

# PBR 100L COMPONENTS

# Industrial<sup>TM</sup> PLANKTON

## PBR 100L

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

## Nutrient Control

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

## Temperature Control

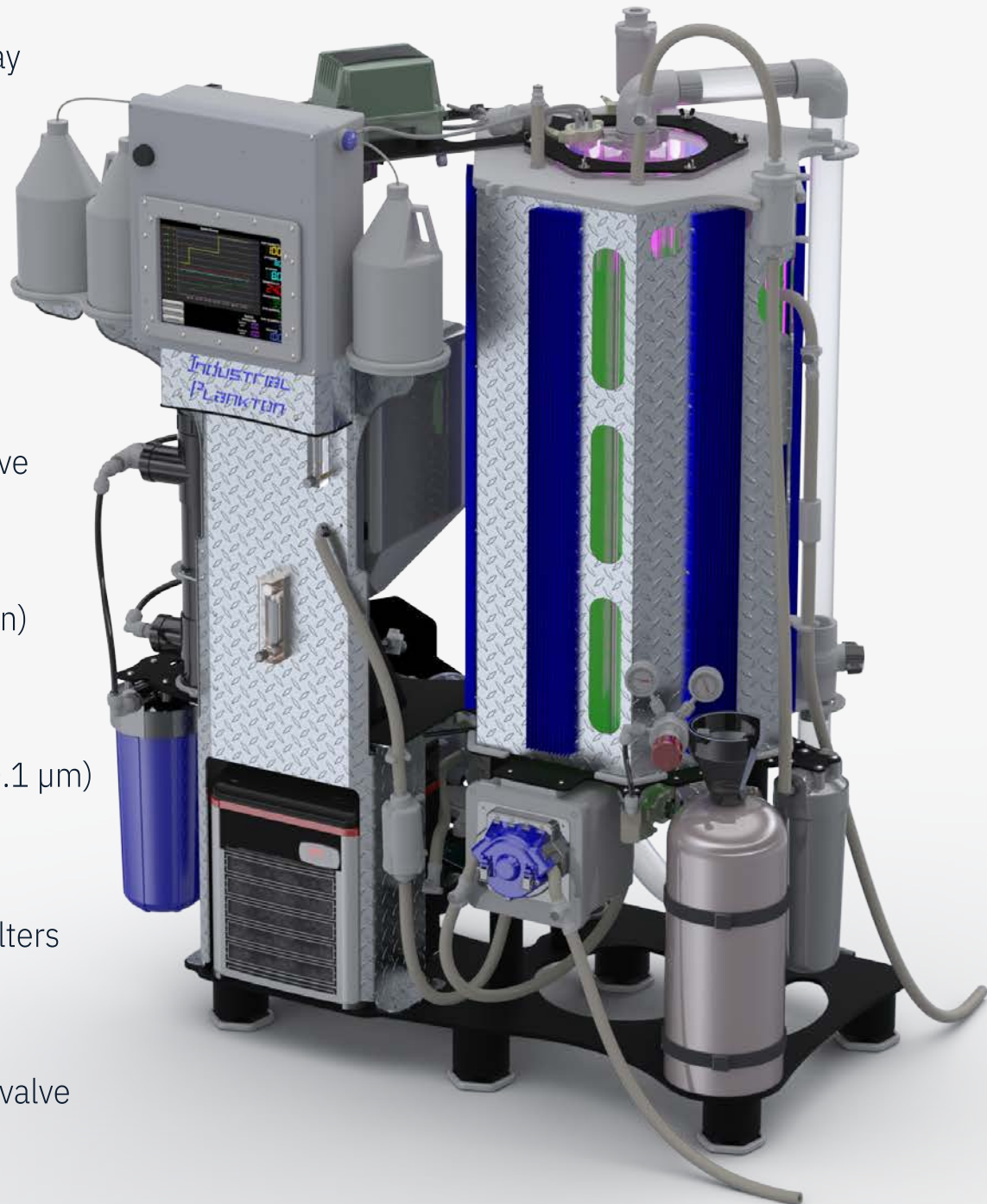
- Temperature sensor
- Heat exchanger
- Chiller (heats or cools)

## Flow Control

- Actuated water inlet valve
- Manual needle-valve & flowmeter
- Liquid level sensor
- Harvest pump (0.7 L/min)
- All required tubing
- Inline UV sterilizer
- 30 L header tank
- Media Filters (1, 0.2 & 0.1  $\mu\text{m}$ )

