



Filternox® Applications

- Irrigation
- Well Water
- Power Generation Plants
- Fish Farm Aquaculture
- Cooling Water
- Cooling Tower Side Stream
- Steel Industry and Nozzle Protection
- Sea Water Recycling
- White Water
- Ballast Water
- Recycled Waste Water
- Condensed Water
- River, Lake and Surface Water
- UF, RO Systems
- Grey Water
- Protection Against Baby Mussels





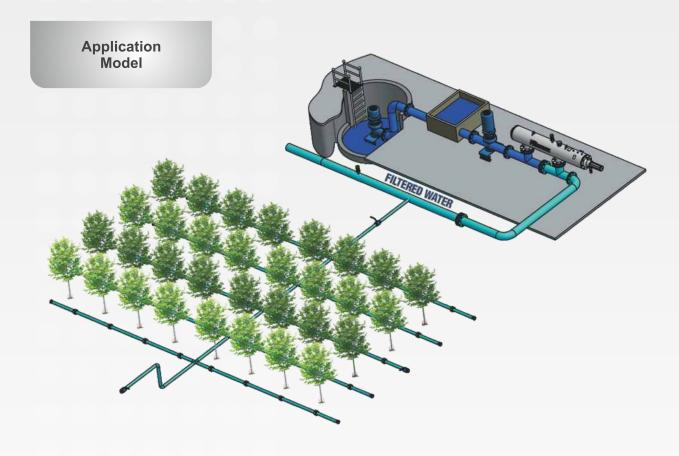
The reduction of available fresh water sources has become a major problem in recent years. The consequent reduction in water volume has also increased the concentration of contaminants and pollution. Because of this problem, modern irrigation systems, utilizing either underground or surface water require more efficient filtration systems.

Filternox® Automatic Self-Cleaning Filters protect irrigation and fertilizing systems from all kind of particles and assure years of continued operation without the clogging of drippers, sprinklers, etc.

Filternox® is the perfect solution for golf courses, agriculture, gardening and various other applications wherever water economy is needed.

Filternox® Automatic Self-Cleaning Filters offers a special hydraulic control system which triggers the back flush without need of any extra energy other than the pressure of the water. With this hydraulic control system during the back flush there is not any interruption of the flow.

Filternox® offers double stage automatic self-cleaning models to be implemented directly to the surface water ahead of the irrigation system and reduce investment and operational costs.







