

MEDICA
DIAGNOSTICS

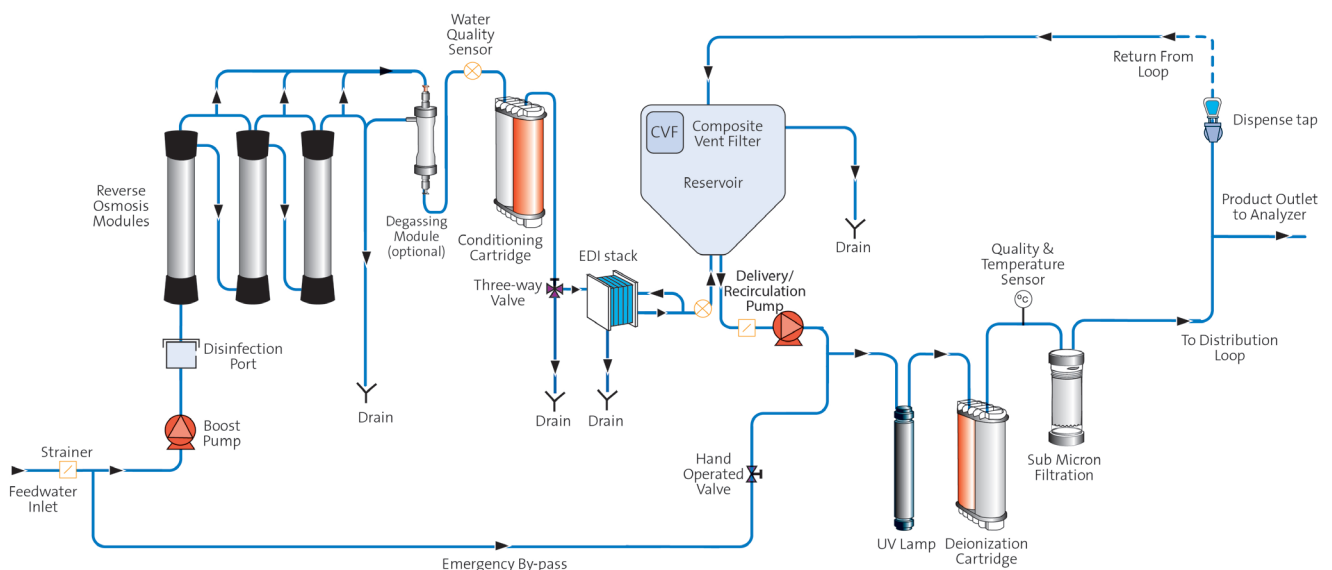


MEDICA® EDI 15/30

The MEDICA EDI 15/30 is a compact, high performance water purification system that directly feeds Clinical Diagnostic Analyzers with up to 1.5 l/min of CLRW standard grade water. The MEDICA EDI incorporates EDI ‘Pulse Technology’ using Electrodeionization (EDI). Innovative technology, combined with it’s unique features, makes the MEDICA EDI 15/30 a highly reliable and cost-effective choice.

- Space saving design – smallest footprint available on the market for the pure water specification. Optional Docking Vessel water reservoir facilitates bench top or wall mounting as a single unit
- Guaranteed performance at all times through self monitoring software, easy system maintenance and emergency by-pass facility
- Pure water ready to go – water specification is maintained in the reservoir by regular recirculation through the system’s purification process

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Treated Water Specifications

MODEL	MEDICA EDI 15	MEDICA EDI 30
Make-up rate @15°C	15 l/hr	30 l/hr
Delivery flow rate – maximum	1.5 l/min @ 14psi (1 bar)	1.5 l/min @ 14psi (1 bar)
Inorganics (resistivity @25°C)	>10 MΩ-cm	>10 MΩ-cm
Organics (TOC) – typical	<30 ppb	<30 ppb
Bacteria – typical	<1 CFU/ml*	<1 CFU/ml
Particles	0.2 µm filter	0.2 µm filter
Silica	<0.05 mg/l	<0.05 mg/l

* Subject to correct operating and maintenance procedures. Installation of MEDICA EDI unit requires the LA800 pre-treatment assembly and LC281 pre-treatment filters.

Dimensions and weights

Dimensions	Height 460 mm (18.1in), Width 550 mm (21.7in), Depth 270mm (10.6in)	
Operational weight	28 Kg (62 lbs)	29 Kg (64 lbs)
Installation	Bench/wall	Bench/wall

Feedwater Requirement[§]

Source	Potable water as detailed below
Conductivity	<1400 µS/cm*
Contaminant	
Hardness	<350 ppm as CaCO ₃
Free chlorine	<2ppm
Chloramine	<0.2 ppm
Carbon dioxide	30 ppm max
Silica	<30 ppm
Fouling index	<10
Iron/manganese	<0.05 ppm
Organics	<3 ppm TOC
Temperature	1 - 35°C (Recommended 15 - 25°C)
Flowrate (requirement at 15°C)	1.4 l/min
Drain requirements (gravity fall with air gap)	1.2 l/min

[§] Using LC281 pre-treatment filters

Feedwater Pressure

Maximum	30psi (2bar)	30psi (2bar)
Minimum	Flooded Suction	Flooded Suction

Electrical Requirements

Mains Input	100-240V ac, 50-60Hz
System control voltage	24V dc
Power consumption	110VA
Noise level	<45dBA

ELGA LabWater

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