

# RESIDENTIAL KIT DM2

## Product Description

The DM2 Residential Kit is a compact, high-efficiency wastewater treatment system designed for single-family homes. It is delivered ready-to-install in a stainless steel or fiberglass modular tank, engineered for long life, low maintenance, and optimal treatment performance, even in limited spaces.



## Key Benefits

- Plug & Play installation – minimal civil works
- Low energy consumption & maintenance
- Odorless and silent operation
- Durable and resistant to corrosion
- Suitable for cold and tropical climates
- Designed for greywater reuse (optional)

Parameter	Specification
Capacity	500 GPD (Gallons Per Day)
Treatment Type	Biological + Tertiary Filtration
Technology	SBR (Sequential Batch Reactor) + FBR (Fixed Bed Reactor)
Material	Stainless Steel 304/316 (Optional Coating for Harsh)
Blower	Oil-free, Low Noise, Energy Efficient
Primary Filtration	Bag Filter – 50 Micron
Disinfection	UV Lamp + Optional Chlorine Dosing System
Effluent Quality	< 20 mg/L BOD, < 30 mg/L TSS, E. coli < 200 CFU
Power Supply	110-240V / 60Hz or 50Hz
Automation	Optional PLC Control with Remote Monitoring
Maintenance	Every 3–6 Months
Recycled Water Use	Landscape irrigation, toilet flushing (optional reuse system)
Compliance	Designed to meet local and state regulations in each