

ELGA PROCESS WATER

Berkoion™ Softeners

Classic Simplex Range

Producing up to 17 m³/hr
of high quality softened water



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

Flow rates from 1 to 17 m³/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 centralised control systems

Applications

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

AQUAservice

Our service and maintenance agreements provide flexible options, to ensure your system is operating to optimum performance.

Salt

Our Premium Grade tablet salt is designed for all water softeners, and recommended for those supplied by ELGA Process Water.

Berkoion™ Softeners

System Performance

Model	Flow Rates	Capacity	Salt Usage Per Regen	Connection	Working Pressures	Width	Height	Depth
	m ³ /hr	kg CaCO ₃	kg	Rp (Inches)/ DN(mm)	bar	mm	mm	mm
Time Controlled, Semi Automatic								
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

Time Controlled, Automatic, CC*								
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

Volume Controlled, Automatic, CC*								
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	1161	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 centralised 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 ELGA Process Water

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