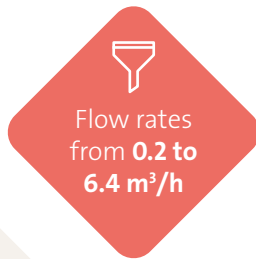


IONSOFT™ Midi (Berkesoft)

Cost-efficient softeners

The IONSOFT Midi is a cost efficient softener range based on ion Exchange resins technology that can be used for industrial applications. It is designed with upflow counter-current regeneration to optimize OPEX.

- 5 vessel sizes.
- Up to 2 units in Duty/Stand-by.



FEATURES & BENEFITS

- User-friendly controller with LCD display integrated in the Control valve.
- Regeneration can be triggered manually or automatically.
- Automatic regeneration is based on Volume and time.
- Optimized usage of regeneration salt: upflow counter-current regeneration and proportional regeneration when resins are only partially exhausted.
- Possibility to have duty/stand-by configuration with 2 vessels.
- Integrated blending device: can be used when target is not to remove completely hardness.



APPLICATIONS

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

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	Midi 15	Midi 25	Midi 45	Midi 70	Midi 90
Min production flowrate	m ³ /h	0.2	0.4	0.5	0.7	0.8
Max production flowrate	m ³ /h	2	3.3	5.4	5.9	6.4
Capacity	kgCaCO ₃	0.71	1.25	2.23	3.66	4.55
Length	m	0.86	0.88	0.89	1.05	1.06
Width	m	0.60	0.60	0.6	0.68	0.68
Height	m	1.09	1.09	1.3	1.42	1.57
Connections	-	R1" BSPT	R1" BSPT	R1" BSPT	R1" BSPT	R1" BSPT
Model Duty/ Stand-by	Unit	Midi 2-15	Midi 2-25	Midi 2-45	Midi 2-70	Midi 2-90
Min production flowrate	m ³ /h	0.2	0.4	0.5	0.7	0.8
Max production flowrate*	m ³ /h	2	3.3	5.4	5.9	6.4
Capacity	kgCaCO ₃	1.43	2.50	4.46	7.32	9.10
Length	m	1.49	1.49	1.50	1.71	1.71
Width	m	0.60	0.60	0.6	0.68	0.68
Height	m	1.09	1.09	1.3	1.42	1.57
Connections	-	R1" BSPT	R1" BSPT	R1" BSPT	R1" BSPT	R1" BSPT
Regeneration (per vessel)						
Water consumption per regeneration	L	85	128	216	328	485
Salt consumption per regeneration	kg	1.75	3	5.4	8.4	10.8

Feed Water requirements

Parameter	Unit	Value
Min water temperature	°C	5
Max water temperature	°C	25
Min inlet pressure	bar	2.5
Max inlet pressure	bar	6

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.

Power requirements

Voltage	AC 100-240V
Frequency	50/60 Hz
Phase	1