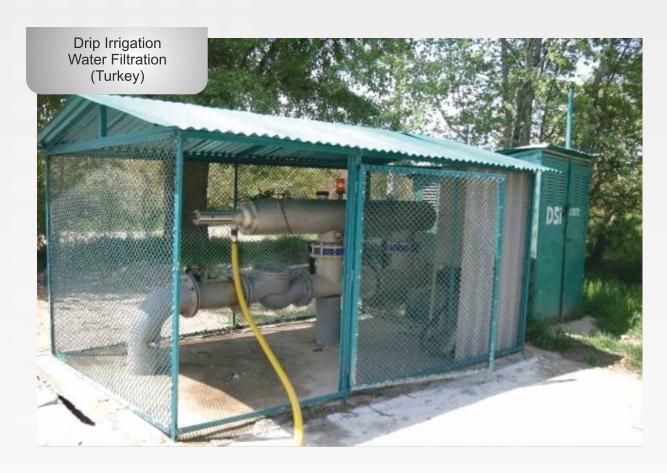






























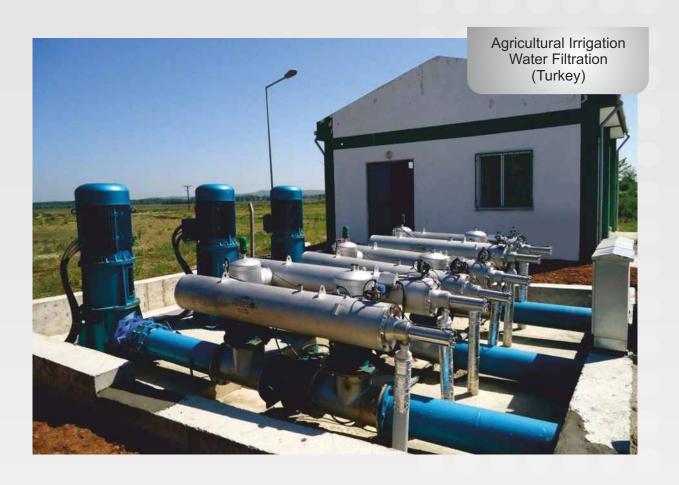








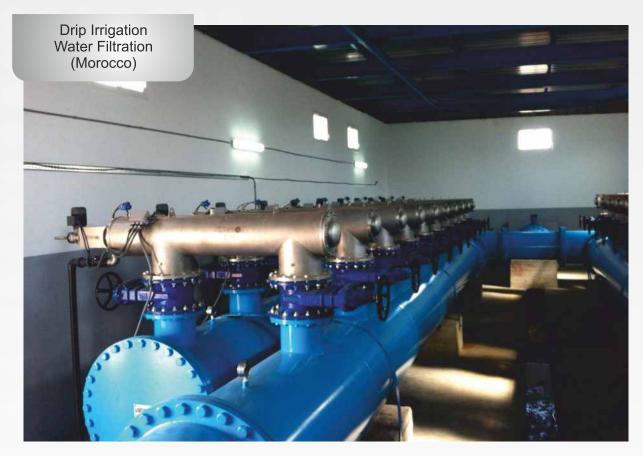






















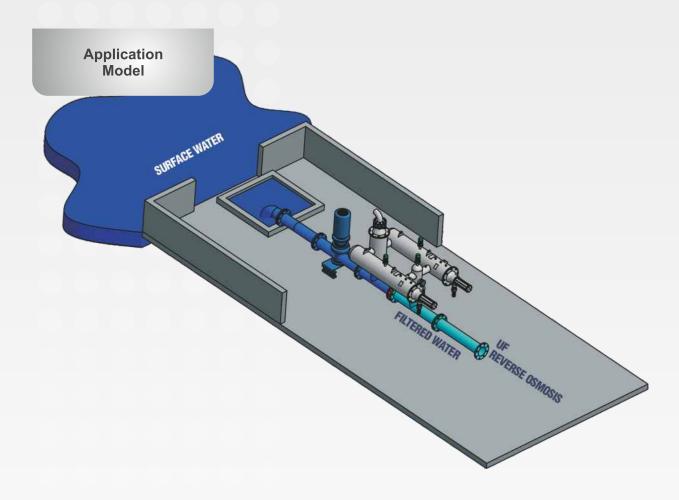


Surface Water, UF, RO As well as sea water, surface water also contains a wide variety and sizes of contaminant particles. To effectively overcome this problem, filtration units require both coarse and fine automatic filtration.

Sediment buildup and the consequent loss of efficiency is one of the main problems in heat exchangers, nozzles, ion exchange systems, seals, membranes and other sensitive equipment.

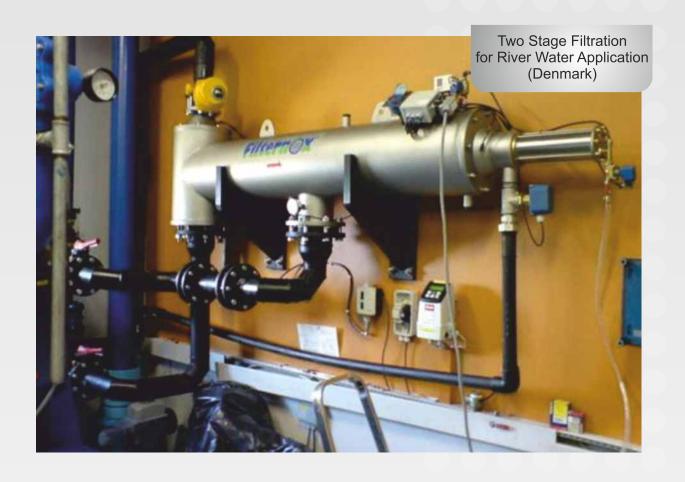
To prevent unscheduled and unforeseen system shut downs for cleaning, the installation of **Filternox**® Automatic Self Cleaning Filters will remove the suspended particles from the incoming water supply, thus providing uninterrupted working conditions.

The use of **Filternox**® Automatic Self Cleaning Filters helps to maintain optimum pumping conditions through the prevention of pressure drop caused by sediment build up.





























A decrease in efficiency due to the accumulation of particles is one of the major problems for heat exchangers. Even a minor layer of scale causes a dramatic decrease in the transfer of heat which can result in the unforeseen shut down of the system for cleaning purpose.

Filternox® Automatic Self-Cleaning Filters, by removing all suspended solids and particles, provide uninterrupted working conditions for heat exchangers.

