

MEDICA
DIAGNOSTICS

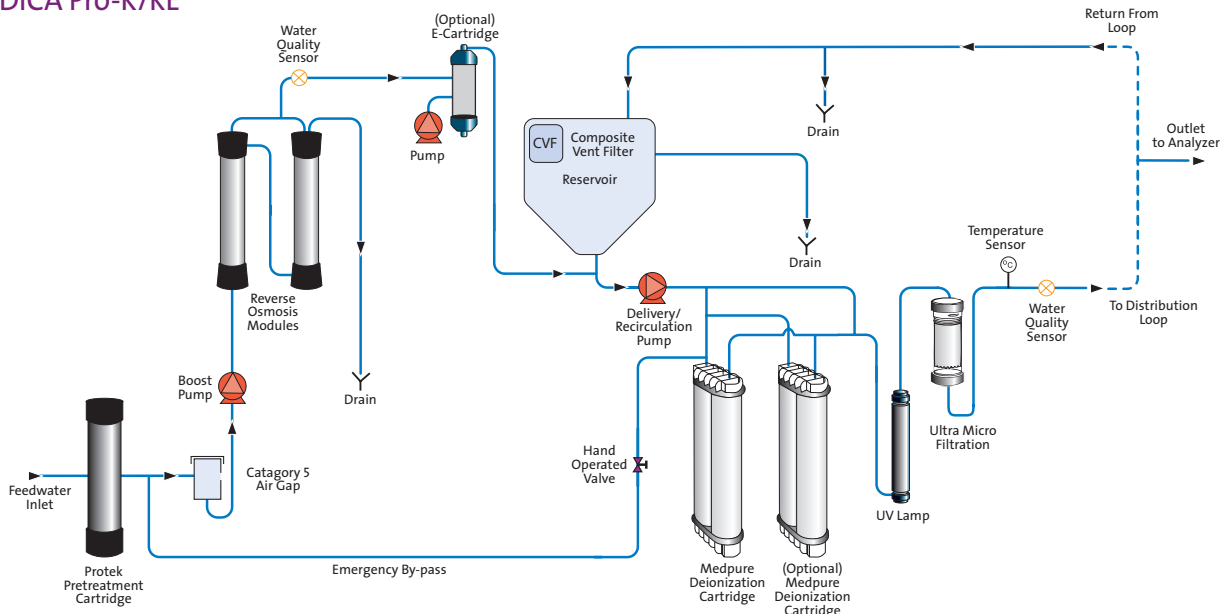


MEDICA[®] Pro-R/RE

The MEDICA Pro range is specifically designed to meet the water quality needs of high performance, high volume single or multiple Clinical Diagnostic Analyzers. All MEDICA Pro systems deliver up to 4 l/min of CLRW grade water with a choice of 30, 60 or 120 l/hr productivity to match 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 – budget adherence is maintained by optimal water purification technology and the use of an optional E-cartridge to reduce CO₂, depending on the feedwater quality
- 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
- Upgradable configuration – from 30 l/hr up to 120 l/hr production rate, 2 l/min up to 4 l/min flow rate, to grow as the laboratory grows

MEDICA Pro-R/RE



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Treated Water Specifications

MODEL	MEDICA Pro-30	MEDICA Pro-60	MEDICA Pro-120
Make-up rate @15°C	30 l/hr	60 l/hr	120 l/hr
Delivery flow rate – maximum	Up to 4 l/min @ 14psi (1bar) ¹	Up to 4 l/min @ 14psi (1bar) ¹	Up to 4 l/min @ 14psi (1bar) ¹
Inorganics (resistivity @25°C)	>10 MΩ-cm	>10 MΩ-cm	>10 MΩ-cm
Organics (TOC) - typical	<30 ppb	<30 ppb	<30 ppb
Bacteria - typical	<1 CFU/ml ²	<1 CFU/ml ²	<1 CFU/ml ²
Particles	0.05 µm filter	0.05 µm filter	0.05 µm filter
Silica	<0.05 mg/l	<0.05 mg/l	<0.05 mg/l

¹ With high flow kit (LA700) or 2 l/min @ 14 psi (1bar) without high flow kit. ² Subject to correct operating and maintenance procedures.

Dimensions and weights

Dimensions	Height 820mm (32.8in), 834mm (33.4in) including castors, Width 794mm (31.8in), Depth 470mm (18.8in)		
Supply weight	45kg	52Kg	53Kg
Operational weight	102Kg	109Kg	110Kg
Installation	Floor/bench	Floor/bench	Floor/bench

Feedwater Requirement

Source	Tap water as detailed below		
Conductivity	<2000 µS/cm ³		
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	9 l/min	9 l/min
Drain requirements (gravity fall with air gap)	20 l/min	20 l/min	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 Pro system. If in doubt seek advice from Technical Support at ELGA LabWater.

³ 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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