KIMYA both produces and imports in order to achieve highest qualities and works in accordance to our American and European partners as well as our international and Turkish customers. We built bespoke systems and solutions to our clients according to real time analysis of their water.

DESER KIMYA provides fast, reliable service and service guarantee for all water problems with wholesale projects and applications of fully automatic treatment systems (process, domestic and drinking water and waste water treatment systems) under the project, technical support and supervision and collaboration of specialized American and European companies.

Our company is industrial and collective project solution partners with the world leading company in heat exchanger and water treatment A.O. Smith.

In addition, our company is the only authorized distributor of anti-freeze and corrosion inhibitor chemicals of BASF, the world leader in the chemical sector.

Fatih Türkay Ortakçı



Deser

INDEX

WATER TREATMENT SYSTEMS

Deser

MEDIA FILTRATION SYSTEMS

- Sediment Filtration Systems
- Activated carbon Systems
- Iron-Manganese Filtration Systems
- Arsenic Filtration Systems
- Calcite Dolomite Filtration Systems

Automated valve filtration systems with FRP tanks

Surface Piped (package piped) filtration systems with Frp tanks

Surface Piped (package piped) filtration systems with Epoxy coated St-37 tanks

SOFTENING SYSTEMS

- Automated valve filtration systems with FRP tanks
- Surface Piped (package piped) filtration systems with Frp tanks
- Surface Piped (package piped) filtration systems with Epoxy coated St-37 tanks
- Mixbed ion Exchange Systems

- Time controlled Systems
- Flow Controlled Systems
- Tandem Systems

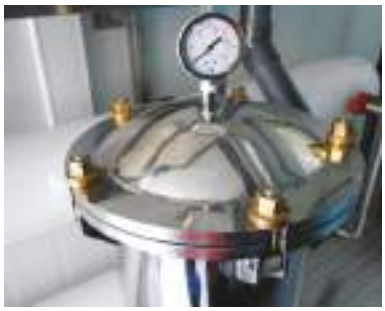
REVERSE OSMOSIS (RO) SYSTEMS

- Drinking water treatment systems
- Industrial process water treatment systems
- Mobile water treatment systems
- Desalination (Seawater) water treatment systems

ULTRAVIOLET DISINFECTION SYSTEMS

FILTRATION SYSTEMS

- Ultrafiltration Systems
- Cartrige Filtration systems
- Bag filtration equipments and systems
- Automated backwash filtration systems



WASTEWATER TREATMENT SYSTEMS

- Residential package water treatment systems
- Chemical water treatment systems

GREYWATER TREATMENT SYSTEMS

BASF
GLYTHERMIN

BASF GLYTHERMIN NF / BASF GLYTHERMIN P 44

The products in the Glythermin range offer maximum protection against corrosion, frost and fouling.

Glythermin NF and Glythermin P 44 are supplied in concentrated form. They are miscible with water in all proportions. Glythermin products form stable mixtures with water.

They also contain high-performance corrosion inhibitors which have been individually adapted to the type, design and materials of the equipment in which they are used. This ensures maximum reliability and a long working life.

The Glythermin types conform to today's environmental protection standards. They are readily biodegradable and do not pollute water.

