

MEDICA
DIAGNOSTICS

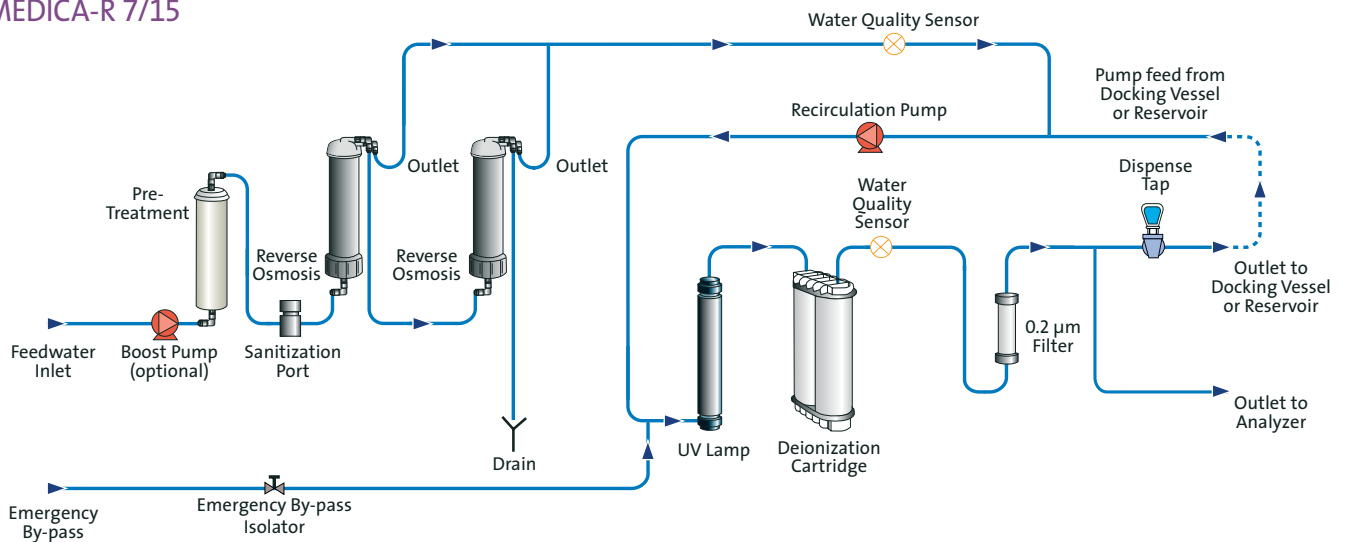


MEDICA[®]-R 7/15

The MEDICA-R 7/15 is a compact, high performance water purification system that directly feeds Clinical Diagnostic Analyzers with up to 1.8 l/min of CLRW standard grade water. Innovative technology, combined with its unique features, makes the MEDICA-R 7/15 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

MEDICA-R 7/15



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Treated Water Specifications

MODEL	MEDICA-R 7	MEDICA-R 15
Make-up rate @15°C	7.5 l/hr	15 l/hr
Delivery flow rate – maximum	Up to 1.8 l/min @ 30psi (2bar)	Up to 1.8 l/min @ 30psi (2bar)
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
Dissolved oxygen (MEDICA-D)	N/A	N/A

Dimensions and weights

Dimensions	Height 460 mm (18.1in), Width 550 mm (21.7in), Depth 270mm (10.6in)	Height 460 mm (18.1in), Width 550 mm (21.7in), Depth 270mm (10.6in)
Operational weight	18.5Kg	19Kg
Installation	Bench/wall	Bench/wall

Feedwater Requirement

Source	Tap water as detailed below	Tap water as detailed below
Conductivity	<2000 µS/cm*	<2000 µS/cm*
Contaminant		
Hardness	<350 ppm as CaCO ₃	<350 ppm as CaCO ₃
Free chlorine	<0.5 ppm	<0.5 ppm
Chloramine	<0.2 ppm	<0.2 ppm
Silica	<30 ppm	<30 ppm
Fouling index	<10	<10
Iron/manganese	<0.2 ppm	<0.2 ppm
Organics	<3 ppm TOC	<3 ppm TOC
Temperature	4 - 40°C (Recommended 15 - 25°C)	4 - 40°C (Recommended 15 - 25°C)
Flowrate (requirement at 15°C)	1.3 l/min	1.4 l/min
Drain requirements (gravity fall with air gap)	1.2 l/min	1.2 l/min

* Deionization cartridge life may vary with feedwater >1400 µS/cm

Feedwater Pressure

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

Electrical Requirements

Mains Input	100-240V ac, 50-60Hz
System control voltage (not including pumps and UV)	24V dc
Power consumption	83VA
Noise level	<45dBA

ELGA LabWater

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