

BIG BLUE

mixed bed - ion exchanger

With BIG BLUE made by BOGA, it is possible for the first time to produce even small quantities of deionised water in an economical way. The construction makes it possible for the user to renew the NON REUSABLE mixed bed resin filling himself or to insert a new non reusable cartridge.

Usage

Biology
Climate
Medicine
Pressure
Pharmacy
Galvanics
Chemistry
Cosmetics
Laboratory
Elektronics



progressive technology - extremely economical

TECHNOLOGICAL DESCRIPTION

The filter housing BIG BLUE consists of reinforced polypropylene, the filter head of ABS. The escape valve is made of high-quality steel. These materials give excellent chemical resistance characteristics.

TECHNICAL DATA BIG BLUE

Nominal diameter	max. pressure	max. temperature	dimensions	weight
R 1"	6.2 bar	37°C	605mm fitting height 184mm fitting length	3 kg

The BIG BLUE may be installed directly in a stable water pipe or mounted on the wall with a V2A support.

RESIN DESCRIPTION

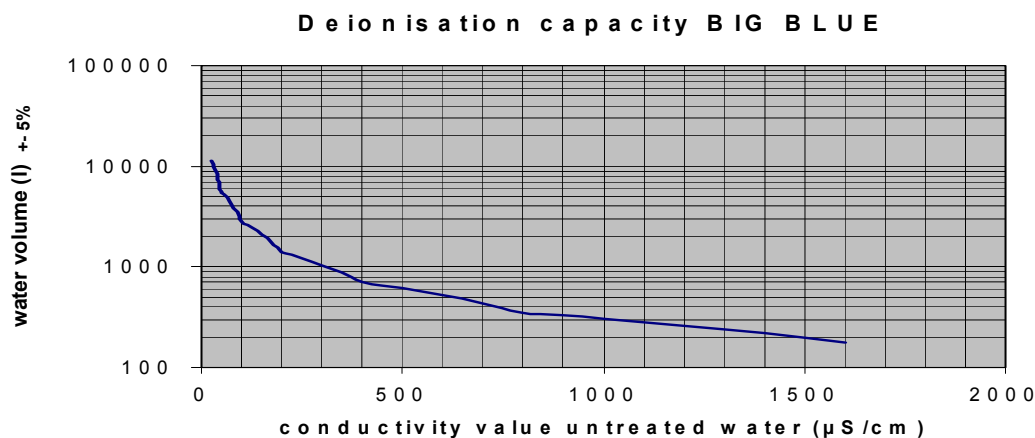
The high-quality non reusable mixed bed resin is a homogenous mixture of very sour cationite in the H⁺-form and an extremely basic anionite in the OH⁻-form. It is of consistent quality with a high cationic exchange capacity. It is pure with optimal graining for high exchange capacity and speed. The resin is mechanically stable with a high uptake capacity for organic impurities.

Characteristics

Volume shares	:	cationic components:	46 to 52%
		anionic components:	48 to 54%
Form of delivery	:	H ⁺ / OH ⁻	
Bulk weight	:	680 to 755g/l	
Chemical resistance	:	Insoluble in acids, lyes and the usual solvents.	

The resin is sold in 25 l airtight sacks. That is sufficient for 6 new fillings of the BIG BLUE empty container. If the input water has a conductivity of 400µS/cm, one filling will produce about 4.000l of deionised water with a conductivity of < 20µS/cm. A conductivity meter is needed to determine the quality of the deionised water and with it the degree of exhaustion of the resin.

The BIG BLUE with empty container is extremely economical, as it is designed for an infinite number of fillings. The only running costs are the replenishment of the non reusable mixed bed resin.



ORDER NO. / EQUIPMENT

- 8002010 BIG BLUE filter housing with empty-container (without resin filling), assembly key and 2 PVC-adapters R1"/ R 1/2" with bolting for hose D/d=10/8mm.
- 8002011BIG BLUE filter housing with non reusable cartridge (with resin filling - demineralisation capacity 500l/400µS/cm), assembly key and 2 PVC-adapters R1"/ R 1/2" with bolting for hose D/d=10/8mm.
- 8002012BIG BLUE empty container - substitute container
- 8002013BIG-BLUE non reusable cartridge (filled with resin - demineralisation capacity 500l/400µS/cm)
- 8002014mounting support V2A, fastening screws;
- 8002015non reusable mixed bed resin 25 l (airtight-shut sack)
- 7703204LW-conductivity meter for direct connection to the LW sensor

Subject to technical changes / Date of issue 05.2005

Distribution and service: