

# Berkoion™ Softeners

Classic Simplex Range



Berkoion™ Classic Simplex softeners provide high quality softened water for industrial applications.

Flow rates from **1 to 17 m<sup>3</sup>/hr.**

## Features & Benefits

- Proven designs and materials; efficient operation, easy to maintain, reliable
- Volume or time controlled, automatic or semi-automatic regeneration; minimal operator involvement

## Specific models

- Bercore™ counter current regeneration; reduces salt usage and waste, improves treated water quality
- Advanced controller with LCD display; range of control options, easy to use, integrates with centralized control systems

## Applications

- Boiler feed
- Glass washing
- Cleaning and rinse waters
- RO feed water
- General manufacturing

## Related Services

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.

# Berkoion™ Softeners

## System Performance

Model	Flow Rates	Capacity	Salt Usage Per Regen.	Connection	Working Pressures	Width	Height	Depth
	m <sup>3</sup> /hr	kg CaCO <sub>3</sub>	kg	Rp (inches)/DN(mm)	bar	mm	mm	mm
<b>Time controlled, semi automatic</b>								
H20	1.0 - 1.3	1.4	5.0	Rp ¾	2.0 - 8.5	725	995	390
H30	1.5 - 2.0	2.1	7.5	Rp ¾	2.0 - 8.5	910	1001	530
H50	2.5 - 3.0	3.6	12.5	Rp ¾	2.0 - 8.5	910	1472	530
ZH25	1.4 - 2.0	1.8	6.25	Rp 1	1.4 - 8.5	750	1120	390
ZH50	2.5 - 3.0	3.6	12.5	Rp 1	1.4 - 8.5	935	1450	530
<b>Time controlled, automatic, CC</b>								
AZ25	1.4 - 2.0	1.3	2.3	Rp 1	1.8 - 8.5	768	1120	390
AZ45	2.3 - 3.2	2.3	4.1	Rp 1	2.0 - 8.5	935	1590	530
AZ70	2.8 - 3.5	3.5	6.3	Rp 1	2.0 - 8.5	976	1596	530
AZ90	4.0 - 5.0	4.5	8.1	Rp 1	2.5 - 8.5	1055	1867	600
AZ105	6.0 - 7.2	4.8	8.55	DN 40	2.0 - 8.5	1198	1918	600
AZ150	8.0 - 10.0	7.1	12.6	DN 40	2.5 - 8.5	1570	1928	930
AZ250	12.0 - 14.0	12.2	21.6	DN 50	2.5 - 8.5	1702	1895	930
AZ350	15.0 - 17.0	17.3	30.6	DN 50	2.5 - 8.5	1973	2228	1120
<b>Volume controlled, automatic, CC</b>								
AWA25	1.4 - 2.0	1.3	2.5	Rp 1	1.8 - 8.5	768	1141	390
AWA45	2.3 - 3.2	2.3	4.0	Rp 1	2.0 - 8.5	935	1620	530
AWA70	2.8 - 3.5	3.5	6.5	Rp 1	2.0 - 8.5	976	1611	530
AWA90	4.0 - 5.0	4.5	8.0	Rp 1	2.5 - 8.5	1080	1886	600
AW105	6.0 - 7.2	4.8	8.6	DN 40	2.0 - 8.5	1198	1918	600
AW150	8.0 - 10.0	7.1	12.6	DN 40	2.5 - 8.5	1570	1928	930
AW250	12.0 - 14.0	12.2	21.6	DN 50	2.5 - 8.5	1702	1895	930
AW350	15.0 - 17.0	17.3	30.6	DN 50	2.5 - 8.5	1973	2228	1120

CC = Bercore™ counter current regeneration

## Displays & Controllers

Electronic Controller	AZ Series
Microprocessor Controller with LED Display	AW25, AW45, AW70, AW90

### AW105, AW150, AW250, AW350

Advanced microprocessor controller with LCD display. Intuitive symbol based keypad; programmable with retentive memory; indication of current flow rate, capacity remaining before next regeneration; pulse input. May be connected to centralized control system.

## Material Specifications

Resin Vessels	Glass Reinforced Plastic (GRP)
Brine Tanks	Polyethylene (PE)

## Feed Water Supply Quality

Potable water free from organic contamination and suspended matter. Maximum temperature 30°C (65°C for ZH25 and ZH50).

## Electrical Supply

230V 50Hz standard (no supply necessary for H20, H30 and H50)

**For higher flow rate applications consult your local Veolia Water Solutions & Technologies company, details below.**

In keeping with the progressive nature of the company, we reserve the right to amend details without notice.

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Visit our website:  
[www.veoliawaterst.com](http://www.veoliawaterst.com)