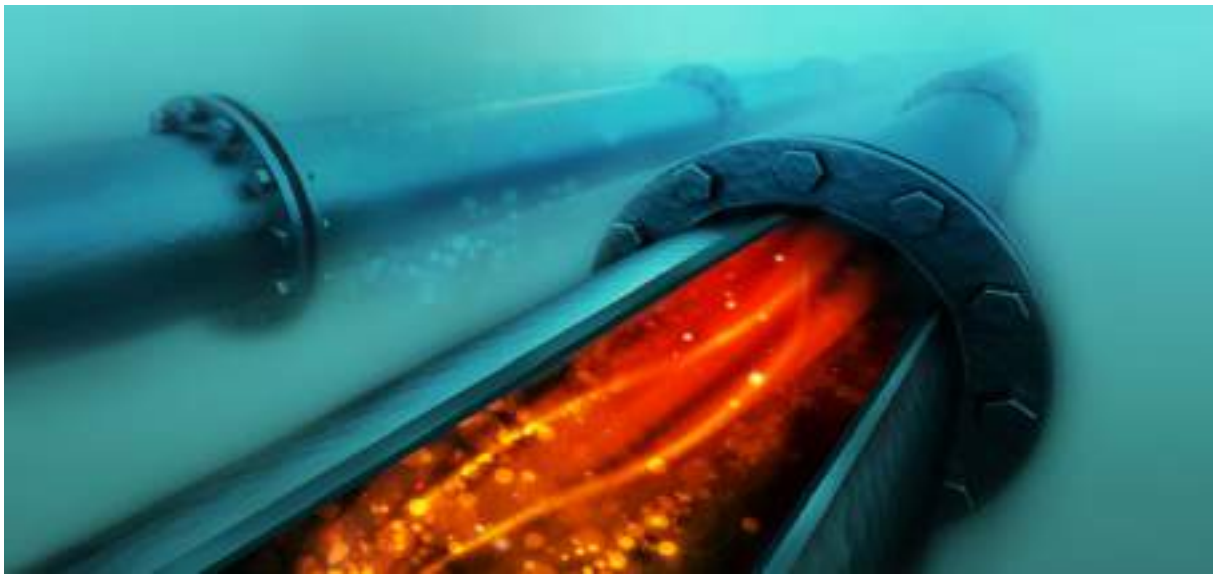
The Glythermin types do not contain nitrites nor phosphates nor amines. Stringent quality checks ensure consistently high quality. You can rely on BASF's Glythermin

Technical Data	Glythermin NF	Glythermin P44	
Appearance	Clear Liquid	Clear green liquid	Test Methods
Boiling point	>165	> 160	ASTM D 1120
Pour point	< -15	< -50	DIN ISO 3016
Density	1.120-1.125	1.054 - 1.057	DIN 51757
Refractive index	1.432-1.434	1.435 - 1.438	DIN 51423
Viscosity	24-28	69-74	DIN 51562
Ph	7-8	6.5 - 8	ASTM D 1287
Alkaline Reserve	11-15	10-13	ASTM D 1121
Flash Point	> 120	> 100	DIN ISO 2592
Water content	4 MAX	4 MAX	ASTM D 1123

ASTMD Corrosion test result can be seen below:

Material	Glythermin NF	Glythermin P44
Material Glythermin NF	ASTM-su 1:2	ASTM-su 1:2
Copper (SF Cu)	-0.1	-0.1
Soft Solder (L Sn 30)	±0.0	-0.2
Brass (Ms 63)	-0.1	-0.1
Cast iron (GG 25)	±0.0	-0.2
Steel (H II)	-0.2	-0.1
Cast aluminium (G AlSi6Cu4)	-0.3	-0.3
Aluminum Al 99.5	-0.2	-0.2

BASF GLYTHERMIN NF / BASF GLYTHERMIN P 44



BASF GLYTHERMIN NF / BASF GLYTHERMIN P 44 ADVANTAGES

- Inhibitors in the product provide excellent corrosion protection to inner surfaces
- Counteracts and prevents microbiological formations
- Does not need to be replaced and regenerated, saves costs in the long term
- Miscable fully with water, does not cause crystallization and precipitation in the system
- Because of the corrosion prevention, system components needs less maintenance and replacement, cost reduction in maintenance costs