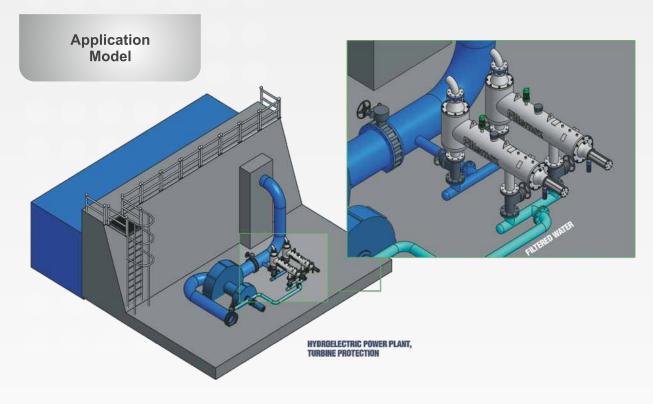
As well as protecting heat exchangers, **Filternox**[®] Automatic Self-Cleaning Filters will also provide protection for nozzles, ion exchangers, seals, membranes and other sensitive equipment installed in your system.

The use of **Filternox**[®] Automatic Self-Cleaning Filters helps to maintain optimum pumping conditions through the prevention of pressure drop caused by sediment build up.

The continuous operation of the turbines has vital importance for the hydroelectric power plants.

Dam water used for the cooling of the turbine bearing and the sealing equipment of the hydroelectric power plants, contains different sizes of particles which creates fouling in the pipes and heat exchanging surfaces, and damaging the turbine bearings and seals.

Filternox® provides a solution to this filtration problem with its two stage Automatic Self-Cleaning filtration models which offer a convenient and cost effective way to address filtration challenges in hydroelectric power plants, extending the life of bearings and seals equipment and reducing maintenance and operational costs.











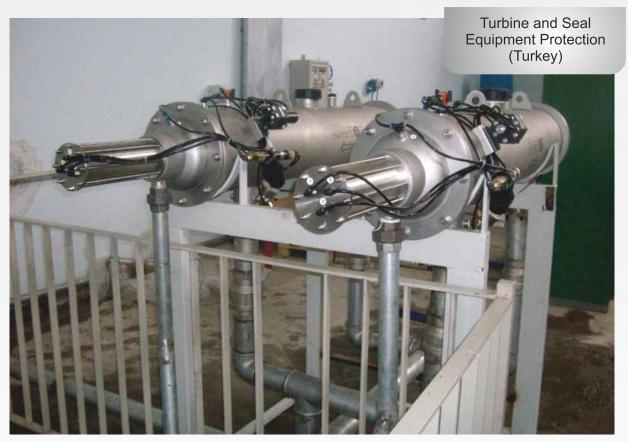












































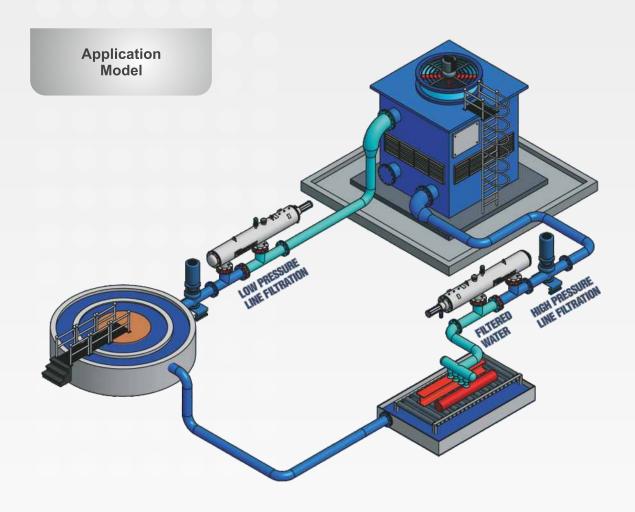
Steel Industry and Nozzle Protection

The quality of cooling water is crucial for the manufacturing of high quality steel. If cooling water contains particles which clog the spray nozzles, this will lower the quality of the end product.

This may also lead to serious losses in production due to the unscheduled shut down of production lines.

Filternox® Automatic Self-Cleaning Filters, by the removal of particles contained in the cooling water, provide a perfect solution to prevent clogging of the nozzles and to maintain continuous production.

In addition, **Filternox**® special "high energy back-flushing system" avoids screen blockages from oil and grease in the cooling water of the steel industry.

