

# Micra

GENERAL LABORATORY

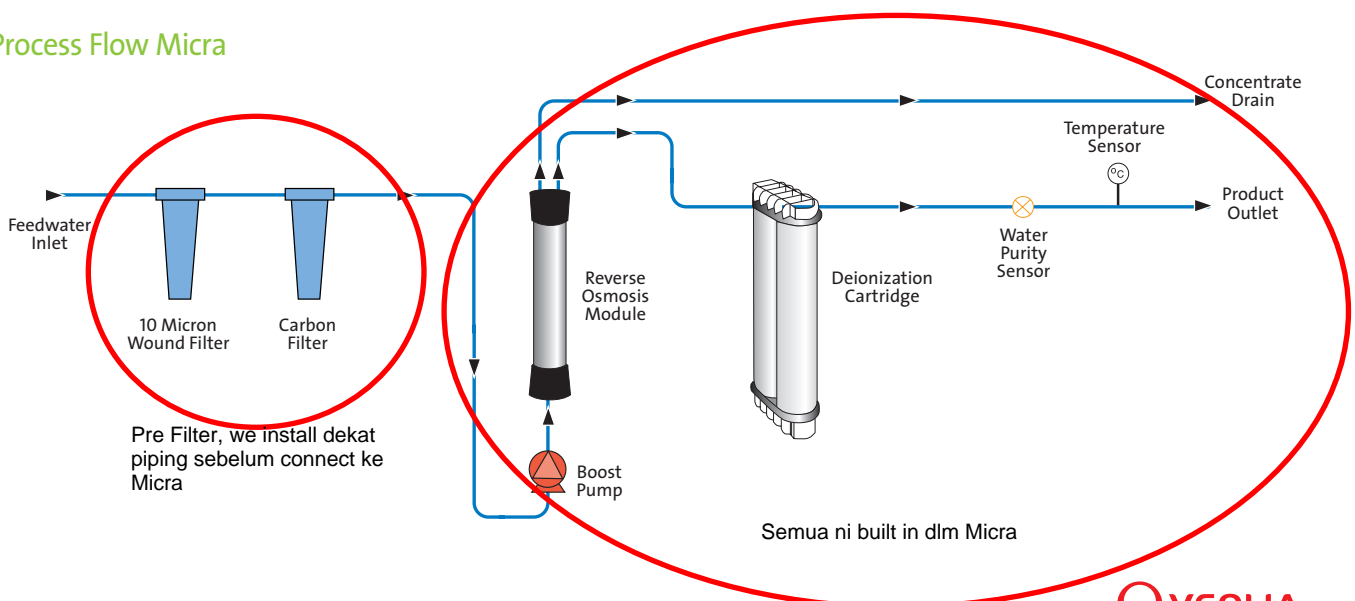


## Micra

Micra is a cost-effective system producing continuous and uninterrupted general laboratory grade water of single distilled purity or better. The system is designed as a highly efficient and reliable alternative for any laboratory using traditional water stills or bottled water. Providing a fit and forget solution, Micra significantly reduces energy consumption and essential maintenance associated with stills, while delivering a consistent supply of high purity water.

- Delivers single distilled purity or better from a potable mains water supply
- Provides up to 25 liters of pure water per day for general laboratory use
- Autofill reservoir function ensures a continual supply of purified water
- Long life, cost-effective consumables are easy to change
- User selectable status / alarm indicator monitors water purity accurately and easily
- Lower energy consumption. Typically 90% lower than a typical water still
- No quartz glassware or heating elements to clean or replace
- Provides an efficient alternative to buying and storing bottled water

### Process Flow Micra



# ELGA

### Treated Water Specifications

MODEL	Micra
Delivery flow rate – maximum	Up to 8 l/hr
Inorganics (resistivity @25°C)	>2 (Typically >10MΩ-cm)*
Inorganics (conductivity @25°C)	<0.5 (Typically <0.1 μS/cm)*
Organics (TOC) – typical	<50 ppb
pH	Effectively neutral
Particles	Reverse Osmosis stage

\* User selectable status / alarm indicator for monitoring water purity.

### Dimensions and weights

Dimensions	Width: 505mm (20.0in), Depth: 230mm (9.0in), Height: 335mm (13.0in)
Supply weight	12kg
Installation	Ground/Bench/Wall Can connect to any size and form of reservoir with a suitable 1" BSP threaded connection

### Feedwater Requirement

Source	Tap water as detailed below
Conductivity	<2000 μS/cm
<b>Contaminant</b>	
Calcium	<250 ppm as CaCO <sub>3</sub>
Free chlorine	<0.5 ppm
Silica	<30 ppm
Fouling index	<10
Iron/manganese	<0.1 ppm
Organics (TOC)	<3 ppm
Temperature	4 – 40°C (Recommended 15 – 25°C)
Flowrate (requirement at 15°C)	1.5 l/min
Drain requirements (gravity fall with air gap)	1.5 l/min

### Feedwater Pressure

Maximum	30psi (2bar)
Minimum	15psi (1bar)

### Electrical Requirements

Mains Input	100 – 240V ac, 50 – 60Hz
System voltage	24V dc
Power consumption (peak demand)	50 VA
Reservoir level electrical connection	4 Way Molex Connector
Noise level	<40dBA

ELGA LabWater

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LITR39773-01