



EUREX – Mixed Bed for Off Site Regeneration

Top-Grade Demineralized Water

A EUREX plant produces demineralized water of the highest quality without chemical usage at the installation site.

Minimum Plant Investment

Compared to conventional mixed bed plants the investment is small. At the same time the plant is easy to operate and by and large maintenance-free.

Good Working Environment

The regeneration takes place off site resulting in a better working environment since storage and handling of acid and lye are avoided. Furthermore, the plant is equipped with a strong transport frame to ensure easy handling.

Space-Saving

Off site regeneration renders storage of bulky chemical tanks superfluous. Besides, the plant is compact in itself.

Application

EUREX is specially developed for users needing demineralized water of the highest quality and who neither want to store nor to handle regeneration chemicals (acid and lye) at the installation site.

The system is applicable for the following main purposes:

- Demineralization of mains water.
- Polishing/final treatment of demineralized water.

Water Quality

Dependent on application the major part of the plant capacity has conductivities below 0.1 µS/cm.

Quality Control

As a guarantee that the regeneration has been optimum each batch will be subject to a careful quality control prior to dispatch and the regeneration date will appear from the label on the tank.

Off Site Regeneration/Return System

The system is based on regeneration at local EUROWATER regeneration centre. At exhausted capacity the tank is sent to the regeneration centre. Here the resin will be regenerated and the tank will be returned to the customer.

Plant Construction

A complete plant is composed of a tank unit and an operating unit.

The tank unit comprises a top with connections and a tank on a stainless steel frame. The standard tank has a polyethylene surface treatment both inside and outside.

The operating unit consists of a PVC valve system and a conductivity meter that continuously measures the conductivity. The unit is easy to install and the valve system facilitates exchange of tank.



Wall type operating unit with ST3 conductivity meter. The unit is also available with ST16 conductivity meter with alarm.



Both top and tank are also offered in stainless steel.

Specifications

| Type | Flow rate litres/h | Basic capacity* litres °GH | Height mm | Width mm | Depth mm | Transport weight kg |
|--------------|--------------------|----------------------------|-----------|----------|----------|---------------------|
| EUREX 21-F | 700 | 37800 | 1170 | 650 | 350 | 70 |
| EUREX 41-F | 1000 | 54000 | 1480 | 650 | 350 | 90 |
| EUREX 61-F | 1400 | 75600 | 1480 | 650 | 350 | 120 |
| EUREX 81-F | 2700 | 145800 | 1960 | 650 | 400 | 200 |
| EUREX 601-F | 4000 | 216000 | 1960 | 750 | 500 | 310 |
| EUREX 901-F | 4000 | 351000 | 1960 | 900 | 600 | 450 |
| EUREX 1201-F | 4000 | 502200 | 1960 | 1000 | 700 | 625 |
| EUREX 1801-F | 4000 | 756000 | 1960 | 1200 | 850 | 925 |

Inlet water pressure: Max. 6 bar. Water temperature: Max. 35°C.

* The capacity per regeneration is calculated by dividing the basic capacity by the salt content of the inlet water measured in equivalent hardness.