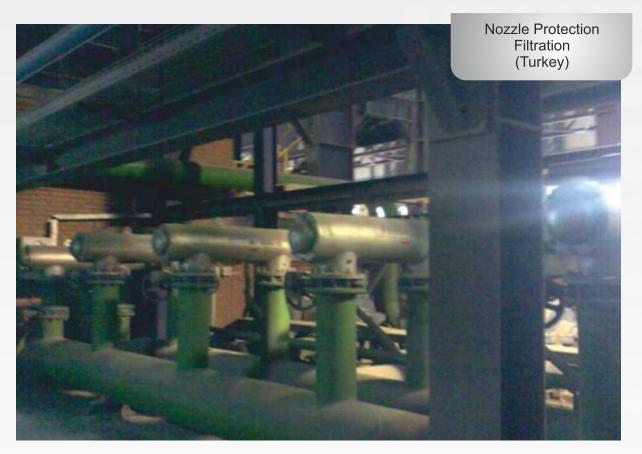






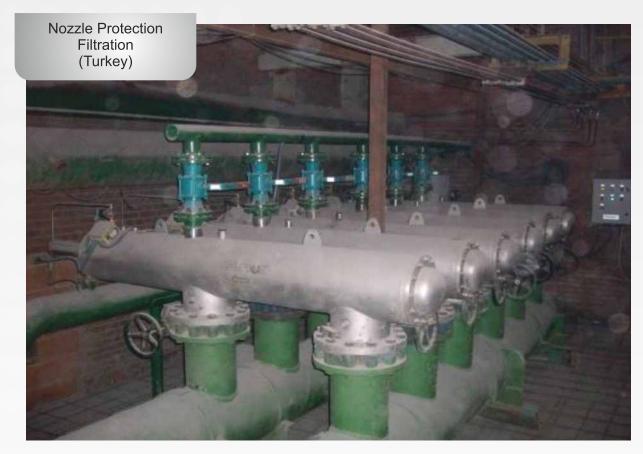
















































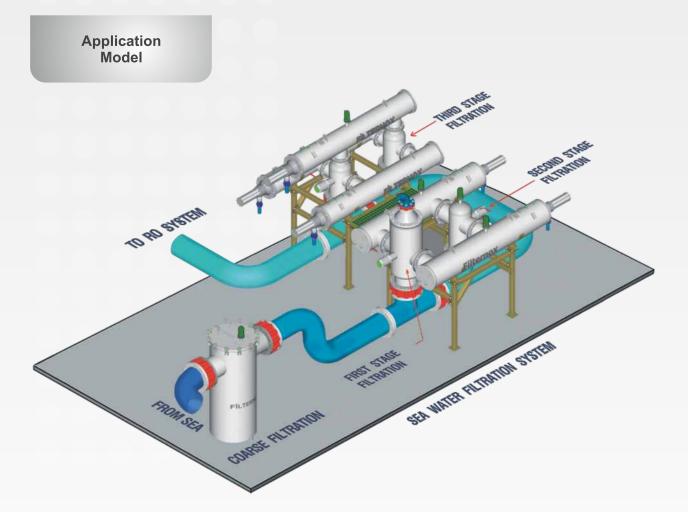


The size of particles contained in sea water varies widely. Therefore sea water filtration needs more care than other fluids. A very special filtration solution is required to remove particles from 10 mm at one end of the spectrum down to 50 microns particles at the other. This kind of water needs to be filtrated in order to remove coarse and fine particles at the same time.

Filternox® offers special models, KFH, KTW and KQR which have both coarse and fine filtration stages in one body and both featuring an independant automatic self-cleaning system.

Filternox® Automatic Self-Cleaning Filters are used for sea water filtration on oil platforms, the protection of heat exchangers, ultra filtration and Reverse Osmosis units as well as recreational usages.

Another important consideration in the filtration of sea water is the corrosive effect it has. **Filternox**® offers the best permanent solution with a rubber coating over its stainless steel body.

















