

MECHANIC GUIDE

INDUSTRIAL MIXED BED COMPLETE DESALINATION SYSTEMS

BlueSoft 07-MB

BlueSoft 15-MB

BlueSoft 30-MB

BlueSoft 60-MB

Before using the device, please read carefully the whole guide for use and handling.

Euro-Clear Kft.

Water purification and treatment equipment manufacturer and wholesale distributor

Tel: +36 96 544-240 • E-mail: contact@euro-clear.eu • Web: www.euro-clear.eu

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1. DEFINITION AND FUNCTION OF THE DEVICES

The equipment is a complete desalination system filled with a mixture of high-quality mixed-bed anion and cation exchange resins, which can reduce the salinity of raw water to a conductivity of up to 0.1 mS / cm. The quality of the treated water depends on the quality of the raw water and the volume flow. The third column of the table below illustrates the capacity of the equipment for a raw water treated with a 20dH German hardness or raw water treated by an RO equipment. When the capacity is depleted, the charge must be replaced.

Product code	Flow rate liter/h	Treated water between 2 regenerations 20°dH / RO raw water	Resin liter	Connection
BlueSoft 07-MB	100	280 / 3500 liter	9	3/4"
BlueSoft 15-MB	150	600 / 7500 liter	17	3/4"
BlueSoft 30-MB	300	1200 / 15000 liter	30	3/4"
BlueSoft 60-MB	500	2400 / 30000 liter	58	3/4"

2. TECHNICAL PARAMETERS OF THE DEVICES

Max. working pressure : 6 bar
Min. working temperature : 4 C°
Max. working temperature : 25 C°

Depending on the quality of the raw water, the removal of the iron and manganese and the operation parameters of the devices can change a lot compared to the parameters given above.



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3. THE MAIN PARTS OF THE DEVICE

3.1. Pressure Vessel

The pressure vessels are meant to store the catalytic charge. The vessels are PE pressure tanks developed especially for treating water with polyethylene padding. Outside they have epoxy resin coating rolled by fiber .

Features: high service life, compact weight,
resistance to chemicals and corrosion.

3.2. Mixed-bed ion exchange resin

Task: Implementation of the processes that form the basis of the chemical operation of the equipment on the charge bed.

3.3. Control Valve

Its function is to control the flow path of the water and prevent the filter media from escaping from the filter tank.

4. INSTALLATION OF THE DEVICE

INSTALLATION CONDITIONS:

A room with flat, horizontal and hard flooring is needed for the installation of the device. The flooring and the direct surroundings of the device must resist to the corrosive effect of the brine. The device must be installed in a room the temperature of which is between +5°C to +40°C. The temperature of the raw water to be treated must not exceed +30 °C. The device must not be installed in a strongly damp or dusty room. It must be protected from frost, radiant heat and ultraviolet radiance.

In case the water pressure from the water system exceeds 6 bars, a device to decrease pressure has to be fixed in front of the device.

Mechanical prefilter must be built in front of the device. It is important that the mechanical prefilter filtrates contamination bigger than 100 microns.

It is the customer's task to have the device connected to the water, sewage and electricity systems. The operator of the device and the specialist to complete the installation should both check if the device has been installed as described in the guide for use and handling and if the conditions to diminish risks of damage are given. The setting up of the device can be completed by the partner of the Euro-Clear Hungary Ltd's service that has a partnership contract.

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5. SETTING UP OF THE DEVICE

You have to order the setting up of the machine from Euro-Clear Hungary Ltd at one of the contact details below:

Phone: +3696 / 544-240

Postal address: Hungary, 9071 Gönyű, Béke street 2.

After the device has been set up, the copy of the warranty document filled in by the person having completed the setting up has to be sent to the address above in a verifiable way.

The fee of the setting up jobs gets calculated on the basis of the actual price list.

6. WARRANTY, GUARANTEE

In case of non-performance by the producer, the owner of the device can benefit from all warranty rights in 306-309. § in the Hungarian Civil Code.

The owner of the device can claim for warranty and guarantee only by showing both the receipt that has been received when buying the device and that proves the payment of the complete price and the warranty document that has been filled in.

