

# arium® 613L

## Reverse Osmosis System



### Description

arium® 613L reverse osmosis (RO) system has been developed for applications requiring large volumes of RO water on demand. Capable of delivering up to 200 L of purified water per hour the arium® 613L is an efficient, reliable, low maintenance RO system.

The efficient RO membranes reduce water wastage and provide excellent product water quality whilst ensuring high retention rates of water impurities.

Water storage is simplified by the use of an integrated 100 liter tank, and booster pump. Product water can be readily distributed (2 m<sup>3</sup>/h at 3.7 bar) to several points of use.

### Applications

- Dishwashers
- General laboratory use
- Feed to multiple Ultrapure (Type 1) polishing systems

### Features

- High performance Thin-film composite (TFC) RO membranes
- Feed pump which ensures the RO membranes operate at a stable pressure and flow
- Filtrate distribution pump
- Prefiltration housing
- 5 µm particle filter
- Integrated 100 L permeate tank
- Compact design
- High quality components (Grundfos pump, Danfoss valves)
- Fully assembled control panel. No additional electrical installations.
- CE certified
- Flow meter and manometer for control of permeate flow and pressure
- Built-in pressure switch with alarm function
- Optional UV lamp and conductivity meter

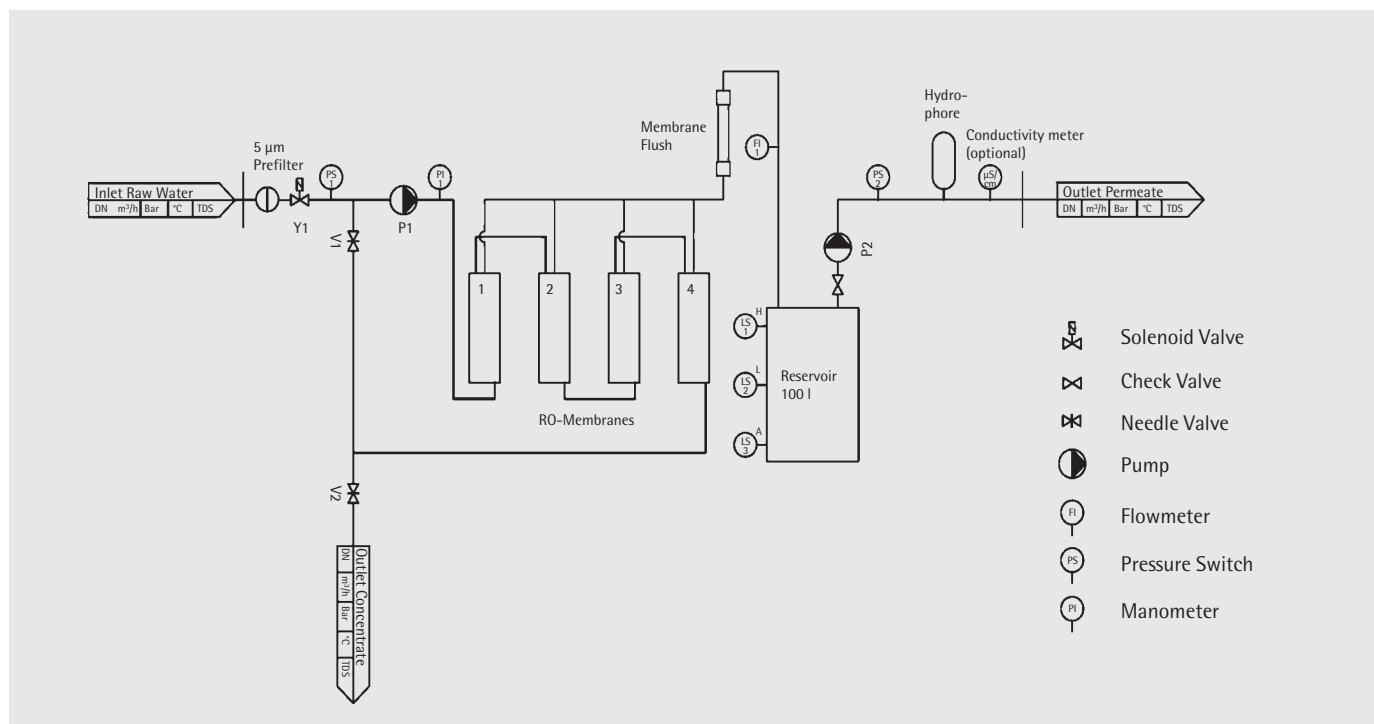
### Specifications

	613L 050	613L 100	613L 150	613L 200
Capacity l/h*	50	100	150	200
Max. Recovery rate %*	40-80	40-80	40-80	40-80
Rejection rates*				
Monovalent ions:			Up to 98%	
Polyvalent ions:			Up to 99%	
Particles:			> 99%	
Microorganisms:			> 99%	
Dissolved organics (> 300 MW):			> 99%	
Conductivity, µS/cm*	< 20	< 20	< 20	< 20
Storage Reservoir l	100	100	100	100
Max. Inlet Water Temperature	25°	25°	25°	25°
Max. Water Pressure	7 bar	7 bar	7 bar	7 bar
Min. Water Pressure	2 bar	2 bar	2 bar	2 bar
Number of membranes	1	2	3	4
Height, cm	85	85	85	85
Width, cm	58	58	58	58

\* Depends on feed water quality

# Laboratory Water Systems

## Flow Chart



## Ordering Information

Order No.	Electrical Connection	Description
613L050 613L050B	(230 Volt, 50 Hz) (115 Volt, 60 Hz)	Complete arium® RO system, 50 l/h, including 5 µm Prefilter, RO-Membrane, 100 l Tank, Pump
613L100 613L100B	(230 Volt, 50 Hz) (115 Volt, 60 Hz)	Complete arium® RO system, 100 l/h, including 5 µm Prefilter, 2 RO-Membranes, 100 l Tank, Pump
613L150 613L150B	(230 Volt, 50 Hz) (115 Volt, 60 Hz)	Complete arium® RO system, 150 l/h, including 5 µm Prefilter, 3 RO-Membranes, 100 l Tank, Pump
613L200 613L200B	(230 Volt, 50 Hz) (115 Volt, 60 Hz)	Complete arium® RO system, 200 l/h, including 5 µm Prefilter, 4 RO-Membranes, 100 l Tank, Pump
613L-AE002		Conductivity Meter
613L-AE003		UV lamp with housing
613L-CH001		5 µm Prefilter
613L-CH002		RO-Membrane

Sartorius AG  
Weender Landstrasse 94–108  
37075 Goettingen, Germany

Phone +49.551.308.0  
Fax +49.551.308.3289  
www.sartorius.com

USA +1.631.2544249  
UK +44.1372.737100  
France +33.1.69192100  
Italy +39.055.634041  
Spain +34.91.3586100  
Japan +81.3.33293366

Specifications subject to change without notice.  
Printed and copyrighted by Sartorius · W/sart-258 · G  
Publication No.: SLG2037-e06112  
Order No.: 85030-531-58