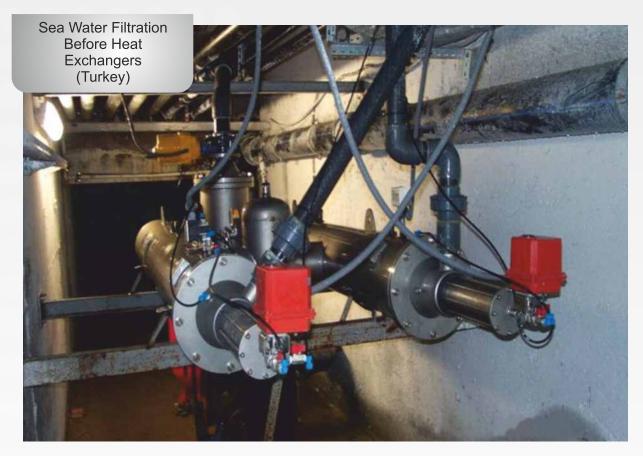






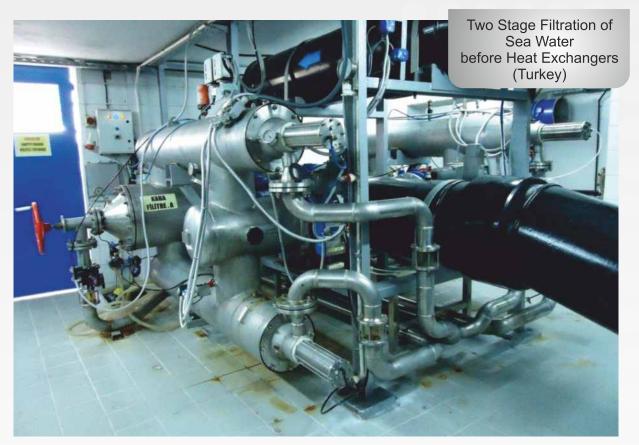










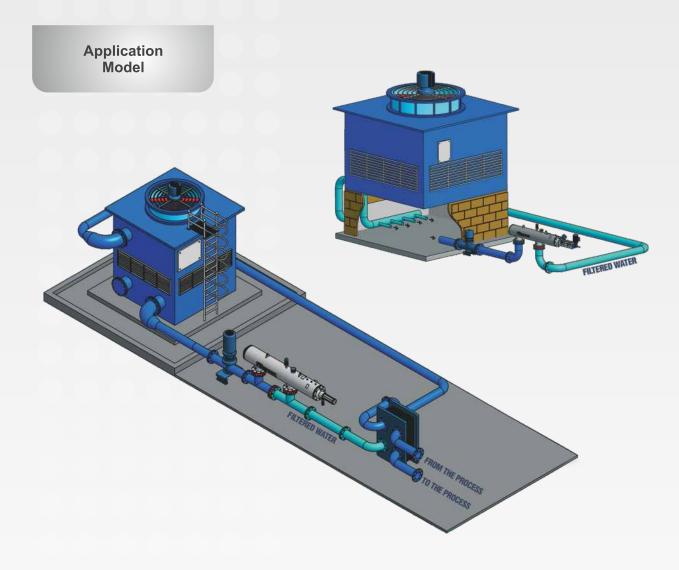






Cooling towers act in a similar way to air scrubbers by collecting all particles from the surrounding environment into the cooling water. These particles, such as dust, sand, algae and pollen conglitunate easily to the hot surfaces during the circulation inside the cooling system, and cause clogging, fouling and reduction in efficiency of the process, which results in the shut down of the system for cleaning. Efficient filtration is very important for maintaining the continuous operation of the cooling system.

By using **Filternox**® Automatic Self-Cleaning Filters in the cooling system, either as sidestream or full flow applications, you will avoid all above mentioned problems and you will also decrease the chemical consumption for water conditioning.



























