

Deionizers

Lab water systems



High quality water systems

Evoqua Deionizers provide a safe, cost-effective supply of high-purity deionized water for a wide variety of laboratory applications. Featuring special resin types inside the system, our range of deionizers reliably remove ions to meet your water purity requirements.

The high-quality, 1.4571 stainless steel deionizers can be operated at pressures up to 10 bar and are significantly more resistant to mechanical stress than conventional glass fibre-reinforced plastic cartridges.

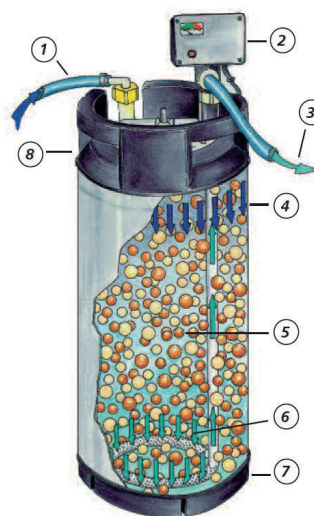
Benefits

- Unique water distribution for capacity utilisation
- Low acquisition cost compared to a pure water system
- Low operating cost through reduced maintenance time
- Compact footprint
- Proven stainless steel quick-fit couplers

Typical applications

- Feed for ultrapure water systems
- General laboratory work
- Laboratory washing machines
- Water for autoclaves and environmental chambers
- Buffer preparation
- Polishing of RO water

Configure the system to meet your needs and select from proven stainless steel quick-fit couplers (SK), 1 1/4", or 3/4" threaded connectors. We also offer a variety of accessories to enhance any system configuration, such as a conductivity meter and hose sets. More information on parts and accessories can be found on page 2.



1. Feed water inlet
2. Conductivity meter
3. Deionized product water
4. Inlet water distribution
5. Mixed bed resin
6. Product water distribution
7. Hard-rubber base
8. Hard-rubber collar with support handles

Specifications for deionizer with quick-couplings (SK)

Type SG ... SK	2000 SK	2800 SK	4500 SK	6200 SK	7000 SK	15000 SK
Capacity* (l)	2000	2800	4500	6200	7000	15000
Flow rate max. (l/h)	450	800	1000	1000	1500	1500
Resin charge (l)	13	19	30	40	50	100
Pressure max. (bar)	10	10	10	10	10	10
Dimensions						
Diameter (mm)	230	230	230	230	360	360
Tank height (mm)	410	570	785	1025	660	1111
Total height incl. meter (mm)	515	675	886	886	1125	1230
Shipping weight (kg)	18	24	34	48	52	92
Part number	W3T199735	W3T199172	W3T199736	W3T198029	W3T199173	W3T199789

Specifications for deionizer with threaded connectors (3/4"/1 1/4")

Type SG ...	2000 3/4"	2800 3/4"	4500 3/4"	6200 3/4"	7000 1 1/4"	15000 1 1/4"
Capacity* (l)	2000	2800	4500	6200	7000	15000
Performance max. (l/h)	450	800	1000	1000	2000	3000
Pressure max. (bar)	10	10	10	10	10	10
Dimensions						
Diameter (mm)	230	230	230	230	360	360
Tank height (mm)	410	570	785	1025	660	1111
Total height incl. meter (mm)	530	690	900	1140	710	1160
Shipping weight (kg)	18	24	34	48	53	93
Part number	W3T199409	W3T198640	W3T198639	W3T198638	W3T199061	W3T198437

*: Capacity per regeneration for total dissolved solids (TDS) 1.79 mol/m³, corresponding to 10°d. At 1°d TDS the conductivity is approx. 30 µS/cm

Accessories

W3T198266	Conductivity meter P2/30 SK, 0-20 µS/cm
W3T198373	Conductivity meter P2/30 ¾", 0-20 µS/cm
W3T197840	Conductivity meter P1/50 WA, 0-50 µS/cm
W3T199245	Conductivity meter LFW200 digital, 0-200 µS/cm
W2T808004	Water guard w. sensor R ¾" i. Ms, 6,8 m ³ /h; 230 V tube fit.
W2T828181	Water guard R ¾" i/a, Ms, KV 1.2 m ³ /h, 230 V
W3T197588	Solenoid valve, ¾" i/a tube fitting, currentless closed, 220 V/50 Hz
W3T199037	Conductivity electrode C = 0.2, without TC, ¾" i/a
W3T198767	Conductivity electrode C = 0.2, without TC, ¾" a/SK
W3T331762	Conductivity electrode (C = 0.2), without TC, AG 1/2"
W2T525642	Conductivity electrode (C = 0.2), TC, G 1/2" a for LFW200
W3T347290	VB4 Distribution block, POM, 4 valves
W3T204904	Float switch 250 V, 10 A
W3T403968	Flushing filter/Backflow preventer combi ¾"
W2T844284	Flushing filter/G ¾", 10 bar, sieve 0,11 mm
W3T198259	SK Conversion kit; Cartridge and hose set ¾" thread connector to Quick-fit coupler
W3T197586	SK Conversion kit; Cartridge ¾" thread connector to Quick-fit coupler
W2T524664	Mixed bed resin MB 400, 0.5 val/l, 25 l bag/Price per Liter

Set of hoses with SK quick-couplers

W3T199302	For SG 2000 - SG 15000 SK; 2 x 1.5m, quick-coupler only for P2/30-SK connection
W3T199289	For SG 2000 - SG 15000 SK with cond. sensor, 2 x 1.5 m, quick-coupler, electrode
W3T199288	(C = 0.2) for P1/50 or LFW200 connection
	For SG 2000 - SG 15000 SK, TC, 2 x 1.5 m, SK, electrode (C = 0.2) only for LFW200 Connection

Set of hoses with threaded connectors

W3T198103	For SG 2000 - SG 6200 3/4" ; 2 x 1.5m, 3/4" external thread only for P2/30 connection
W3T197682	For SG 2000 - SG 6200 3/4" with cond. sensor, 2 x 1.5 m, 3/4" external thread, electrode (C = 0.2) for P1/50 or LFW200 connection
W3T198041	For SG 2000 - SG 6200 3/4", TC, 2 x 1.5 m, 3/4" external thread, electrode (C = 0.2) only for LFW200 connection
W3T199844	SG 7000 - SG 15000 1 1/4" with conductivity sensor; 2 x 1.5 m, 1 1/4" external thread, electrode (C = 0.2) for P1/50 or LFW200
W3T198267	For SG 7000 - SG 15000 1 1/4", TC, 2 x 1.5 m, 1 1/4" external thread, electrode (C = 0.2) only for LFW200 connection

TC: temperature compensated

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