

PBR 100L COMPONENTS

INDUSTRIALTM 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

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 μm)

Air & pH Control

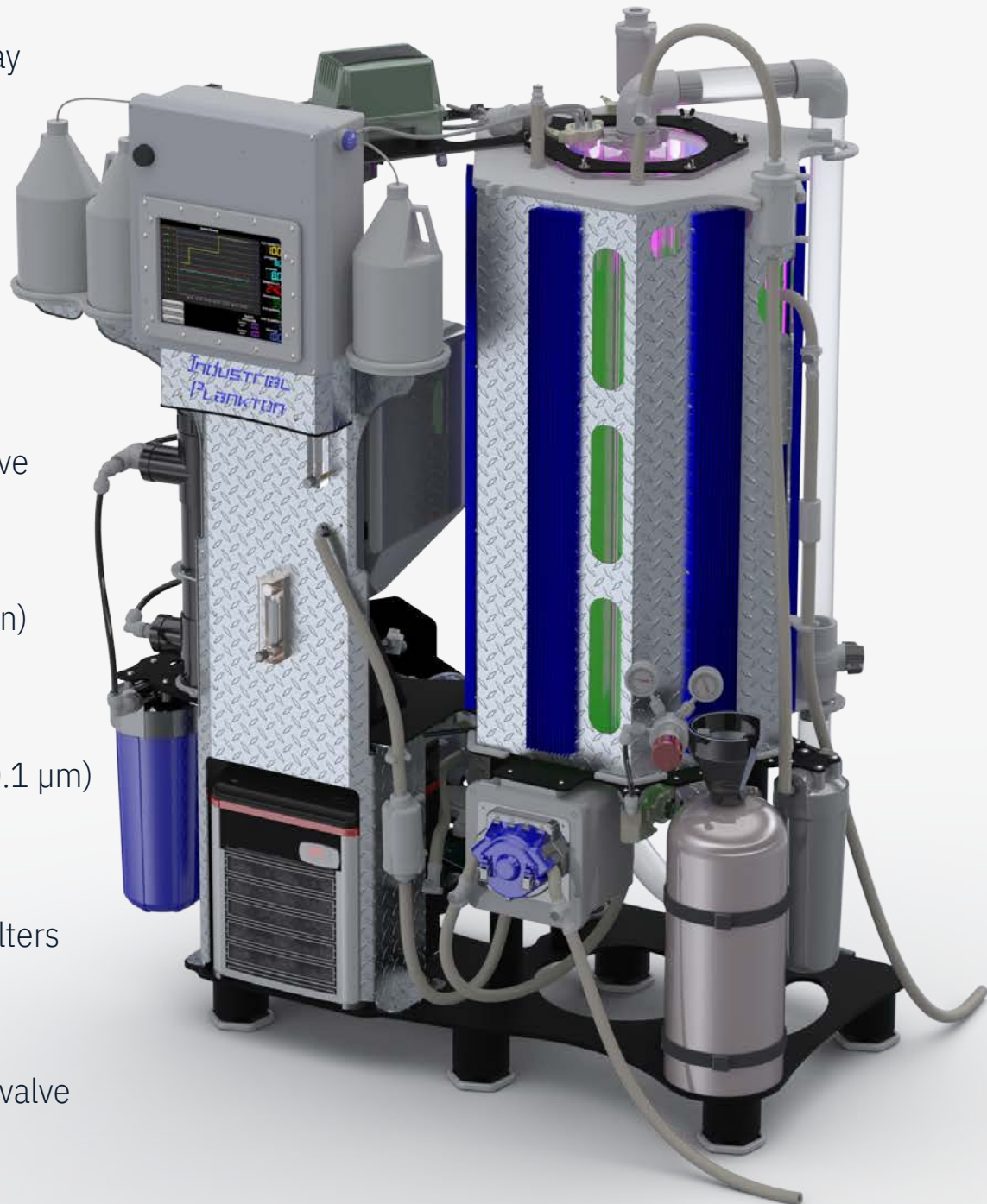
- Air pump
- Micron air inlet & vent filters
- Air needle-valve & flowmeter
- pH probe & transmitter
- On demand CO₂ dosing valve
- CO₂ regulator

