

3300 Series RO

Reverse Osmosis System 60 Hz

2,200 TO 3,300 GPD

The Biolab 3300 Series Reverse Osmosis Systems are designed to produce up to 2.29 USgpm (8.63 lpm) of pure water. The 3300 Series provides high quality product water, user-friendly controls, durable construction, and easy installation. All systems are built to exacting standards under ISO 9001:2008.

Operating Parameters

- Operating Pressure: 225 psig (1551 KPA)
- Maximum Recovery: 75%
- Nominal Rejection: 95-98%
- Operating Temperature: 35-95° F (2-35° C)
- Minimum Inlet Pressure: 30 psig (210 KPA)
- Design Temperature: 77° F (25° C)

Materials of Construction

- Frame: Epoxy Coated Steel
- Membrane Elements: TF Polyamide
- Membrane Housing: 304L Stainless Steel
- Low Pressure Pipe: Sch. 80 PVC/Polypropylene
- High Pressure Pipe: Polypropylene
- Control Enclosure: NEMA 4/12
- Pump: Brass

Typical Applications

- Commercial water
- Research and laboratory use
- Boiler feed water
- Humidification systems
- Process ingredient water
- Rinse water/ion exchange pre-treatment
- Car wash rinse water



Standard Features

- 1.0 - micron pre-filter
- Automatic inlet shut-off valve
- Rotary vane pump 1 phase
- Three variable flow meters
- Auto-flush feature
- Analog system control
- Adjustable reject recirculation
- Pre-filter, post filter, and pressure gauges
- Single source power
- Optional conductivity meter

3300 Series RO 60 Hz Specifications @ 25°C

Part Number	Stock Number	Permeate gpm (lpm)	Concentrate gpm (lpm)	Motor hp	Elements Number	Inlet in (mm)	Permeate in (mm)	Concentrate in (mm)	Weight lbs (kg)
100-26-162	26B15F-1RO	1.53 (5.79)	0.38 (1.44)	1	2	3/4 (1.91)	1/2 (3.81)	1/2 (1.27)	174 (79)
100-26-163	36B15F-1RO	2.29 (8.66)	0.57 (2.16)	1	3	3/4 (1.91)	1/2 (3.81)	1/2 (1.27)	185 (84)

Note: All weights and dimensions are approximate.

Feed Water Requirements*

Feed Water Source	Potable Tap
Maximum Silt Density Index	< 3
Maximum Total Chlorine	< 0.1 ppm
Operating Temperature Range	2-35° C
.....	(35-95° F)
Operating pH Range	2-11
Total Dissolved Solids	< 1,000 ppm
Softened or Langelier Index	< 0.5
Iron / Manganese	< 0.1 ppm

*If any of the feed water requirements are not within the limits given, consult one of our application specialists for assistance.

System Dimensions

42" high x 24" wide x 18" deep

Common Specifications

Standard Product Ordering Information

Biolab 3300 RO Stock Number Matrix

Number of RO Elements

2 3

Membrane Type

6 - TF Polyamide

Application Type

B - Commercial & Industrial

Housing Type

1 - 304 SS

Electrical Requirements

5 - 115/1/60

Pump Type

F - Brass

Controller Options

1 - Analog no conductivity

4 - Digital product conductivity

Unit Type

RO - Reverse Osmosis System

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Installation Considerations

For proper serviceability, there should be 18" of space around the system. This includes front, back, and sides.

The system should be installed on a firm, level surface and have a drain with suitable capability to handle concentrate.

Minimum dynamic operating pressure of 30 psig is required for proper system operation. The max pressure is 90 psig.



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