

# Water Softening System

## For steam generators and other vaporizers

Compact floor-standing model with electronic control unit and salt container.

### Features and benefits:

- High-performance water softening system with integrated electronic control unit and multi-functional valve.
- Available in two versions to suit 1-6 persons (AKE 40) or 8-20 persons (AKE 120) households.
- Electronic control unit with adjustable water hardness level
- Pre-set regeneration time at 2:00 am to ensure the availability of softened water during the daytime.
- Pressure-resistant container with high quality ion exchange resin. With cover for control unit and valve.
- With container for salt (serves as brine preparation container)
- Automatic bypass directs the water past the system during regeneration.

### Technical specifications:

Control valve:	pre-mounted, BNT 1650F with safety overflow
Control unit:	electronic (clock, regeneration, softening level)
Regeneration cycle:	automatic, default time 2:00 am (adjustable)
Regeneration period:	~25 Min.
Capacity with softening performance of 10°dH:	4000 l (AKE 40) / 12000 l (AKE120) per day
Water connection:	1" external thread
Water:	min. 5°C / max. 30°C, pressure 2 - 6 bar
Power supply:	230V 1N ~, ~10W

Performance data based on 3.8 bar inlet pressure, full brine capacity.  
(Incoming water hardness 20° dH, blending hardness 8° dH).



Side view with inner elements:



Connections overview:



Model	Item no.	Electrical connection	Dimensions H/W/D, mm	Suits a household with approx.	Flow rate	Ion exchange resin filter capacity	Nominal softening capacity	Salt consumption	Water consumption per regeneration
AKE 40	94 6773	230V 1N ~	670 x 320 x 520	1 - 6 persons	2400 l	11,5 l	40 m³x1°dH	2,4 kg	~84 l
AKE 120	94 6818		1250 x 320 x 520	8 - 20 persons	3000 l	30 l	120 m³x1°dH	7,2 kg	~144 l