Warranty and guarantee do not cover faults that have been caused by the following:

- The product has not been used properly, the instructions of the way of handling, using, installing or maintaining etc. have not been respected,
- the operation log was not filled continuously,
- the necessary corrective maintenance has not been completed, or has not been done by the designated professional servicing company,
- the product's nature has been transformed, changed,
- the owner of the device has not completed their liability of reducing risks of damage,
- problems and faults arisen from improper transportation, storage,

Warranty and guarantee claims can be validated only in case the operator of the device sends to the producer both pages of the operation data sheet filled in and signed by the professional mechanic in charge of setting up of the device along with the commercial invoice of the purchased equipment. It must be sent in a provable way.

Please send back to the address below both pages of the data sheet of setting up that have been filled in and signed:

Euro-Clear Ltd.

Postal address: Hungary, 9071 Gönyű, Béke street 2.

E-mail: contact@euro-clear.eu

DATA SHEET FOR SETTING UP

Name of the specialist to complete setting up:

Contact details of the specialist completing the setting up:

- Mailing address:
- Telephone number:
- E-mail address:

Name of the company having sold the device:

Contact details of the company having sold the device

- Mailing address:
- Telephone number:
- E-mail address:

Name of the operator of the device:

Contact details of the operator of the device

- Mailing address:
- Telephone number:
- E-mail address:

Type of the device that has been set up: BlueSoft

Date of setting up:

.....
signature, stamp

Warranty and guarantee are only valid in case the setting up has been completed by Euro-Clear Hungary Ltd or its agent. You can order the setting up of the device at the contact details mentioned below.

Euro-Clear Kft.
9071 Gönyű, Béke utca 2.
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Data sheet for setting up

Done

1. Check the mechanical and electric connections as follows:

- | | | |
|------|---|--------------------------|
| 1.1. | Is a mechanical prefilter built in front of the device? | <input type="checkbox"/> |
| 1.2. | Is the pressure of raw water convenient? (2,5 – 6 bar) | <input type="checkbox"/> |
| 1.3. | Are the water flow directions convenient? (montage block, device) | <input type="checkbox"/> |

2. After regeneration is done, check the water quality coming from the device according to salinity and/or conductivity values.

Salinity value:mg/l

Conductivity value:µS/cm

In case the above mentioned values will be check by officials in a laboratory, attach a copy of the results to this data sheet.

3. Train the staff to properly handle the device.

4. Fill the warranty document.

5. Send back the data sheet of setting up signed (terms of warranty) to our company address.

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WARRANTY DOCUMENT

Type : BlueSoft

Producer : Euro-Clear Ltd.

In case the device is properly used, the producer undertakes a warranty of 12 months starting from the setting up, but maximum 18 months starting from the date of issuing the quality certificate. In case the interval between the issuing of the quality certificate and the setting up is longer than 6 months, the warranty of 12 months that starts from the setting up is only possible if the operator of the device orders the setting up from the producer in written. In this case, the producer will send a person to complete the setting up that has a partnership contract of servicing for completing the setting up.

DATE OF SETTING UP:

.....

.....
signature, stamp

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QUALITY CERTIFICATE

1. Quality Certificate issued by: Euro-Clear Ltd.		2. Producer: Euro-Clear Ltd.	
3. Punctual name of the product: Industrial mixed bed complete desalination system. Type: BlueSoft			
4. Quantity 1 pc		5. Weight (or) size:	6. Date of production:
7. Can be sold (used)		8. Product identification a./ Control Valve numbert: b./ ITJ-number: c./ Product code: d./ Other identification data:	
9. Delivery and storage regulations: It can only be transported and stored in standing position. Store in a cool, dry place, away from water and rain. Do not expose to direct sunlight or UV radiation. Extremely frost-hazardous.		10. Wrapping Cardboard.	
11. Features of product (with punctual technical details, measurement results): Volume flow:m ³ /h Volume of filter media:liter Quality and classifying: Convenient!			
12. Method of inspection for checking the quality of the product: During production			
13. Regulations for use and handling: As mentioned in the guide for using and handling			
14. Other details:		15. Signature of the person issued this certificate: Issued, Gönyü, 20..... signature, stamp	