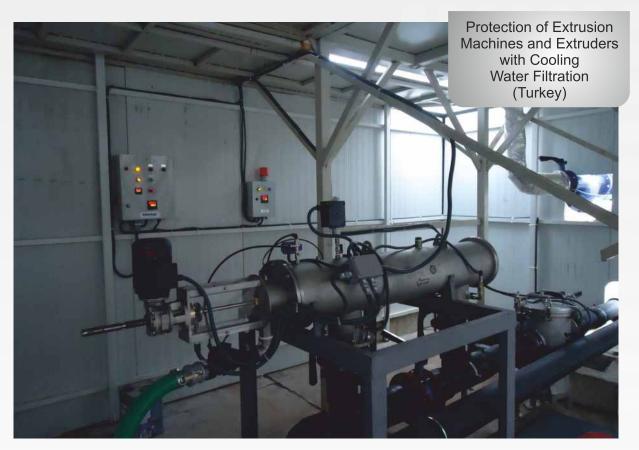














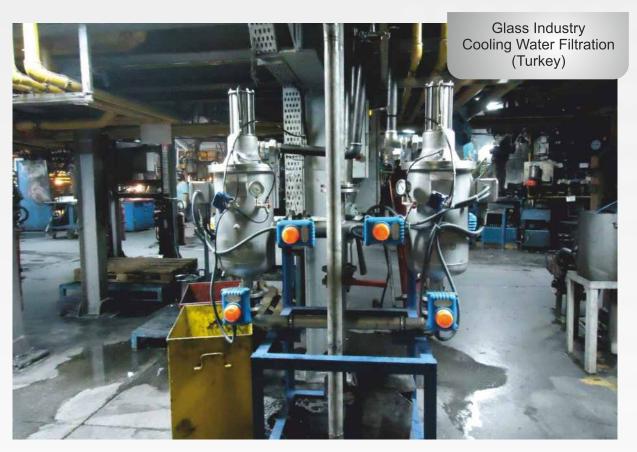








































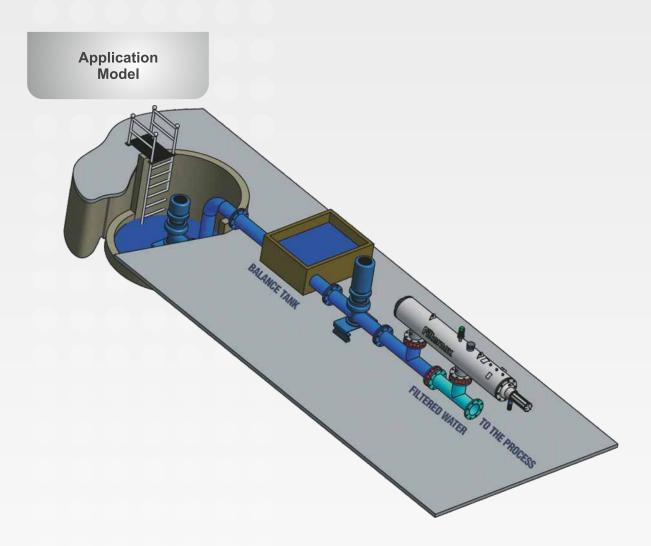


Well Water Filtration of well water is becoming one of the most important forms of filtration in the environmentally changing world.

High carbon emissions along with the increasing greenhouse effect have dramatically reduced underground water supplies. This in turn, increases the amount of both organic and inorganic pollutant particles in the well water that is pumped through pipelines and other systems, creating the need of filtration for well water.

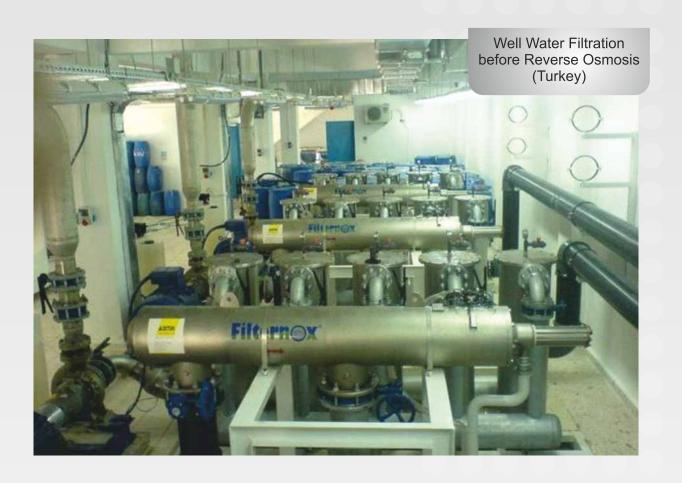
Along with this, fluctuations in weather patterns have limited the availability of surface water in certain locations, increasing the demand for supplies of well water. As a result, the filtration of well water has become a very important challenge in todays environment.

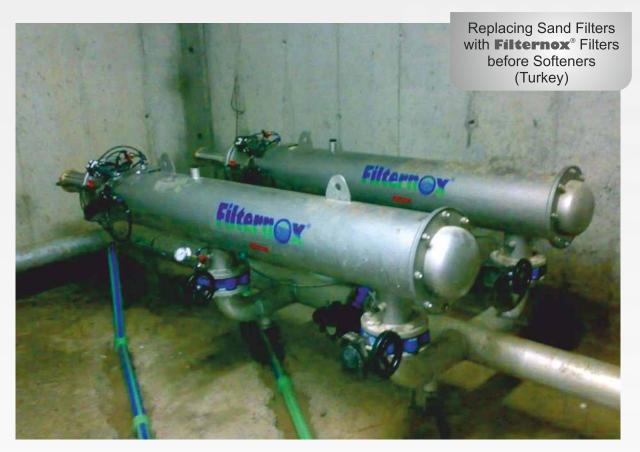
Filternox® provides an effective filtration of well water to reduce the operational costs of many applications.









