

BIG METAL

mixed bed - ion exchanger

With BIG METAL made by BOGA, it is easy to produce deionised water economically. The construction makes it possible for the user to renew the NON REUSABLE resin filling himself on the spot.

Usage

Biology
Climate
Medicine
Pressure
Pharmacy
Galvanics
Chemistry
Cosmetics
Laboratory
Elektronics



progressive technology - extremely economical

APPARATUS DESCRIPTION

Mixed bed ion exchanger made of high-quality steel. Head, which has integrated handles, and stilt are protected by a vulcanised hard rubber collar. The escape valve is also made of high-quality steel which has excellent chemical resistance characteristics.

The internal water distribution system is in the shape of a ring so the resin is used uniformly, thus maximising resin life.

TECHNICAL DATA BIG METAL

Nominal diameter	max. pressure	max. temperature	dimensions	weight
R 3/4"	6.0 bar	37°C	699mm fitting height 237mm fitting length	6 kg empty 26kg full

RESIN DESCRIPTION

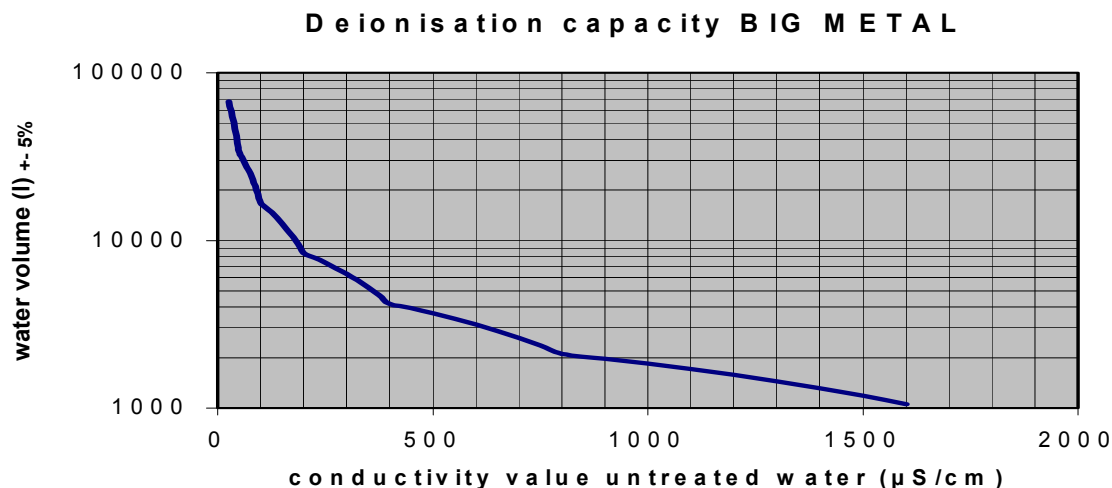
The high-quality non reusable mixed bed resin is a homogenous mixture of very sour cationite in the H⁺ form and an extremely basic anionite in the OH⁻ form. It has a consistent quality with a high cationic exchange capacity. It is pure and optimal graining for high exchange capacity and speed. The resin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

The resin is sold in 25 l airtight sacks. This sufficient for 1 refill of the BIG METAL empty container. If the water has an input conductivity of 400µS/cm, one filling with 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 METAL is extremely economical, as it is designed for an infinite number of refills. The only running cost is the replenishment of the non reusable mixed bed resin.



ORDER NO. / EQUIPMENT

7702007BIG METAL mixed bed ion exchanger with a NON REUSABLE resin filling 25 l

8002015non reusable resin 25 l (airtight-shut sack)

7703204LW-conductivity meter for direct connection of the LW sensor

option:

7702001BIG METAL mixed bed ion exchanger with REUSABLE resin filling 25 l
(to be regenerated)

Subject to technical changes / Date of issue 05.2005

Distribution and service: