

## Trouble-free water softening with Broxo®

- very pure refined vacuum salt
- free from contaminants
- dissolves completely and evenly
- suitable for the production of drinking water in accordance with EN 973 type A
- consistent ISO/HACCP quality
- experienced technical service

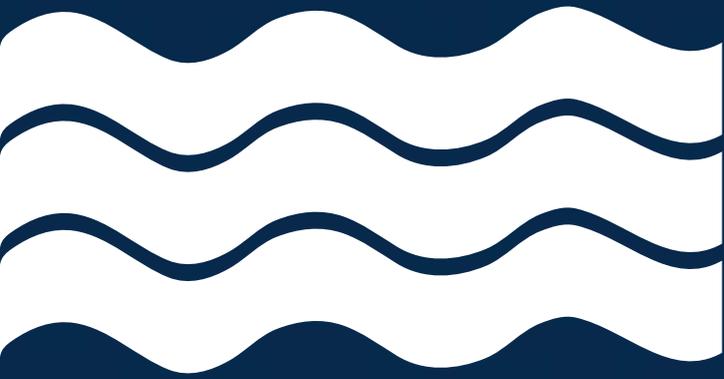
Brand name	Type	Package	Key application
Broxo® 6 -15	compacted salt	25 kg bag 10 kg bag 1000 kg FIBC	industrial/ domestic
Broxetten®	tablets	25 kg bag	industrial/ domestic
Broxomatic®	beads	2 kg package 750 gr packet	dishwashers
Broxo Block®	block	2,5 kg	compact softening installations

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Your BROXO® supplier:



# BROXO<sup>®</sup>

WATER SOFTENING SALT



# Broxo water softening salt

**The efficiency of water softening installations largely depends on the quality of the salt used. This is why Broxo has developed very pure regeneration salts, compacted under high pressure. Our quality products Broxo®, Broxetten®, Broxo Block®, and Broxomatic® offer you tailor-made regeneration salts for all types of water softening installations, both industrial and domestic.**

## Hard water costs money

Hard water is more than just H<sub>2</sub>O. Hard water also contains high concentrations of calcium and magnesium ions and this leads to scaling and furring. This will reduce the life and efficiency of heating equipment, pipes and taps. Besides, hard water also reduces the cleaning power of soaps and detergents and causes unsightly scale on baths and crockery. Therefore, water is softened to save money and avoid inconvenience.

## Water softening

Water softening installations remove unwanted calcium and magnesium ions by a process referred to as ion exchange. The ion exchanger consists of one or more tanks, filled with millions of tiny synthetic resin beads. These resin beads are saturated with sodium ions. When the hard water passes through the tank with the ion exchanger, the calcium and magnesium ions in the water are attracted so strongly by the resin beads that they are absorbed by the resin. The sodium ions are repelled in the process and end up in the now soft water.

## Regeneration salt

After a while, the synthetic beads become saturated with calcium and magnesium ions and the ion exchanger will have to be regenerated. This means that the resin beads have to be refilled with sodium ions

and at the same time be stripped off the calcium and magnesium ions. For this purpose, brine –water fully saturated with salt– is led through the resin tank. The brine solution is taken from a separate storage tank with compacted regeneration salt. The compacted salt slowly dissolves in the water and thus keeps the brine supply strong.

## Broxo: the best quality

For maintenance-free and efficient operation of your water softening installation it is essential that the regeneration salt used is of the best quality. The Broxo products meet all requirements to ensure smooth operation.

## Broxo: very pure refined vacuum salt

Broxo products are made of very pure refined vacuum salt, free from any harmful soluble or insoluble contaminants. Insoluble contaminants damage pumps and valves and may be deposited in the brine tank. Soluble contaminants form a threat for the ion exchanger and the quality of the end product, 'soft water'. That is why no sea salt or rock salt is used in any Broxo product, but only very pure refined vacuum salt.

## Broxo: compacted under high pressure

Regeneration salt should dissolve evenly and gradually in order to form a perfect brine solution at every regeneration cycle. Most regeneration salts are compacted under low pressure. That is why they disintegrate more readily, which is referred to as 'mushing', and form an impermeable cake in the storage tank or other elements of the water softening system. Broxo products always retain their form, even after long periods in the brine tank. This is the result of a unique production method, in which the refined vacuum salt is compacted under special conditions and high pressure. Broxo products therefore not only provide soft water but also eliminate the need for storage tank cleaning and thus prevent extra maintenance.

## Broxo: Tailor-made solutions for every application

In close cooperation with producers and suppliers of industrial and domestic water softening installations we developed a complete product line. For each application, a Broxo product is available with the right bead size, so that we can always meet the specific process and equipment requirements for your daily practice. This varies from, for instan-

# BROXO®

Broxomatic®

Broxo® 6-15

Broxetten®



ce, Broxo® for laundries, Broxetten® for hospitals and Broxomatic® for dishwashers, to the special Broxo Blocks® for compact water softening plants. No wonder that the leading manufacturers of water softening installations recommend Broxo regeneration salts.

**Broxo: continuous research**

Broxo stands for quality. That is why we constantly invest in research and product development. Research is carried out both internally and externally to improve the high quality of Broxo products even further.

**Broxo: consistent quality**

Broxo meets the most stringent international requirements. All sites where Broxo is produced are ISO 9001-certified and meet the HACCP (= Hazard Analysis by Critical Control Points)-protocol requirements. Besides, all Broxo products meet the industrial standard for regeneration salt (EN 973 type A). Broxo products are therefore free of contaminants and hygienically packed, as many water softening systems also supply drinking water.



**Advantages of Broxo vacuum salt over sea or rock salt**

Vacuum salt is the purest salt on earth and, compared with sea or rock salt, hardly contains any harmful soluble or insoluble contaminants. These contaminants damage pumps and valves and may be deposited in the brine tank. At the same time, the contaminants form a threat to the ion exchanger and, consequently, the quality of the end product, 'soft water'.

Broxo vacuum salt extends the life of your equipment and saves you cleaning and maintenance costs.



Broxo Block®