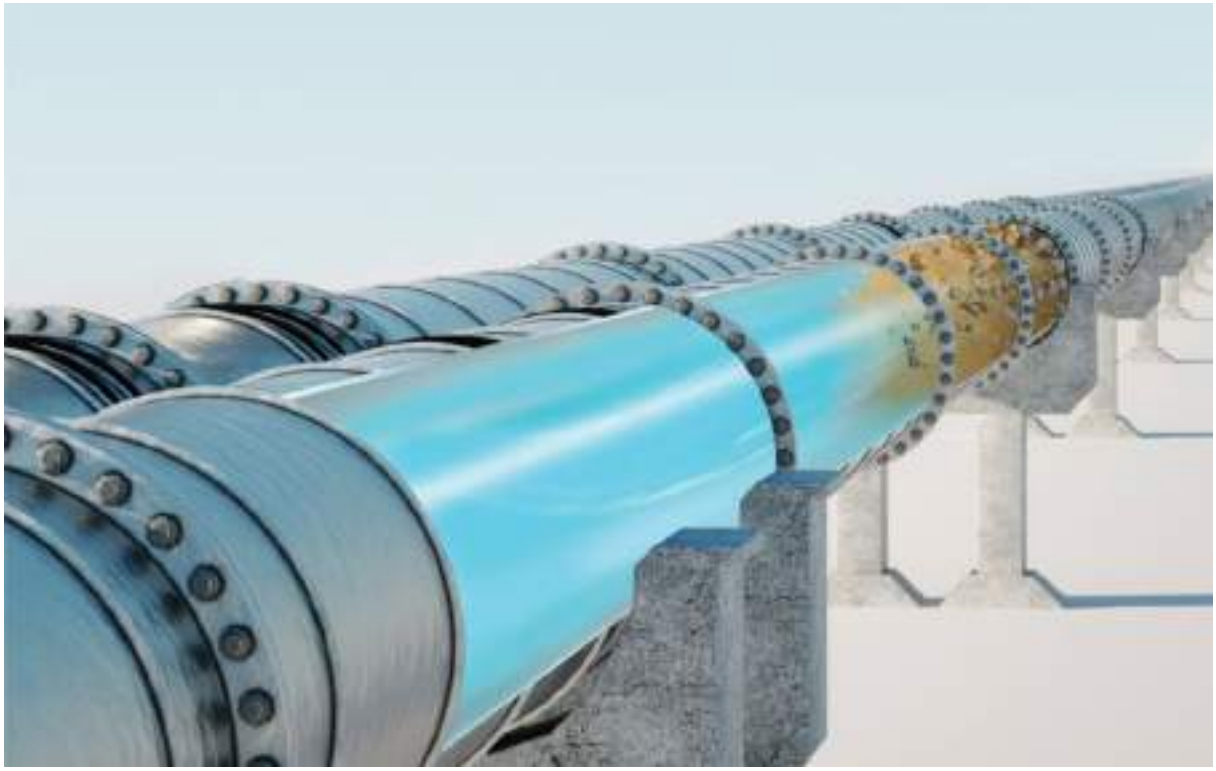
Glythermin NF	BASF Glythermin P44
Nitrate-Free concentrate for protecting heating and cooling curciuts from frost and corrosion	Nitrate-Free non toxic glycol based concentrate suitable for food processing facilities
Areas of use	**Areas of use**
• Heating and cooling curciuts	
• Pump power units	
• Central heating systems	• Pump power units
• Waste Heat exchange systems	
• Atmospheric heat exchangers	• Sprinkler Systems
• Underground heating systems	
• Sprinkler Systems	
Can be used for -50 and +140 depending on the concentration and operational conditions.	Can be used for -50 and +170 depending on the concentration and operational conditions

Technical Values

Glythermin NF				BASF Glythermin P44			
Volume	Density	Refractive index	Freeze point	Volume	Density	Refractive index	Freeze point
10	1.012	1.3438	-4.0	10	1.005	1.3450	-3.5
20	1.029	1.3545	-9.0	20	1.018	1.3563	-7.8
30	1.044	1.3653	-16.1	25	1.023	1.3627	-10.7
40	1.059	1.3762	-25.2	30	1.029	1.3689	-14.0
50	1.073	1.3868	-37.7	40	1.037	1.3801	-21.5
55	1.079	1.3918	-45.5	50	1.045	1.3910	-32.4
60	1.085	1.3966	-54.0	60	1.052	1.4019	-48.4

FLUSHING AND PICKLING SERVICES

Deser



CHEMICAL CLEANING OPERATIONS

Deser conducts the cleaning operations of water, liquid and chemical lines from microbiological, corrosion particules, installation contaminations and impurities as a turnkey operation.
Flushing and pickling operations are conducted with select chemical formulations from our range of products according to the system materials, needs and cleaning limits. During the process analysis will be carried out both from field units and central laborotries. This allows our expert supervisors to keep track of cleaning steps and make the right decisions in real time. After the cleaning operations are finished machines and system are handed over ready for commissioning opertations.

FLUSHING OBJECTIVES

- Discharging oil residues fixated in line inner surfaces
- To clear the system of any installation impurities such as welding burrs, corrosion particulates, inorganic dust and microbiological formations
- Discharging any scale, lime and corrosion particulates from already Operational lines

FLUSHING AND PICKLING SERVICES

DESER's expert staff is cirtified to conduct cleaning operations which consists of; preparation of the system, static washing, chemical cleaning, rinse and protectitive regime from Building Services Research and Information Institute (BSRIA) based in UK. The protective chemical regime which is calibrated with our products will prevent degradation of lines and equipment and allow you use your system to the fullest economical value.

FIELDS OF APPLICATION

- Flushing in Heating and cooling lines and systems to be commissioned
- Contaminated operational heating and cooling systems
- Constricted and clogged lines due to scale built up
- Steam boilers
- Superheated water boilers
- Steam generators
- Chiller systems
- Evaporator Systems
- Cooling Towers

FLUSHING AND PICKLING OPERATIONS IN HYDRAULIC SYSTEMS

Approximatly 80% of failiure to efficiently operating hydraulic systems are caused by contamination in the liquid. In order to prevent equipment failures, unnecessary maintanence downtime, newly installed and already operational systems need to be cleaned periodically.
To run your hydraulic systems without undue problems, acid cleaning, clearing, rinsing operations must be carried out by competent teams and right chemical coctails. Done right these cleanings will prevent oil degredation and particulate damages to the system.

FLUSHING AND PICKLING OPERATIONS IN HYDRAULIC SYSTEMS

- After Welding repairs on lines
- Newly installed welded line systems
- Systems deprived of oil
- Systems that face long downtimes in humid envoiriments

WATER TREATMENT PRODUCTS

Deser

STEAM BOILER AND GENERATOR WATER CHEMICALS

BOILERSTAR

BOILER STAR, organic based chemical series, formulated for use in steam boilers and generators, dissolves scab and sludge accumulations on lines and equipments in contact with water. When used at the right dosage, it stops the formation of new deposits and protects against erosion caused by corrosion.

OXOFF

OXOFF protects equipment and lines of steam and condensate lines in superheated water systems against oxygen and carbon dioxide abrasion caused by normal operation. Oxoff series chemicals ensure that your equipment works effectively and safely and the specific formulation should be chosen according to the characteristics and needs of your business.

COOLING WATER CHEMICALS

COOLSTAR

COOL STAR provides a peak efficient working time by preventing scale and sludge formation in open and semi-open cooling systems. At the same time, it protects your equipment and lines and extends their economic life with the help of corrosion inhibitors.

COOLSTAR BIOCID

COOL STAR BİOCİD prevents biological formations such as bacteria, algae, fungi that occur under normal operating conditions in closed, semi-open and open cooling systems, and ensures that the cooling systems operate without any defects and efficiently by breaking down the existing biological impurities in scheduled doses.

CLOSED CIRCUIT WATER TREATMENT CHEMICALS

DSR Closer prevents corrosion in closed circuit cooling and heating systems that will cause costly repairs, especially in long term. At the same time, it prevents sludge formation and ensures efficient operation of heat exchange surfaces.

CoolStar Biocid prevents the formation of new ones by disrupting the biological formations in closed circuit cooling and heating systems. Efficient operation by preventing bio-films that may occur in systems, provides defense against corrosion by killing harmful bacteria colonies.

REVERSE OSMOSIS MEMBRANE CHEMICALS

Antiscalents for Reverse Osmosis Systems
Threshold is the key mechanism to prevent lime and scale build up in membranes. DSR RJ series antiscalants reduces the formation of scale and make unnecessary acid introduction redundant. By introducing less acidic solutions into membrane working life of the membranes is extended and by preventing scale build up efficient recovery is achieved while in operation. For these reasons DSR RJ series antiscalents are a cost effective solution to pH balancing and softening prevention regimes.

Membrane Cleaning Chemicals
Membranes that lose efficiency or almost clogged can be made operational again by cleaning with alkaline or acidic solutions. These should be chosen according to the needs of the system and the feedwater characteristics.

CLOSED CIRCUIT WATER TREATMENT CHEMICALS

COOLING TOWER CHEMICAL DOSING AND AUTOMATED BLOWDOWN SYSTEMS

These systems are calibrated to the circulating water by constantly analyzing appropriate values and dosing the needed scale and corrosion inhibition chemicals, biocides, and pH balancers. Blowdown is automatically started and stopped according to real time conductivity analysis.

CHEMICAL DOSING SYSTEMS

Dosing of Necessary chemicals to Steam boilers, Cooling towers, and closed loop systems are automatically done by our equipment. These systems can be calibrated as analog, digital or flow controlled.

POOL AND THERMAL WATER CHEMICALS

- Swimming pool disinfectants – Powder and liquid Chlorine
- Algeicide
- Precipitators
- Ph balancers
- Organically bound chlorine and organic waste dispersants
- Surface and filter cleaning chemicals
- Hardness Stabilizers
- Scale prevention and dispersant chemicals formulated for Geothermal Water Systems

WASTE WATER TREATMENT FACILITIES CHEMICALS

THERMACT

THERMACT SERIES WASTE WATER CHEMICALS

- Organic and inorganic coagulants
- Color dispersing Chemicals
- Flocculants – Polyelectrolytes
- Auxiliary chemicals

ELECTRONIC CORROSION SENSORS

Deser

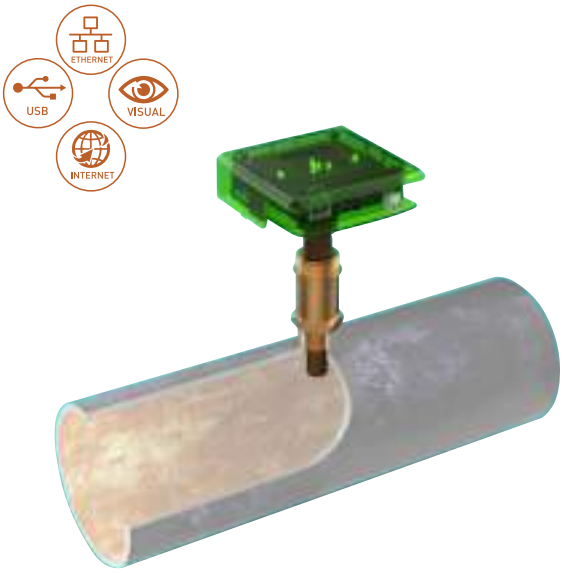
ELECTRONIC CORROSION SENSORS

Corrosion from the liquid lines causes unexpected equipment failures which is the most costly expendures and costs, but the reductions in efficiency caused by the byproducts of corrosion is an unseen cost factor that can be mitigated. Although it cannot be stopped corrosion in a system must be managed in order to avoid breakdowns, envoiremental and human harm, product loss.
These newly designed electronic sensors allows you to monitor corrosion rates in your lines in in real time. Advantage of knowlage in this case connot be understated as corrosion of lines is mostly invisible. Only time corrosion in the system is known is when coupons are measured which gives you an average over time that coupon is in the system or an equipment has efficiency loss and in the worst case line or equipment break.

The threaded connector that places the metal coupon at the tip of the probe in the water flow is mounted perpendicular to the pipe with X-fix. Oxidation of this coupon represents uniform corrosion in the system. The recorder saves the corrosion rate against time and gives alarm in case of unacceptable values or a defect occurs. The memory can be read with a computer, building automation system or over the cloud depending on the type of sensor.

Technical information	ECS, Electronic corrosion sensors, is a patented* technology which measures in built probe electromagnetically, and is designed to be used in heating and cooling systems. *EP2081009(B1)		
How does it work	A 50 n m tick coupon is measured with high sensitivity with electromagnetic principles		
Where is it used	ECS is designed to work in heating and cooling lines		
Equipment	Monitor - Probe Connection devices Adaptor		
Communucations	24V Contact Ethernet Internet - Wi-Fi		
Areas of use	Preassure	0-6	Bar
	Working Temprature	5-85	°C
	Monitor Tempreture	0-45	°C
	Storage	0-35	°C
	Plate	fE	Iron
	Data Storage	10	Years
	Communication	Available	
	Alarm	Available	
	Adjustable set value	Available	

ELECTRONIC CORROSION SENSORS



ADVANTAGES

- Measures the effectiveness of protective chemicals in the system
- Data about working conditions of the system
- Protects Warranty of the equipment
- Prevents unforeseen system stops
- Reduces operational costs
- Breakdowns become predictable
- Prevents other sensors faulty measurements from corrosion byproducts
- Informs on effectiveness of biocides
- Keeps track of system temperature
- Makes other temperature sensors redundant
- Is cheaper then corrosion coupon (laboratory and regular coupon change)
- Real time data
- Comfort levels are kept stable because of the continuity of the system

ECS AND CORROSION COUPON COMPARISON

Parameters	Corrosion coupon	ECS
Working life	45-90 days	Min 15 years
Corrosion speed measurement	Every coupon is removed and measured by weight	Online results, without extra operations
Validity	Every coupon is send to accredited labs	Patented technology does not require extra validation
Quantitiy	Min 60-120 (single metal)	1 unit (Multimetal)
Investment cost	4x ECS systems	ECS cost/system
Operational costs	4 times a year minimum accredited lab costs	No operational costs
System requirements	Must have different coupons for every type of metal in the system	Mutimetal measurement technology allows 1 unit per system
Data storage	Manual data storage by keeping lab results	Data is stored digitally and in the cloud
Alarm Functionalatiy	No alarm functionallity	When the set value is reached the unit will give an alarm
Dasage control	Does not have a relation	Real time data allows you to compare water treatment steps with corrosion data and extrapolate for the effectiveness

ECS DASHBOARD

Electronic Corrosion sensor can be linked via Ethernet, Internet or USB to your computing devices in order to see the data unit has gathered. These data are, corrosion rate, probe thickness , system temperature and time. The software places the logged data on a timeline to present the historical data. The user is able to see correlationsions and to recognize patterns between the collected parameters. By means of the zoom function it is possible to analyse specific areas in detail. This way cause and effect of the observed phenomena can be associated with each other.

WATER COOLING MANAGEMENT SYSTEMS

Deser

Tower basin Filtration Automated blowdown and dosage systems

To enable cooling towers to work at peak efficiency, system water needs to be monitored and treated at all times. To facilities this we are introducing WaterManager: integrated system that automatically hendles the necessary analysis, chemical dosage, regulation of blowdown (duration and interval), feedwater introduction and continues filtration of the tower basin from solid particulates. WaterManager systems can be integrated with building and facility management systems to give you the real time data and control to keep your systems in pique performance at all times.

Water Cooling Filtration systems are designed to be fully automated and does not require additional manpower for continuous cleaning of the system water from the solids that may be introduced to your system at all times. Filtration is done continually with adjustable micron levels, and is consisted of two levels of filtration each feeding other with the same cooling water to avoid any intake or unnecessary discharge. Most of the system water that normally needs to be discharged is decontaminated from solid particulates with mechanical filtres and reintroduced to the basin of the cooling tower.

WATER MANAGER ADVANTAGES

By making the necessary measurements in real time, adjusting chemical dasage, and managing blowdown cycles in one panel cooling tower water is treated in one system online.