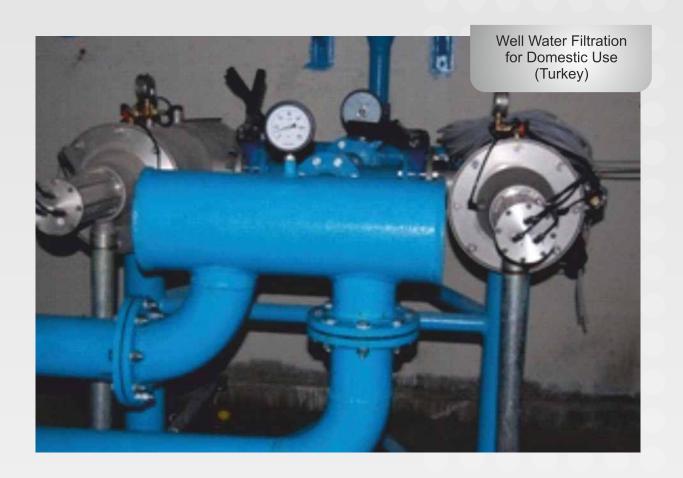


















Waste Water Recycle



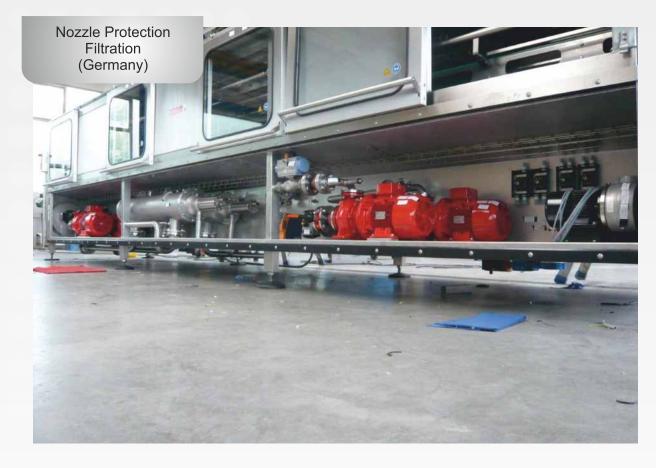




































TÜRK STANDARDLARI ENSTİTÜSÜ

KRITERE UYGUNLUK BELGESI

TURKISH STANDARDS INSTITUTION

CERTIFICATE OF CONFORMANCE TO CRITERIA

Markanın Tanımı Description of the Mark

TSEK veya / or ⊢ O Ш ¥

BELGE NUMARASI

REFERENCE NUMBER OF LICENCE

BELGENİN İLK VERİLİŞ TARİHİ DATE OF FIRST ISSUE OF LICENCE

BELGENİN SON GEÇERLİLİK TARİHİ LICENCE VALID UNTIL

BELGE SAHİBİ KURULUŞUN ADI NAME OF THE LICENCE HOLDER

BELGE SAHİBİ KURULUŞUN ADRESİ ADRESS OF THE LICENCE HOLDER

ÜRETİM YERİ ADI NAME OF THE MANUFACTURING PLACE

ÜRETİM YERİ ADRESİ ADRESS OF THE MANUFACTURING PLACE

TESCILLI TİCARİ MARKASI REGISTERED TRADE MARK

ILGILI BELGELENDIRME KRITERI

RELATED TURKISH STANDARD BELGE KAPSAMI SCOPE OF LICENCE

34/TSEK-3124

03.09.2004

03.09.2014

ANTEL ARITMA TESİSLERİ İNŞAAT SANAYİ VE TİCARET ANONIM SİRKETİ

NURETTIN DUMAN SOKAK KIZILTOPRAK PLAZA NO:34 34775 Y.DUDULLU ÜMRANİYE İSTANBUL

ANTEL ARITMA TESİSLERİ İNŞAAT SAN.VE TİC. A.Ş.

NURETTIN DUMAN SOKAK NO: 34 KIZILTOPRAK PLAZA 34775 Y.DUDULLU İSTANBUL

FILTERNOX

ÜBM-00-BK-000 / Kriteri Seçilmemiş Sözleşmeler için / 24.08.2010

SIVI FILTRASYON CIHAZLARI – OTOMATİK GERİ YIKAMALI (15-3000 MİKRON PARTİKÜL TUTMA KAPASİTELİ)
PİSTONLU TİP FILTRELER (PFH) (100-4000m²/h SIVI KAPASİTELİ) (TWİN, KATAMARAN, OPTİMİST, FİRAT MODELLERİ)
KİSA TİP FİLTRELER (SFH) (25-80 m²/h SIVI KAPASİTELİ)



