DEIONIZERS

LATEST TECHNOLOGY, HIGHEST QUALITY, ENVIRONMENT- FRIENDLY

The high quality 1.4404 stainless steel deionizers can be operated at pressures of up to 10 bar.

They are significantly more resistant to mechanical stress than conventional glass fiber reinforced plastic cartridges.

Evoqua has optimized the water flow to ensure that the resin bed can be used to its full capacity.

Our deionizers are available with the proven stainless steel quick-fit couplers (SK), 1 ¼" or with ¾" threaded connectors.
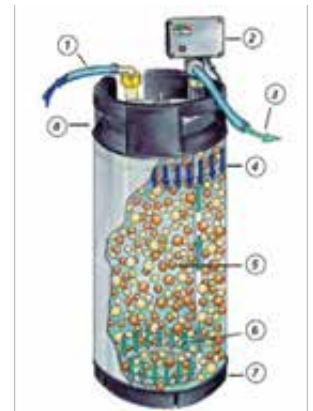
All deionizers are supplied without conductivity meter and hose set (or probe). Please order these devices separately.

Benefits

- Low acquisition costs
- Special water distribution for full utilization of capacity
- 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

Typical Applications

- Microbiology
- Electronics
- Optics
- Semiconductor
- Pharmaceutical
- Chemistry
- Clinical
- Power Plants
- Glass industry
- Plating industry
- Food service

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	11000SK	15000 SK
Capacity *	In liter	2000	2800	4500	6200	7000	11000	15000
Max. flow rate	l/h	450	800	1000	1000	2000	2500	3000
Resin Charge	L	13	19	30	40	50	75	100
Max. pressure	bar	10	10	10	10	10	10	10
Dimensions								
Diameter	mm	230	230	230	230	360	360	360
Tank height	mm	410	570	785	1025	660	980	1111
Total height incl. meter	mm	515	675	886	1125	780	980	1230
Shipping weight	kg	18	24	34	48	52	68	92
Part number		W3T199735	W3T199172	W3T199736	W3T198029	W3T199173	W3T198027	W3T199789

SPECIFICATIONS FOR DEIONIZER WITH THREADED CONNECTORS

Type SG....		2000 ¾"	2800 ¾"	4500 ¾"	6200 ¾"	7000 1 ¼"	11000 1 ¼"	15000 1 ¼"
Capacity *	In liter	2000	2800	4500	6200	7000	11000	15000
Performance max.	l/h	450	800	1000	1000	2000	2500	3000
Pressure max.	bar	10	10	10	10	10	10	10
Dimensions								
Diameter	mm	230	230	230	230	360	360	360
Container height	mm	410	570	785	1025	660	980	1111
Container height incl. meter	mm	530	690	900	1140	710	910	1160
Shipping weight	kg	18	24	34	48	53	69	93
Part number		W3T199409	W3T198640	W3T198639	W3T198638	W3T199061	W3T197829	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.

Part number	Description
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, 0-200 µS/cm
W2T808004	Leak detector with sensor 3/4" thread connector
W2T808003	Leak detector with sensor 1" thread connector
W3T197588	Solenoid valve, 3/4" thread connector, current-less closed
W3T204904	Float switch level control with electrical contact
W3T331762	Conductivity electrode (c=0.2)
W2T525642	Conductivity electrode (c=0.2), temperature compensated
W3T198259	Quick-coupler adapter for deionizer and hose
W3T197586	Quick-coupler adapter only for deionizer
W3T347290	Distribution block VB4; POM, 4 Valves
W3T197588	Solenoid valve 220V/50Hz DN 10
W3T204904	Float switch, 250V, 10A

Set of hoses with SK quick-couplers

W3T199302	For SG 2000 - SG 15000 SK; 2 x 1.5m, quick-coupler only for P2/30 connection
W3T199289	For SG 2000 - SG 15000 SK with conductivity sensor ; 2 x 1.5m, quick-coupler, electrode (c = 0.2) for P1/50 or LFW200 connection
W3T199288	For SG 2000 - SG 15000 SK with temperature compensated sensor; 2 x 1.5m, quick-coupler, electrode (c = 0.2) only for LFW200 connection

Set of hoses with threaded connectors

W3T198103	For SG 2000 - SG 6200 ¾" ; 2 x 1.5m, 3/4" external thread only for P2/30 connection
W3T197682	For SG 2000 – SG 6200 ¾" with conductivity sensor ; 2 x 1.5m, 3/4" external thread, electrode (c = 0.2) for P1/50 or LFW200 connection
W3T198041	For SG 2000 – SG 6200 ¾" with temperature compensated sensor; 2 x 1.5m, 3/4" external thread, electrode (c = 0.2) only for LFW200 connection
W3T199844	SG 7000 – SG 15000 1 ¼" with conductivity sensor; 2 x 1.5m, 1 1/4" external thread, electrode (c = 0.2) for P1/50 or LFW200
W3T198267	For SG 7000 - SG 15000 1 ¼" with temperature compensated sensor; 2 x 1.5m, 1 1/4" external thread, electrode (c = 0.2) only for LFW200 connection

* Change intervals depend on feed water and consumption.

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WATER TECHNOLOGIES

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