

AK 1019, 1030



Desalination plant

For You and Planet Blue.

 **BWT**
BEST WATER TECHNOLOGY

Technical data:		AK 1019	AK 1030
Capacity per regeneration	m ³ at 1 °dH approx.	60 - 80	120 - 160
	m ³ at 10 °dH approx.	6 - 8	12 - 16
	m ³ at 20 °dH approx.	3 - 4	6 - 8
	m ³ at 25 °dH approx.	3 - 3,5	6 - 7
Water connection	"	3/4	
Max. water pressure	bar	6	
Max. temperature	°C	60	
Pressure loss at 30 litres/minute	bar	0,6	
Flow	litres/minute	30	
Dimensions (HxD)	mm	540/265	820/265
Article no.		421020170	421020120

Function

The AK 1019/1030 plant consists of a single fiberglass tank containing 2 types of cation filter resin. The raw water is led through the resin of the filter. This reduces the content of calcium and magnesium combinations in the water by which means the water is partially demineralised.

Maintenance

Due to the construction and regeneration method of the AK 1019/1030 plant, no maintenance has to be carried out by the user. When the capacity of the plant has been used up, the entire tank is replaced by an exchange tank which has been maintained and serviced at BWT, so that the quality of the filter always lives up to a perfect dishwashing result.

Capacity

The capacity of the plant is very dependent on the content of calcium, magnesium and bicarbonate (lime) in the raw water. See diagram; but as a ground rule you may say that with an AK 1030 unit, East Denmark gets approx. 1,600 dishwashes per exchange and West Denmark approx. 2,500 dishwashes per exchange.

Quality

The AK 1019/1030 plant demineralises the raw water partially which gives a water quality quite superior to that of the traditional softening plants. The evaporation residue after treatment in the AK 1019/1030 unit will be less than half compared to a softening plant. This means that in connection with dishwashing of tableware and glasses, the final result will be of extremely satisfactory quality.

Regeneration

The AK 1019/1030 plant contains no automatics for regeneration. When the capacity has been used up, one of our technicians will replace the filter and BWT will regenerate the

used up filter in our factory. The replacement interval will be planned at the commissioning of the plant. An alarm box is available as optional equipment. A red LED on the alarm indicates if the capacity is almost used up. When this red LED shines, it is time to order a filter replacement.

You can order a handy trolley which makes it easy to move the plant around, for example when cleaning.
Article no.: 421020095



Complete alarm system for AK 1019/1030.
Article no.: 506700000



BWT sells complete installation kits for fitting of the plant.
Article no.: 656525400



Please contact BWT HOH for further questions concerning sizing or to get a free sample lineup. The systems can also be rented.