2./09.2013

HAKAN DENIZ

"Enstitümüzce verilmekte olan "İmalata Yeterlilik Beigesi" 15.04.2007 tarininden ilibaren uygulamadan kaldırılmıştır.
"Bu belge, belgelendirilen ürünün, üretim yerinin Enstitümüzün belirlediği şartları karşıladığını da gösterir.
MÜDÜRÜ

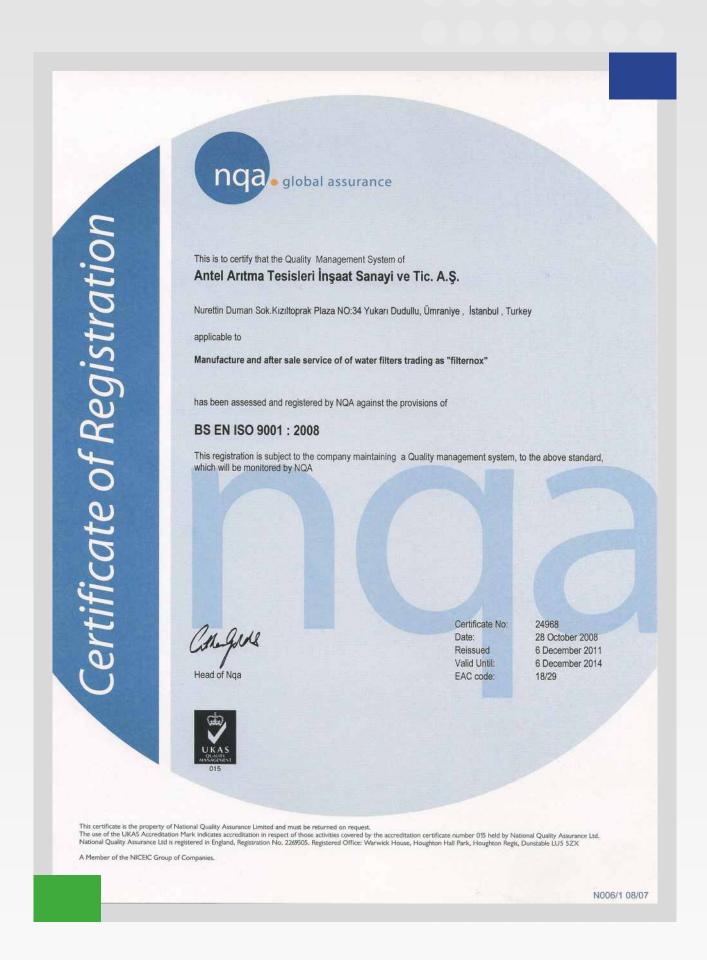
"Bu belge ile hak kazanılan TSEK Markası, ürünün TSE tarafından belirlenen kriteriere uygunluğunu ve bu uygunluğun belgelendirildiğini ifade eder

Bu belge hiç bir suretle tahrif edilemez, kısmen veya okunmasını zorlaştıracak şeklide çoğaltılamaz, kazıntı ve silinti yapıla

















DECLARATION OF CONFORMITY

İMALATÇI UYGUNLUK BEYANI

As the manufacturer, we declare that the product clearly defined below, has been manufactured in our factory in accordance with the requirements of 97/23/EC Pressure Equipment Directive.

Üretici olarak biz, aşağıda açık tanımı yapılmış olan ürünün, 97/23/EC Basınçlı Ekipmanlar Direktifi' nin gereksinimlerine uygun olarak üretildiğini beyan ederiz.

Model & Serial No Model & Seri No

Description

Automatic Self-Cleaning Filter

Classification

Pipe

Sıruflandırma

Maximum Pressure

Maximum Temperature :

Body Diameter

Gövde Çapı

Test Pressure

Test Fluid

Year of Manufacturing Üretim Yılı

Applied Conformity Assessment Procedure

Uygulanan Uygunluk Değerlendirme Prosedürü Applied Standard and Technical Specification

Uygulanan Standartlar ve Teknik Özellikler

Category I – Module A Kategori I – Modül A

AD 2000

2004 / 108 / EC - Electromagnetic Compatibility / Elektromanyetik Uyumluluk

: EN 55011 & EN 61000-6-2 & EN 61000-6-4 Applied Standard and Technical Specification

2006 / 95 / EC - Low Voltage Directive / Alçak Gerilim Direktifi

Applied Standard and Technical Specification : EN 60204-1

ulanan Standartlar ve Teknik Özellikle

Manufacturer : ANTEL ARITMA TESİSLERİ İNŞ. SAN. VE TİC. A.Ş.

Date

Signature

ANTEL ARITMA TESİSLERİ İNŞAAT SANAYİ VE TİCARET A.Ş.

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