

ULTRA CLEAR™ RO EDI

LEADING EDGE TECHNOLOGY

The successful Ultra Clear™ RO EDI Series combines leading edge technology and modern design. The name stands for the high quality purified water produced by the EDI cells combined with proven reverse osmosis technology.

The Ultra Clear RO EDI Series is characterized by low energy consumption, high product water yield, and economical operation. The latest pump technology with an almost silent motor is another highlight of our Ultra Clear RO EDI Series. As pioneers in the electro-deionization field, we can make your decisions easy.

EDI cells do not require regeneration chemicals as the mixed bed ion exchangers do. EDI modules also use less rinse water than comparable systems. The results are impressive: conductivity down to < 0.070 µS/cm, TOC values down to < 30 ppb, reduction of endotoxins down to < 0.02 EU/ml and significant bacteria reduction, set new standards for electro-deionization.

All systems display inlet and product water quality. The salt reduction rate will be shown in percentage. All systems are supplied with the first set of all cartridges and filters.

Typical Applications

- Feed for laboratory ultrapure water systems
- General chemistry
- Laboratory washing machines including final rinse
- Feed for autoclaves and environmental chambers
- Buffer preparation
- Photometry
- Spectrophotometry
- General chemical analysis
- Media preparation
- Protein electrophoreses
- Microbiological media preparation
- Cytology and histology work
- Electrophoreses

ACCESSORIES ULTRA CLEAR RO EDI 10-30

Item Number	Description
W3T324512	Tank 30l
W3T324513	Tank 60l
W3T324515	Tank 80l incl. Pump 8 l/min
W3T324514	Tank 80l incl. Pump 1,2 l/min

ACCESSORIES FOR ULTRA CLEAR RO EDI 55

Item Number	Description
W3T199202	Tank 30l
W3T199891	Tank 60l
W3T197510	Tank 80l incl. Pump 8 l/min
W3T197526	Tank 80l incl. Pump 1.2 l/min

SPECIFICATIONS

System Performance		Ultra Clear RO EDI 10	Ultra Clear RO EDI 20	Ultra Clear RO EDI 30	Ultra Clear RO EDI 55
Production rate	l/h	10	20	30	55
Typical Conductivity	µS/cm	<0,06	<0,06	<0,06	<0,06
Max. Conductivity	µS/cm	<0,1	<0,1	<0,1	<0,1
Resistivity	MΩ-cm	>5 (10-15 typical)	>5 (10-15 typical)	>5 (10-15 typical)	>5 (10-15 typical)
TOC	ppb	<30	<30	<30	<30
Bacteria	cfu/ml	<10	<10	<10	<10
Silicate	ppb	>99,9% removal	>99,9% removal	>99,9% removal	>99,9% removal
Feed water specifications					
Pressure	bar	0,1-5,0	0,1-5,0	0,1-5,0	0,1-5,0
Conductivity	µS/cm	1400	1400	1400	1400
Hardness	°dH	<20	<20	<20	<20
Colloid Index	SDI	<3	<3	<3	<3
Free Chlorine	mg/l	<0,1	<0,1	<0,1	<0,1
Fe	mg/l	<0,1	<0,1	<0,1	<0,1
SiO ² max. *	mg/l	<10	<10	<10	<10
CO ² max. *	mg/l	<15	<15	<15	<15
Water temperature	°C	5-30	5-30	5-30	5-30
Ambient temperature	°C	5-35	5-35	5-35	5-35
Power requirements					
Power consumption	W	200	200	200	200
Power supply	v/Hz	100-240V / 50-60Hz	100-240V / 50-60Hz	100-240V / 50-60Hz	100-240V / 50-60Hz
Dimensions					
Height	mm	530	530	530	530
Width	mm	340	340	340	340
Depth	mm	420	420	420	420
Catalog number		W3T324496	W3T324497	W3T324498	W3T198868

Ultra Clear RO EDI 10, 20 and 30 with IonPure EDI module, 55 with El-Ion Technology

* = Please contact us if you have high CO² and SiO₂ levels in your water

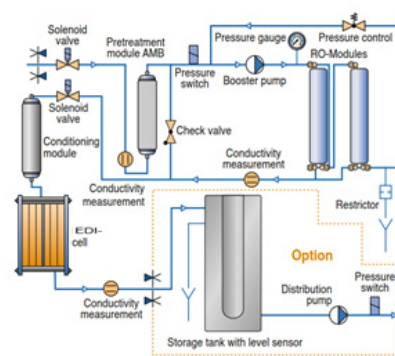
CONSUMABLES

Item number	Description	Change frequency
W3T197613	Pre-treatment module AMB	3 - 6 months *
W3T199848	Conditioning module	**
W3T197620	RO module UC 30 + 10 l/h	2 - 3 years
W3T197580	RO module 55 l/h ***	2 - 3 years
W3T328295	Replacement-RO-Module (UC 20+30)	2 - 3 years
W3T199197	CO ² Trap CT1, replacement (30+60l storage tank)	12 months
W2T558519	UV-Lamp 30, 60, 80-Liter-Tank	12 months

* = Cartridge exchange may be more frequent. Subject to feed water quality and consumption

** = Change frequency depends on water hardness and amount of used water. Please enter your actual hardness at the controller and the change frequency will be shown automatically

*** = Amount depends on system size



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