

## ORGANICA BLUEHOUSE

Organica's complete & sustainable solution for smaller-capacity applications



### A COMPLETE ORGANICA SOLUTION, PRE-DESIGNED AND ASSEMBLED FOR EASY INSTALLATION

The Organica Bluehouse is a packaged plant solution unlike anything available on the market today. Bluehouse is a custom-engineered and pre-fabricated facility that captures all the benefits of Organica-powered wastewater treatment and reuse in one easy-to-install package. This not only accelerates the design and construction process, but it also makes it easy for you to choose the design that best integrates with your environment. Like all Organica facilities, it is compact, odourless and energy efficient, all while providing a unique, botanical garden-like look and feel that maximizes flexibility in potential locations and minimizes negative impact on the surrounding land. As a result, The Organica Bluehouse is an ideal choice for sustainable wastewater treatment and reclamation, good for applications up to 800 m<sup>3</sup>/d (211,000 gal/d).

### ORGANICA FCR - THE EFFICIENT AND RELIABLE TREATMENT SOLUTION

The Organica Food Chain Reactor (FCR) is a complete wastewater treatment solution including solids removal, biological treatment/nutrient removal, phase separation, and final treatment for reuse quality (if required), all incorporated into a compact, single structure. The resulting solution offers significantly reduced physical footprint, zero "psychological" footprint, and reduced operational and infrastructure costs in comparison to conventional activated sludge-based wastewater treatment solutions.

### APPLICATIONS & ADVANTAGES

The Organica Bluehouse is a complete, sustainable Organica FCR-powered wastewater treatment and reuse solution, pre-assembled and containerised. Perfect for smaller-capacity applications, which can be used in small communities, real estate development projects, hotels, or resorts, as well as for industrial and light commercial purposes.

- True Organica solution: **odourless** operation and **attractive** appearance with **compact** physical footprint
- Pre-designed to allow **rapid manufacturing** and delivery
- Factory-assembled for **easy installation** with minimal site work
- Reliable and **simple to operate** with low staffing needs
- **Reuse quality effluent**, which may be used for irrigation, cooling towers, and for other non-potable purposes
- **Onsite treatment** eliminates need for sewage network connection
- **Preserves land value** by reducing "psychological" footprint

## COMPLETE TREATMENT PROCESS, PACKAGED IN EASY-TO-INSTALL CONTAINERS

Organica Bluehouse facilities employ the same process as larger Organica systems, but are pre-assembled into 40-foot ISO containers. Installation is easy with only a simple foundation, provision of some minor connections (both liquid and electrical), and a greenhouse enclosure or shading structure, depending on the local climate. The completely integrated solution contains the most advanced equipment and Organica FCR biological treatment as the heart of the system.

Technical Parameters	
Capacity	310-4000 PE
	62-800 m <sup>3</sup> /day
	16,000-211,000 gal/day
Footprint	fits on a site as small as 60 m <sup>2</sup> (650 ft <sup>2</sup> )

Typical Effluent Parameter Limits	N Model (mg/L)	B Model (mg/L)
COD	50	50
BOD	10	10
TN	15	-
NH <sub>4</sub> -N	5	-
TSS	10	10
TP	1	-