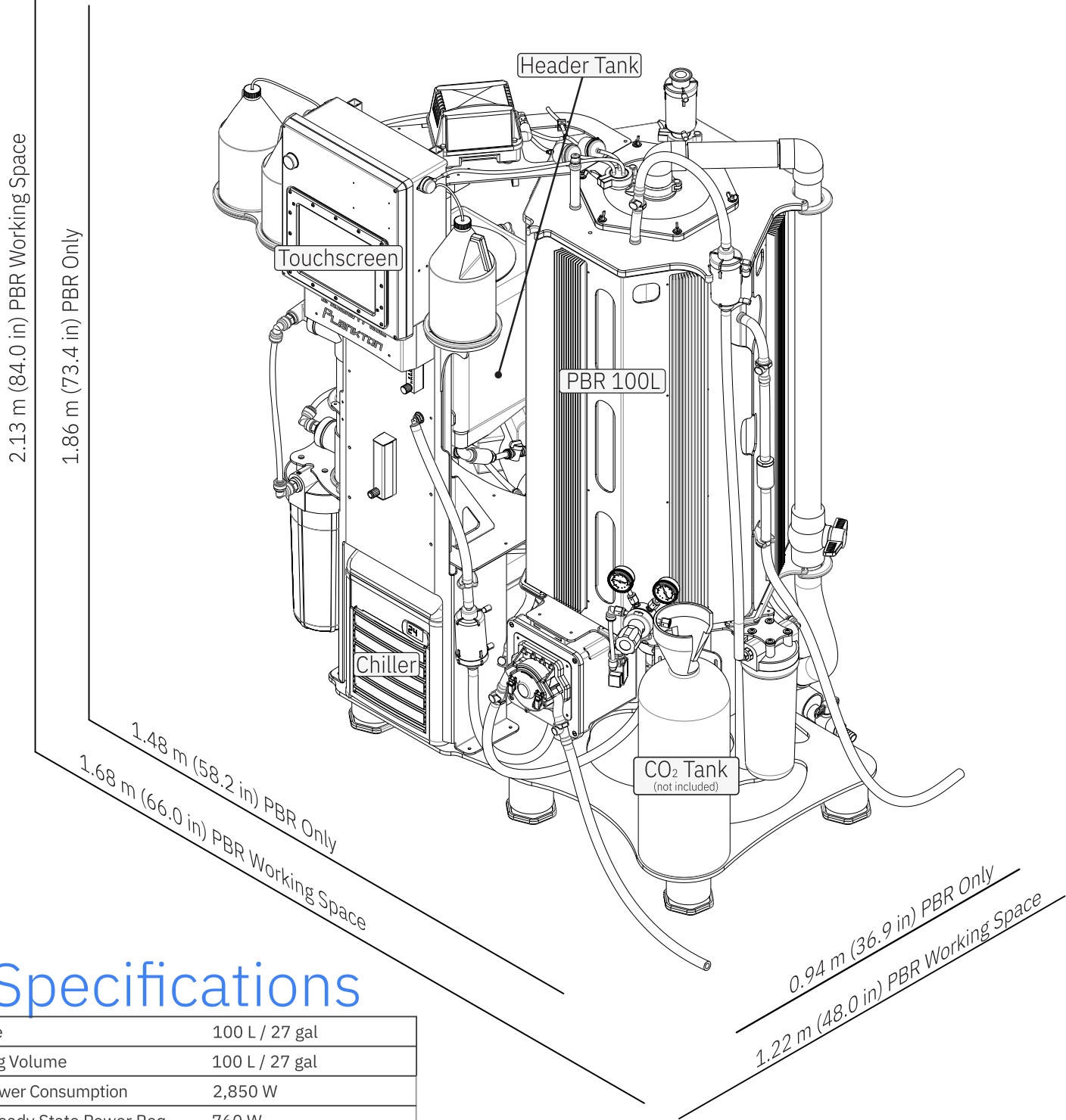
## Air & pH Control

- 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



# Dimensions

# INDUSTRIAL™ PLANKTON



# Specifications

Volume	100 L / 27 gal
Working Volume	100 L / 27 gal
Max Power Consumption	2,850 W
Avg. Steady State Power Req.	760 W
Working Space (LxWxH)	1.68 m x 1.22 m x 2.13 m 66 in x 48. in x 84 in
Doorway Clearance (WxH)	0.86 m x 1.83 m 33.7 in x 72.5 in
Operational Weight	340 kg / 750 lb
Designed for aquaculture environments	

Specifications subject to change without notice

**Contact us** 1-844-818-0304

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