

Aquadem



Production of purified water using demineralization cylinders.

The “Aquadem” range consists of 14 models of demineralizers of different capacities. It is mainly dedicated to industrial applications, the health sector and laboratories.



Flow rates from
80 to 40,000 l/h



Pharma



Cosmetics



Laboratory



Power



General
Industry



Hydrogen



Electronics



✓ FEATURES & BENEFITS

- Robust unit
- Easy to install and connect
- Chemical-free use
- Zero discharge
- Operates at raw water supply pressure
- Low pressure loss at maximum flow
- High ion exchange capacity and high quality
- No noise pollution
- No need for storage or pump

ASSOCIATED SERVICES

Local after-sales service and support teams offer preventive and corrective maintenance programs to ensure efficient, long-term operation of facilities (Subject to availability).

💧 APPLICATIONS

- Production of demineralized water for laboratories and industries.
- Polishing at the outlet of the Reverse Osmosis (RO) unit, separate bed deionization system and electrodeionization.
- Production security by setting up a by-pass which will be activated in the event of a fault

+ OPTIONS

- Connection kits
- Pistol
- Over-heads
- Disinfection head
- Disassembly tools
- Stainless steel frame
- Regulation and filtration panel (sold separately)





System Operating Parameters

Model	Unit	E100	E200	E300	E500	E525	E600	E625
Nominal Feed Flowrate	l/h	80	150	250	450	1 500	600	1 500
Nominal Pressure	bar	3	3	3	3	3	3	3
Maximum Operating Pressure	bar	5	5	5	5	5	5	5
Pressure Loss at Optimum Flow	bar	0.20	0.20	0.20	0.20	0.65	0.60	0.50
Nominal Capacity*	L	1400	2500	3900	3900	3900	10800	10800
		700	1200	1900	1900	1900	5400	5400
		400	800	1300	1300	1300	3600	3600
		300	600	900	900	900	2700	2700
		200	500	700	700	700	2100	2100

Model	Unit	E1000	F	G	I	IHF	L	M
Nominal Feed Flowrate	l/h	1 500	1 300	1 800	2 500	10 000	20 000	40 000
Nominal Pressure	bar	3	3	3	3	3	4	4
Maximum Operating Pressure	bar	5	5	5	5	5	5	5
Pressure Loss at Optimum Flow	bar	0.50	0.70	0.50	0.20	0.20	2.00	2.00
Nominal Capacity*	L	17000	19500	27000	45000	45000	90000	180000
		8400	10000	13500	22500	22500	45000	90000
		5600	6500	9000	15000	15000	30000	60000
		4200	5000	7000	11250	11250	22500	45000
		3300	4000	6000	9500	9500	18000	36000

*Exchange capacity depending on feed water: 10°F | 20°F | 30°F | 40°F | 50°F
 Subject to the level of dissolved CO2 and the stability of the quality of the feed water.

System Dimensions

Model	Unit	E100	E200	E300	E500	E525	E600	E625
Diameter	m	0.21	0.21	0.26	0.25	0.25	0.35	0.35
Total Installed Height	m	0.60	0.81	0.81	1.32	1.32	1.11	1.11
Recommended Headroom*	m	0.70	0.91	0.91	1.42	1.42	1.21	1.21
Operating Weight	kg	14	22	31	60	60	86	86
Resin Volume	L	8	14	22	43	43	60	60

Model	Unit	E1000	F	G	I	IHF	L	M
Diameter	m	0.35	0.35	0.64	0.64	0.64	0.90	1.10
Total Installed Height	m	1.49	2.10	2.10	2.10	2.17	2.01	2.13
Recommended Headroom*	m	1.59	2.20	2.20	2.20	2.27	2.11	2.23
Operating Weight	kg	124	221	244	393	400	810	1280
Resin Volume	L	94	130	180	300	300	600	1200

*Estimated value for an S2 overhead with trap installed on top.
 Dimensions given for information only. For more details, refer to the overall plans.





Pipes Connections

Model	Unit	E100	E200	E300	E500	E525	E600	E625
Feed	DN	¾M	¾M	¾M	¾M	¾M	¾M	¾M
Outlet	DN	¾M	¾M	¾M	¾M	¾M	¾M	¾M

Model	Unit	E1000	F	G	I	IHF	L	M
Feed	DN	¾M	Ø32	Ø32	Ø32	Ø63	Ø90	Ø90
Outlet	DN	¾M	Ø32	Ø32	Ø32	Ø63	Ø90	Ø90

Connection diameters are indicated for optional overheads.
 For more details, particularly for connection types: refer to the overall plans.

Feed water Requirements

Parameter	Unit	Value
Maximum supply pressure	barg	5
Minimum water temperature	°C	+5
Maximum water temperature	°C	+35

Environmental Conditions

Parameter	Unit	Value
Minimum ambient temperature	°C	+5
Maximum ambient temperature	°C	+35

Indoor installation only, in a non-corrosive atmosphere protected from UV rays.

Materials of Construction

Pressure Vessels	Polyamide and polyester
Pipework	PVC
Skid	Inox

Our regeneration centers around the world

