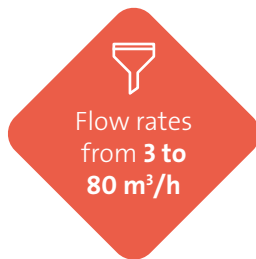


# IONSOFT™ Mega (Berkoion)

## Industrial softeners

The IONSOFT Mega is a softener range based on ion Exchange resins technology that can be used for any industrial application. It is designed with upflow counter-current regeneration to optimize OPEX. It uses multiple individual valves to reduce pressure losses and ease maintenance.

• 4 Models



### FEATURES & BENEFITS

- Proven designs and materials; efficient operation, easy to maintain, reliable.
- Multiple individual valves: reduces pressure loss by almost 50% compared to single valve systems.
- Optimized usage of regeneration salt: upflow counter-current regeneration.
- Advanced controller with LCD display; range of control options, intuitive operation, integrates with centralized control systems.
- Continuous production: duty/ stand-by configuration



### APPLICATIONS

- Reverse Osmosis feed water pre-treatment (eg. before Sirion)
- Cooling towers
- Glass washing
- Cleaning and rinse water
- Laundry

### HYDREX® CHEMICALS

Hydrex™ 7110 water treatment chemicals from Veolia Water Technologies and salt pellets should be used for optimized operation.

### 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.





### System operating parameters and dimensions

Model	Unit	AW2-550	AW2-800	AW2-1050	AW2-1400
Min production flowrate	m <sup>3</sup> /h	2.7	3.9	5.1	6.8
Max production flowrate	m <sup>3</sup> /h	27	39	51	68
Max flowrate (short period)	m <sup>3</sup> /h	32	46	60	80
Capacity*	kgCaCO <sub>3</sub>	27.9	40.6	53.3	71.0
Length	m	3.20	3.95	4.49	4.67
Width	m	1.39	1.70	1.77	1.93
Height	m	2.65	2.74	2.82	2.91
Raw water connection	-	Flange DN80	Flange DN100	Flange DN100	Flange DN100
Soft water connection	-	Flange DN80	Flange DN80	Flange DN80	Flange DN100
Water consumption per regeneration	L	2731	3969	5206	6942
Salt consumption per regeneration*	kg	49.5	72	94.5	126

\* the nominal capacity has been referred to economy brine consumption of 90 g NaCl/liter of resin.

### Feed Water requirements

Parameter	Unit	Value
Min water temperature	°C	5
Max water temperature	°C	30
Min inlet pressure	bar	3
Max inlet pressure	bar	8.5

Feed water must have a quality equivalent to potable water, colorless, free from organic contamination, chlorine, Iron, manganese and suspended solids. Raw water shall not contain hardness stabilizing agents and must not be over-saturated with gas.

### Environmental conditions

Parameter	Unit	Value
Min ambient temperature	°C	5
Max ambient temperature	°C	35

Indoor installation in a non-corrosive atmosphere.

### Materials

Resin vessels	Glass Reinforced Plastic
Brine tanks	PE
Pipework	PVC

### Power requirements

Voltage	AC 230V / DC 22V
Frequency	50 Hz (60 Hz on request only)
Phase	1