Nutrient Control

- Three dosing pumps
- Magnetic stir plates
- 0.1 μm filters

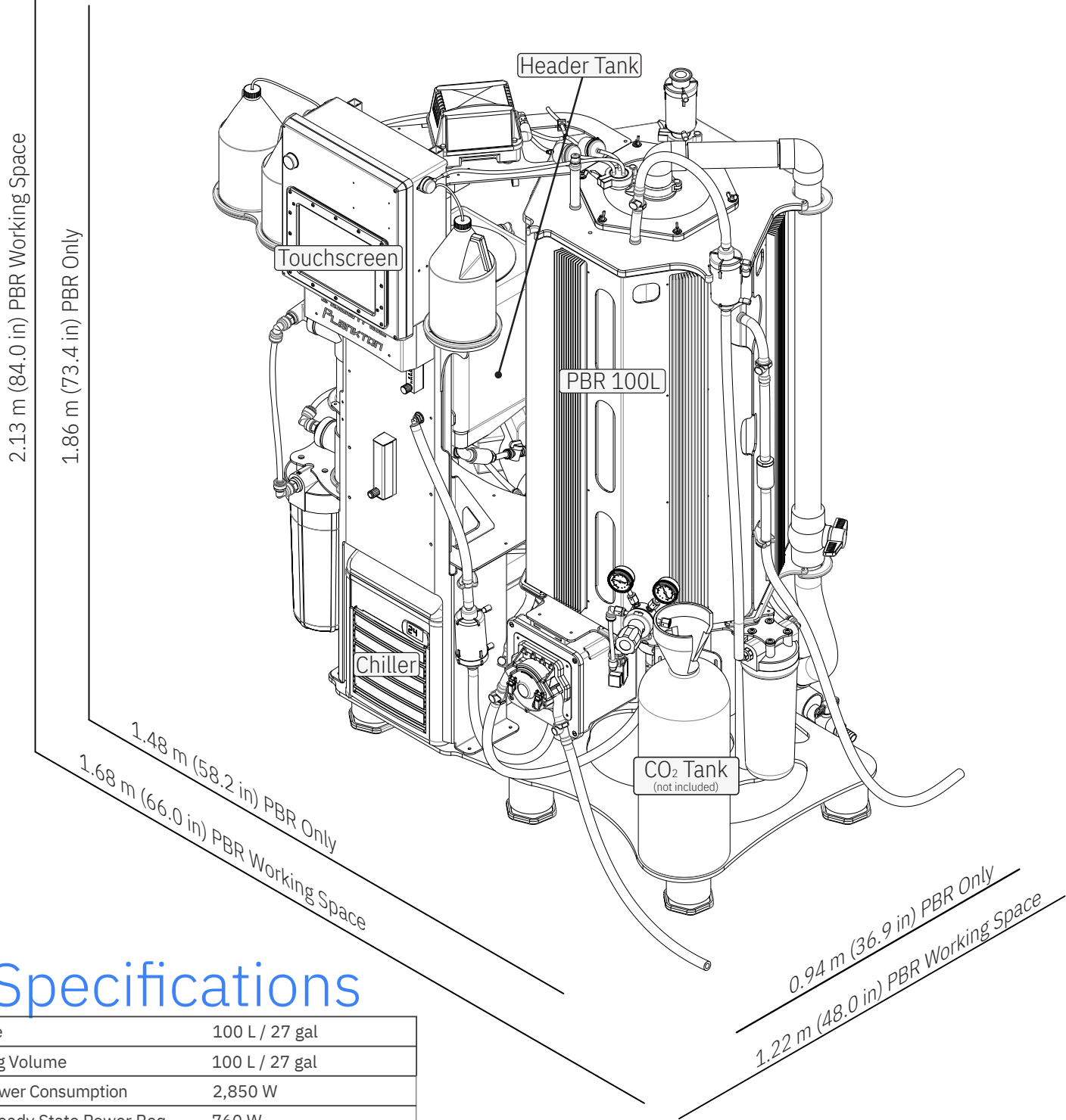
Temperature Control

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



Dimensions

INDUSTRIAL™ PLANKTON



Specifications

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| 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 |
| Built for production and laboratory environments | |

Specifications subject to change without notice

Contact us 1-844-818-0304
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 Check www.industrialplankton.com for updates

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