- Cooling tower system water's pH, conductivity is measured in real time trough filtration sidestream.
- Calculates and adjusts Ryznar Stability Index of the system water with the measurements in order to disperse existing scale deposits and prevents new ones to form.
- To avoid undue stress caused by corrosion increase, feedwater intake and blowdown operations are done according to the measurement data
- Prevents unnecessary chemical usage with security modules, one panel management and Proportional dosage protocols.
- Because the analysis is done continually, both analysis and operational costs are reduced.
- Prevents unnecessary stops by eliminating scale and microbiological built up as well as corrosion reduction.
- Clears the cooling water from solid particles that come from feedwater and environment without the need for additional discharge
- Clears the system of organic and inorganic particulates which function as nutrient for microbiological formations. This eases microbiological control and reduces biocide usage.
- Makes regular blowdown to discharge salid particulates unnecesarry thus preventing chemical waste and stops for this particular operations.
- Prevent biofilm formation and colonization from particulate contaminations
- With multistep filtration technology, the backwash water for the filters can be captured and reintroduced to system.
- Because the system is totally automated, eliminates the need for additional manpower.

COOLING TOWER WATER MANAGER

Model	Filter Inlet/Outler	Flow	Pump Power	Pump Inlet	Pump Outlet
WATERMANAGER 15	1/2"(DN15)	1-4m3/h	0,65 kW	DN 32	DN 32
WATERMANAGER 20	3/4"(DN20)	2-7	1,2kW	DN 40	DN 32
WATERMANAGER 25	1"(DN25)	7-10	1,2kW	DN 40	DN 40
WATERMANAGER 40	1 1/2"(DN40)	10-16	1,6kW	DN 50	DN 50
WATERMANAGER 50	2"(DN50)	16-24	2,2	DN 50	DN 50
WATERMANAGER 65	2 1/2"(DN65)	24-35	4	DN 165	DN 50
WATERMANAGER 80	3"(DN80)	35-65	5,5	DN 80	DN 65
WATERMANAGER 100	4"(DN100)	65-90	7,5	DN 100	DN 80

	Water Manager Basic	Water Manager Plus
Water Filtration	✓	✓
Basin Bottom Sweep	✓	✓
Waste Water savings	✓	✓
Differential Pressure Sensors	✓	✓
Filtre Blowdon Timer	✓	✓
pH Measurement		✓
Conductivity Measurement		✓
Blowdown Management		✓
Acid Dosage		✓
Treatment Control		✓

ENGINEERING AND LABORATORY SERVICES

Deser

The milestones of the process maps monitored by the engineers in the organization are as follows:
Feasibility study (Determining requirements-Surveillance): Our engineers make a site visit, makes the observation on the project, or the system if available, and determine the technical information and requirements.
Mobile Laboratory service: In line with the determined technical requirements, relevant water analyzes are made by our chemists at the plant and reported to the management."
Design preparation: After the evaluation of the water analysis and requirement criteria our engineers make the design of the related solution alternative and bring it to the offer stage. Besides, they provide the facility information by making the return calculations of the investment and the investment return cost calculations of the pretreatment systems improvements, especially in the boiler feed waters."
Design submission: The prepared project design is presented to the related authorities and simulation studies of the solution proposals are delivered together.
Operation Control and Monitoring: (Project Delivery, Monitoring After Installation) The system efficiency is monitored and reported through routine visits following the implementation or delivery of the project.
Preparation of the Impact Measurement Report: The measurement report is prepared including the calculation of the differences between the records before the project and after the project and submitted to the related authorities.

Main goal of DESER Analysis Services Depertmant is to address our costumers water related needs in timely and consistently. To achieve this we provide analysis services both in field and in laboratories. By matching national and international standarts of our analysis with modern testing devices, we not only accurately determine parameters given below, but we also interpret these results to help you achieve efficiency and give you foresight for the state of your system.

