

# PBR 100L COMPONENTS



## PBR 100L

- Custom 100L vessel, lid & stand
- Algal spectrum LED lights (480W) with passive heatsinks
- Self cleaning rotary spray ball with clean-in-place spray pump
- Touchscreen control system with PLC & proprietary software
- Real-time optical density sensor

## Flow Control

- Media Filters (0.5, 0.2 & 0.1 $\mu$ m)
- Actuated water inlet valve
- Manual needle-valve & flowmeter
- Liquid level sensor
- Harvest pump (0.7L/min)
- All required tubing
- Inline UV sterilizer

## Temperature System

- Temperature sensor
- Heat exchanger
- Chiller (heats or cools)

## Air & pH System

- Air pump
- Micron air inlet & vent filters
- Air needle-valve & flowmeter
- pH probe & transmitter
- On demand CO<sub>2</sub> dosing valve
- CO<sub>2</sub> regulator

## Nutrient Control

- Three dosing pumps
- Magnetic stir plates
- 0.1 $\mu$ m filters

[www.industrialplankton.com](http://www.industrialplankton.com)

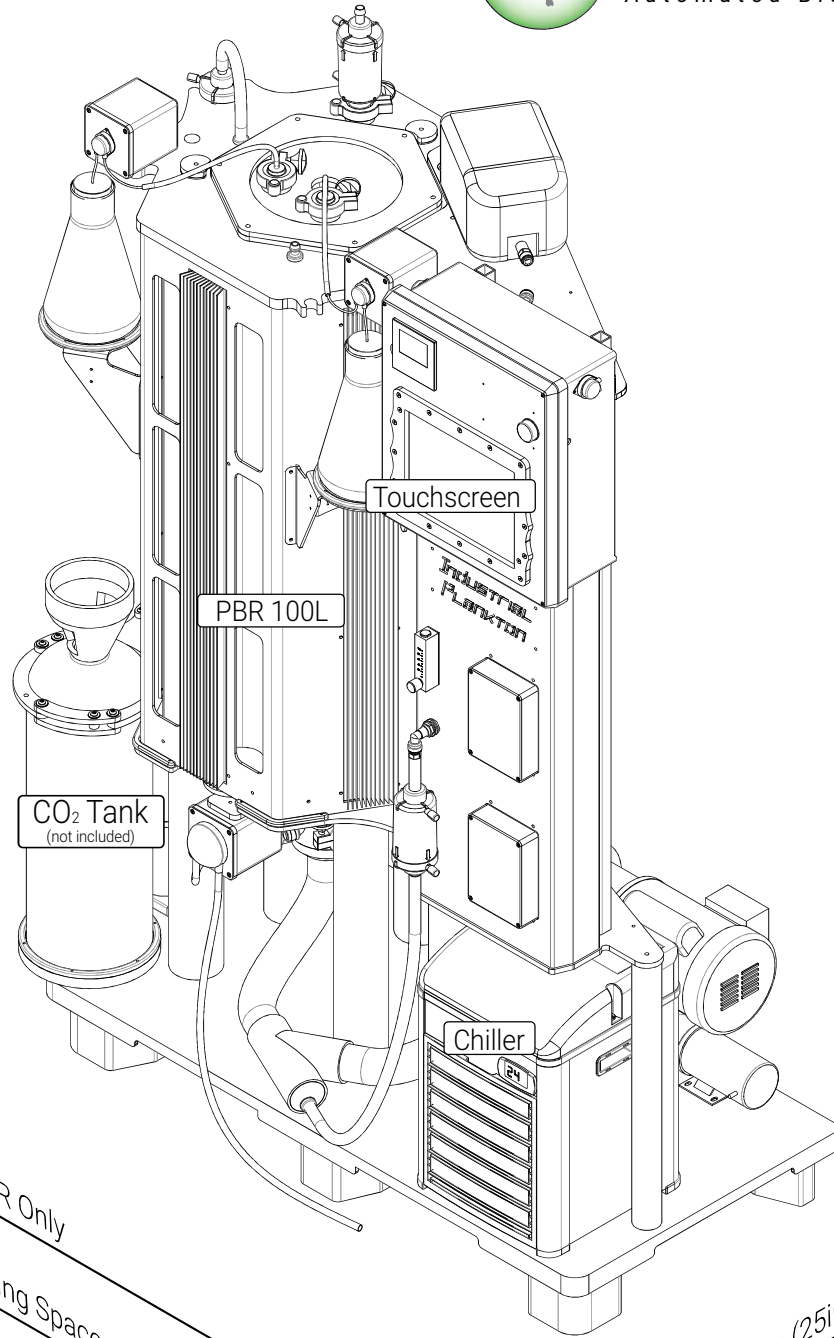
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2.13m (84in) PBR Working Space

1.93m (76in) PBR Only

1.34m (53in) PBR Only  
1.52m (60in) PBR Working Space

0.63m (25in) PBR Only  
1.02m (40in) PBR Working Space



## PBR 100L SPECIFICATIONS

Volume	100L / 27gal
Max Steady State Power Req.	1,125 W
Working Space (LxWxH)	1.5 m x 1.0 m x 2.1 m 60 in x 40 in x 84 in
Doorway Clearance (WxH)	1.50 m x 2.03 m 28 in x 72 in
Operational Weight	340 kg / 750 lb
Designed for aquaculture environments	

Specifications subject to change without notice