

CÔNG TY CỔ PHẦN WESTERNTech VIỆT NAM

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ORGANICA VILLA



- Small-size wastewater treatment plants is a very important segment of the water market, with a large number of fast-moving opportunities per year.
- Organica Water has developed a new range of solutions specially designed for this market:

“The Organica Villa: Organica’s compact and efficient solution for small capacity plants”

- The Organica Villa is a complete FCR-powered biological wastewater treatment facility in a compact, attractive structure, **especially designed to be an efficient solution for small capacity projects.**
- The Organica Villa comes in **4 different pre-engineered sizes** to suit various flows, influent and effluent limits, covering from 200 m³/day up to 2.500 m³/day.
- While optimized for small capacities, the Organica Villa keeps true to the main **differentiating factors of the Organica Solution**, namely low footprint, favorable operational expenses, odourless operation with the look and feel of botanical gardens.

Organica Villa

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- Evaluate the project requirements and drivers: Is it suitable for a Villa Design? If yes, evaluate PF, select hydraulic size and...
- Run OCS / Process Department: Determine the biological reactor volumen.

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Hydraulic size	Calculated Total Reactor Volume round ups (m ³)										
1	100	250	400	550							
2			250	400							550
3						400	550	700	850	1000	1150
4						550	700	850	1000	1150	1300

→

- Each of the 4 pre-engineered sizes comprises a pre-defined set of main mechanical equipment:
 - 1 x Combined pretreatment unit (screen + grit removal) (Client's scope)
 - (1+1) x Aeration blowers (Client's scope)
 - **1 x Phase separation (drum/disc filter) – Organica Water Scope**
 - 1 x UV disinfection (Client's scope)
 - 1 x Combined sludge thickening and dewatering (Client's scope)
- Top recognized brands have been selected to develop the mechanical engineering of the Organica Villa, with readily available information for our Clients to source this equipment.
- Organica Water completes the scope with the Biomodules, Plant Racks, Aeration Diffusers, Control System and Instrumentation.