

CRYSTAL CLINIC

The Crystal Clinic water purification system is designed to provide purified water for smooth and reliable operation of automated biochemistry analyzers.

Crystal Clinic has two reverse osmosis modules and high capacity deionization cartridge (DI). Large DI cartridge volume significantly reduces running costs.

Crystal Clinic has two water quality sensors. The first sensor controls quality of water in the storage tank. The second sensor controls quality of water supplied to a biochemical analyzer.



DESCRIPTION

Water type	Pure
Application	purified water for automated biochemistry analyzers
Display	monochrome LCD display
Conductivity sensor	•
TOC Monitor	-
Measurement validation port	-
Volumetric dispensing	-
Connection to Flow Point	-
Pressurized storage tank	required, not included
Installation	installable on a laboratory bench

ORDERING INFORMATION

Model	Part number
Crystal Clinic	CL-2910

SPECIFICATIONS

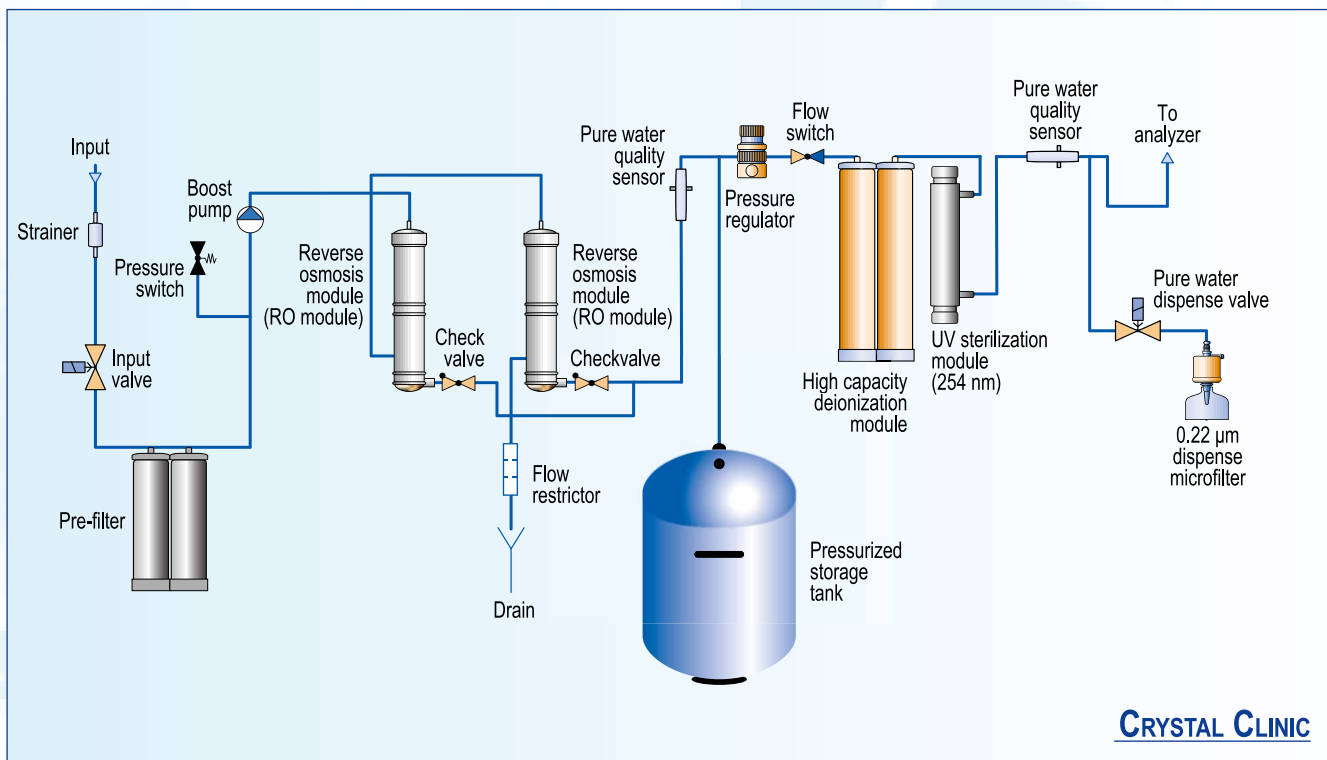
	Crystal Clinic
Grade 2 water resistivity at 25 °C	>10 MΩ x cm
Grade 2 water conductivity at 25 °C	<0.1 μS/cm
Particles >0.22 μm	<1 per mL
Nominal flow, pure water (to storage tank)	20 L/h
Dispense flow to analyzer	4 L/min
Dispense pressure (adjustable)	100 - 180 kPa
Deionization module life (high capacity module)	3 m ³
Recovery	>30 %
Dimensions (WxDxH), cm	40x50x55
System weight, kg	26
Operation weight, kg	39
Pressurized storage tank*	100 L
Feed water pressure	0.4 – 4 bar
Feed water conductivity	< 1500 μS/cm

* Required but not included. Other capacities available.

CONSUMABLES

Part number	Description	Replacement criteria	Comments
10410	Replacement pre-filter	Filter life counter is zero or the filter is clogged	
10113	Replacement high-capacity deionization module	„DI Err” message is shown, or water conductivity is consistently > 0.5 $\mu\text{S}/\text{cm}$	
10017	Replacement sterilization UV bulb	When required (on average every 2 years)	
10012	Replacement 0.22 μm dispense microfilter	Every 6–12 months	

FLOW DIAGRAM



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