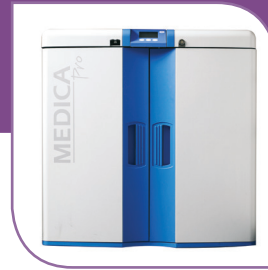


MEDICA
DIAGNOSTICS

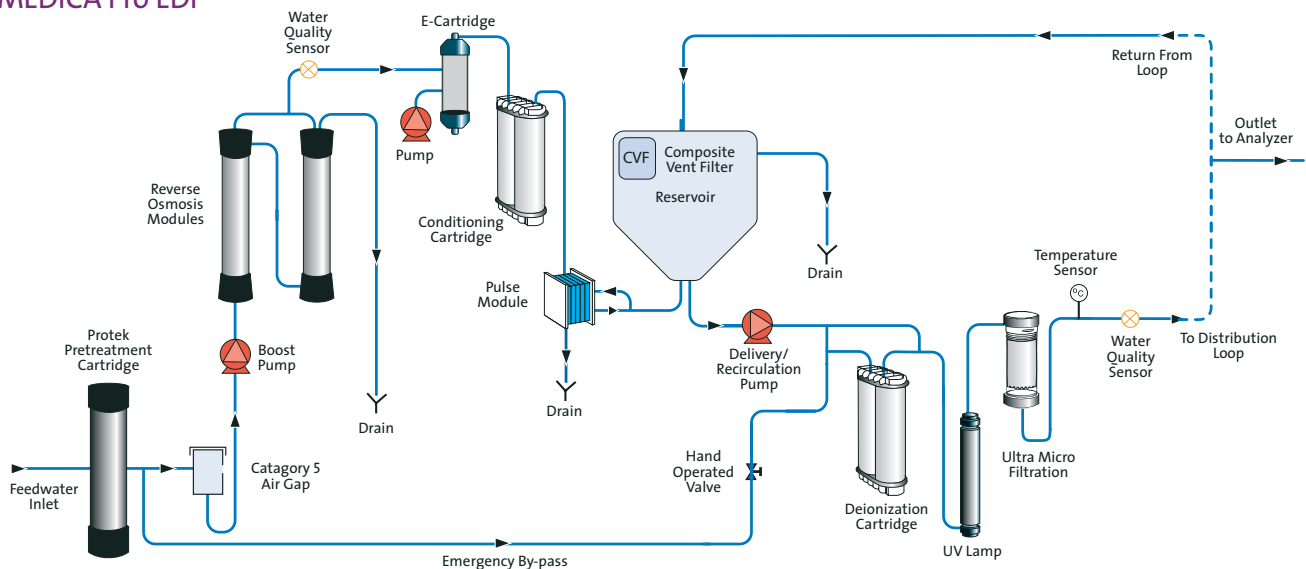


MEDICA® Pro EDI

The MEDICA Pro range is specifically designed to meet the water quality needs of high performance, high volume single or multiple Clinical Diagnostic Analyzers. The MEDICA Pro EDI incorporates EDI 'Pulse Technology' using Electrodeionization (EDI). The system delivers 4 l/min of CLSI CLRW water with up to 60 or 120 l/hr productivity to meet your analyzer requirements. The single system design incorporates all the water purification components plus a 50 liter storage reservoir to ensure a very quick and cost-effective installation.

- Space saving – 'all in one' design allows easy under-bench installation and flexibility for future relocation as the laboratory grows
- Economy – incorporates 'Pulse Technology' using Electrodeionization (EDI) to ensure fixed and predictable running costs
- Guaranteed performance at all times – self monitoring software with built in emergency by-pass allows uninterrupted operation 24 hours per day
- Guaranteed bacterial specification – onboard technology combined with easy system sanitization ensures a specification of <1 CFU/ml
- Upgradeable configuration – from 60 l/hr up to 120 l/hr production rate, to grow as your laboratory demands increase

MEDICA Pro EDI



MEDICA

DIAGNOSTICS

Treated Water Specifications

MODEL	MEDICA Pro EDI 60	MEDICA Pro EDI 120
Make-up rate @15°C	Up to 60 l/hr	Up to 120 l/hr
Delivery flow rate – maximum	Up to 4 l/min @ 14psi (1bar)	Up to 4 l/min @ 14psi (1bar)
Inorganics (resistivity @25°C)	>10 MΩ-cm	>10 MΩ-cm
Organics (TOC) - typical	<30 ppb	<30 ppb
Bacteria - typical	<1 CFU/ml ¹	<1 CFU/ml ¹
Particles	0.05 µm filter	0.05 µm filter
Silica	<0.05 mg/l	<0.05 mg/l

¹ Subject to correct operating and maintenance procedures.

Installation of a MEDICA Pro EDI unit requires a starter kit, please order either LC237 or LC238.

Dimensions and weights

Dimensions	Height 820mm (32.8in), 834mm (33.4in) including castors, Width 794mm (31.8in), Depth 470mm (18.8in)	
Supply weight	58Kg	65Kg
Operational weight	115Kg	122Kg
Installation	Floor/bench	

Feedwater Requirement

Source	Tap water as detailed below
Conductivity	<2000 µS/cm ²
Contaminant	
Hardness	<250 ppm as CaCO ₃
Free Chlorine	<4 ppm Cl ₂
Chloramine	<1 ppm Cl ₂
Silica	<30 ppm SiO ₂
Fouling Index	<10 FI
Iron/manganese	<0.1 ppm
Organics	<3 ppm TOC
Temperature	4 – 40°C (Recommended 15 – 25°C)
Flowrate (requirement at 15°C)	9 l/min
Drain requirements (gravity fall with air gap)	20 l/min
Feedwater pressure	90psi (6bar) maximum, 30psi (2bar) minimum

Failure to comply with the feedwater pretreatment recommendations will affect the life and performance of key components and may invalidate the warranty. Feedwater requirements are specified for systems fitted with a Protek pretreatment cartridge. If feedwater purity is variable or values are outside any of the above ranges, additional pretreatment is recommended to be installed in the feedwater supply to the MEDICA EDI system. If in doubt seek advice from Technical Support at ELGA LabWater.

² Purification pack life may vary with feedwater >1400 µS/cm

Electrical Requirements

Mains Input	230V ac, 50Hz, 115V, 60Hz
System control voltage (not including pumps and UV)	24V dc
Power consumption (peak demand)	650VA
Electrical protection rating	10 amps
Noise level	<63dBA

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