Conductivity		Hach DR/890-Hach DR/900	Electrode Method
pH		Hach DR/890-Hach DR/900	Electrometric Method
Total Hardness		Hach DR/890-Hach DR/900	Titrimetric Method
Total Iron		Hach DR/890-Hach DR/900	Phenanthroline Method/FerroVer Method/FerroMo Method
Chloride	µs/cm	Hach DR/890-Hach DR/900	Titrimetric Method
p-Alkalinite	mg/l	Hach DR/890-Hach DR/900	Titrimetric Method
t-Alkalinite	mg/l	Hach DR/890-Hach DR/900	Titrimetric Method
Sulphate	mg/l	Hach DR/890-Hach DR/900	SulfaVer 4 Method
Silica	mg/l	Hach DR/890-Hach DR/900	Silicomolybdate Method
Nitrite	mg/l	Hach DR/890-Hach DR/900	Diazotization Method/Titrimetric Method
Nitrate	mg/l	Hach DR/890-Hach DR/900	Cadmium Reduction Method
Amonnuium	mg/l	Hach DR/890-Hach DR/900	Salicylate Method
Free Chloride	mg/l	Hach DR/890-Hach DR/900	DPD 1 Spectrophotemetric Method
Mangane	mg/l	Hach DR/890-Hach DR/900	Periodate Oxidation Method
Turbidity	NTU	Hach DR/890-Hach DR/900	Absorptometric Method
Color		Hach DR/890-Hach DR/900	APHA Platinum-Cobalt Standard Method
Fosfanate	mg/l	Hach DR/890-Hach DR/900	Persulfate UV Oxidation Method
Molibdate	mg/l	Hach DR/890-Hach DR/900	Ternary Complex Method
Copper	mg/l	Hach DR/890-Hach DR/900	Bicinchoninate Method
Aluminium	mg/l	Hach DR/890-Hach DR/900	Aluminon Method

With over 30 years of experience in water treatment service our expert chemists and engineers as well as our field employees provide periodic analysis in field. The data we gather is compared with applicable standards and interpreted according to the needs of your system. Sampling and Transportation to accredited facilities is also carried out maticulassly by our expert staff.

Related Systems

- Drinking and potable water systems
- Closed circuit heating systems
- Cooling towers
- Steam and condensate systems

To ensure continuity of quality our staff carries out both periodic maintenance for water treatment units and chemical dosing equipment, as well as analysis and sensor equipment on the system.
By taking control of process from feedwater treatment stage to waste water we provide total water quality assurance and troubleshooting in one package.

CERTIFICATES

- ISO 9001:2015 Quality Management
- ISO 14001:2015 Environment Managment
- BSRIA Flushing / Pickling Application
- Boiler Chemicals Brand Registery
- Cooling Chemicals Brand Registery
- Industrial Chemicals Brand Registery
- Cooling Tower Filtration and Dosage Systems Brand Registery

K A

İ HİZMETLERİ

İTFD ŞİRKETİ
Plaza No:2/B/1 Ostim Yenimahalle
Sokak No:12 Ostim Yenimahalle

firetim sistemi UNIVERSAL
elendirilmiştir.
VİS VE BAKIM HİZMETLERİ,
RLENDİRME, SATIŞI VE SATIŞ
ÜN SATIŞI, SU ANALİZLERİNİN
TİK SU ARITMA SİSTEMLERİ
E BAKIM HİZMETLERİ,
LERİ"

0.19 numaralı rapor, kardeşim

göstermektedir.

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ıyın Tarihi: **01.08.2019**

KAÇMAZ
CERTIFICATION
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SCİL BELGESİ

- Ticaret

ANAYİ TİCARET LİMİTED

URİVETİ
Belgesi Cumhuriyet ANKARA

Kararı ile Anonim
Ticaret Bakanlığı
Merkezler Dairesi Başkanlığı

T [●] ENSTİTÜSÜ

ELGESİ

ANKARA

Hakan KIZILTEPE
Enstitü Başkanı a.
Merkezler Dairesi Başkanı V.

ÜSÜ


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