

# PLANT GROWTH

PRC 600 / PRC 1200 / PRC 1700 / PRC 3200

## Room For Growth

Hettich Lab Technology LED Plant Growth Chambers use an advanced LED lighting system to increase throughputs and decrease operations costs.

Highly efficient LED lights deliver 100% homogeneous light at just 5 cm below the bulbs with 99.9% light coverage throughout the chamber, virtually eliminating dark corners for consistent results.

LED lights also emit minimal heat, allowing for more usable space than tube-lighted plant growth chambers. The chambers are available with CO<sub>2</sub>, humidity, and temperature control.

### Areas of concentration:

- General Plant Research
- Arabidopsis Research
- Seed Germination
- Entomology
- Plant Pathology
- Plant Tissue Culture
- Drosophila Research
- In Vitro Plant Growth



Learn more at: [hettweb.com/plantgrowth](http://hettweb.com/plantgrowth)

## HETTICH PLANT GROWTH CHAMBERS

### THE CHAMBER

- White coated stainless steel interior for max. light reflection
- Easy to clean stainless steel shelves
- Horizontal airflow pattern for maximum uniformity
- Low airflow intensity prevents dehydration and stress
- Simple on-site serviceability
- Easy installation (chamber fits through doorway fully assembled)

### CLIMATE CONTROL

- Cooling, heating, humidification and CO<sub>2</sub> - optional
- Ultrasonic humidifier - optional
- Dehumidification system - optional

### CONTROL SYSTEM

- State of the art control system with touch screen
- Fully accessible web interface with LAN connection

### LED LIGHTING

- LED lighting is standard (TL tubes optional)
- Low heat output allows for maximum vertical plant growth
- 99.9% light coverage - no dark corners
- White LED light is 95% equivalent to full sunlight spectrum
- Adjustable LED-outfitted shelves for multiple configurations & maximum light distribution on every level
- Stable light intensity over the lifespan of the LED bulb
- LED light intensity does not diminish with temperature decrease (TL-tubes lose 8 μmol per °C decrease)
- Fully dimmable between 10 -100%

### ABOUT HETTICH

Hettich Lab Technology is an ISO 9001, ISO 13485, and ISO 14001-certified scientific instrument manufacturing company with over 110 years of engineering and manufacturing experience. Hettich offers a range of scientific instruments including centrifuges, incubators, plant growth chambers, and specialty-application devices for the clinical, industrial, and research sectors.



Plant Growth Chamber:	PRC 600 WL	PRC 1200 WL	PRC 1200 SL	PRC 1700 WL	PRC 3200 WL
<b>Temp Range (All lights on):</b>	10 – 45 °C	10 – 45 °C	10 – 45 °C	10 – 45 °C	10 – 45 °C
<b>Interior Volume:</b>	17.6 ft <sup>3</sup> (500 L)	34.1 ft <sup>3</sup> (968 L)	34.1 ft <sup>3</sup> (968 L)	51.7 ft <sup>3</sup> (1,466 L)	110.3 ft <sup>3</sup> (3,125 L)
<b>Total Growth Area, Number of Shelves*:</b>	9.6 ft <sup>2</sup> (0.9 m <sup>2</sup> ), 3 shelves	17.7 ft <sup>2</sup> (1.65 m <sup>2</sup> ), 3 shelves	96.8 ft <sup>2</sup> (9.0 m <sup>2</sup> ), 15 shelves	25.8 ft <sup>2</sup> (2.4 m <sup>2</sup> ), 3 shelves	51.6 ft <sup>2</sup> (4.8 m <sup>2</sup> ), 6 shelves
<b>Exterior Dimensions H x W x D:</b>	79.7 x 27.9 x 38.5 in (2025 x 710 x 980 mm)	80.7 x 31.6 x 50.9 in (2055 x 805 x 1295 mm)	80.7 x 35.8 x 50.9 in (2050 x 910 x 1295 mm)	79.9 x 81.4 x 33.4 (2030 x 2070 x 850 mm)	86.6 x 141.7 x 37 (2200 x 3600 x 940 mm)
<b>LED Color/Spectrum:</b>	White / Spectrum is 95% sunlight compatible				
<b>LED Light Intensity:</b>	200, 400, or 1100 μmol (PRC 600 WL, 1200 WL, 1700 WL, 3200 WL) and 100 - 125 μmol (PRC 1200 SL)				
*Various model and shelving configurations are available please inquire.					

For complete specification information and model variations please contact us.

Learn more at: [hettweb.com/plantgrowth](http://hettweb.com/plantgrowth)

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