



arium® 613CPM2-----V

Reverse Osmosis Membrane Modules



Description

The Sartorius arium® 613CPM2-----V reverse osmosis membrane modules are designed for installation within the arium® 61316 RO system. The arium® RO modules consist of two self-contained membrane-housings engineered for easy installation and reliable service. Each module contains a low energy thin film composite RO membrane (TFC) enclosed in a polypropylene housing. Each housing contains feed, permeate and concentrate water connections with internal flow control for membrane rinsing.

Features and Benefits

The arium® RO modules are designed to produce up to 380 liters per day of RO permeate water. The low-energy TFC membranes require less energy (pressure) to produce a higher quantity of water/hour than comparable membranes of the same size. This reduces running cost by consuming less electric power.

The RO modules typically produce greater than 50% permeate recovery, which conserves water while still providing 99% or greater salt rejection.

Each time the RO system shuts down with a full tank, the RO membranes are back-flushed with permeate water. Back-flushing with RO permeate water removes particles and potential scale forming salts from the membrane surface, promoting longer service life and reducing system maintenance. This back-flushing operation allows the RO membranes to be stored in RO permeate water instead of feed or mains water between service operations, which extends the service life of the membrane. At startup, the RO system will produce higher quality permeate water as compared to conventional systems that store membranes in feed water.

Reverse osmosis permeate or product water is ideally suited for use as feed water to a Type 1 lab water system (e.g. arium® 611) or other device requiring pretreated water.

Specifications

RO membranes:	low-energy polyamide thin-film composite
Housing:	Polypropylene

Unit Dimensions

Height:	30.8 cm (12.13")
Diameter:	7.8 cm (3.07")

Operation Weight

468 g (1.03 lbs) each

Feed Pressure

Min:	1 bar 15 psi
Max:	6.8 bar 100 psi
Temperature:	5°C–30°C (41°F–86°F)

Silt Density Index:	< 3
Iron (Total as Fe):	< 0.1 ppm
Hardness (max CaCO ₃):	360 ppm or softened water

Output

380 liters per day* (16 liters per hour) at 25 °C ± 20%

Ordering Information

Order number:	613CPM2-----V
Quantity:	2 modules

* depends on feed water quality and temperature

Sartorius AG
Weender Landstrasse 94–108
37075 Goettingen, Germany
Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius.com/arium

USA +1.631.2544249
UK +44.1372.737100
France +33.1.69192100
Italy +39.055.505671
Spain +34.91.3588566
Japan +81.3.33295533

Specifications subject to change without notice.
Printed in Germany on paper that has been bleached without any use of chlorine.
W/sart-000 - G
Publication No.: SLG2040-e06111
Order No.: 85030-532-40