

# Indoor Growing Applications

*Control Temperature and Humidity, Reduce Energy Costs and Maintenance*



Indoor growing requires constant and precise climate control. Heavy lighting loads and watering schedules require dehumidification, cooling, and heating in order to maintain an optimal growing climate.

Cooling is needed to negate air temperature increases driven by lighting. Plant transpiration increases relative humidity. High humidity levels support mold and mildew growth and inhibit plants' water consumption. Near constant dehumidification is required to maintain optimal humidity levels.

## Multiaqua Solar Powered Heat Recovery Chiller for Indoor Growing

The Multiaqua system provides state of the art cooling, dehumidification, and reheat for indoor growers. When paired with solar PV, our high efficiency heat recovery chiller system can reduce energy consumption by 50% to 100%. In non-solar applications, by 30% to 50%.

### KEY FEATURES & BENEFITS

- **Reliable, chilled water cooling (5 tons).**
- **Powerful dehumidification and reheat.**
- **Use heat created from your lights.** Patented simultaneous heating and cooling heat recovery technology captures heat from cooling loads and reuses it for reheating after dehumidification or other space heating needs.
- **Less maintenance and downtime.** A water and glycol based distribution system means simpler, more common components that are readily available resulting in quicker, less costly maintenance.
- **Use power directly from solar PV, the grid or both** with our onboard Pika Islanding Inverter™.
- **Store cheap or free energy.** Produce and store ice from solar or cheap off-peak electricity and use it when the sun isn't shining or grid power is most expensive.

