

GREHA Home 350

Integrated treatment and storage for homes and villas

COMPACT WATER REUSE

Reuse everyday water at home

HOME 350 collects selected greywater, treats it through aeration, ultrafiltration and UV, then stores it for approved non-potable uses.

COLLECT - TREAT - STORE - REUSE



NOMINAL DESIGN BASIS

**Up to 350
L/day***

INTEGRATED STORAGE

100 + 250 L
raw / treated water

MAXIMUM CONNECTED LOAD

0.40 kW
including external booster

**Actual daily output depends on available greywater, membrane operating duty and reuse demand. Conceptual product visual shown.*

Water reuse in six controlled stages

The system turns segregated household greywater into a managed non-potable resource through a compact treatment sequence.

01 Collection Showers, baths and approved washbasins feed a separate greywater line.	02 Coarse filtration Hair, fibres and larger solids are intercepted before treatment.	03 Equalisation and aeration The 100 L upper tank balances inflow.
04 UF membrane Ultrafiltration separates suspended solids and microorganisms from the water stream.	05 UV disinfection The filtered water passes through a final UV disinfection stage.	06 Storage and supply A 250 L tank stores treated water, the external booster supplies the reuse network.

APPROVED GREYWATER SOURCES	TYPICAL REUSE APPLICATIONS
• Showers and shower enclosures • Bathtubs • Bathroom washbasins • Air-conditioning condensate • Selected washing-machine discharge, subject to detergent review	• WC flushing • Garden and landscape irrigation • Outdoor, yard and floor cleaning • Other approved non-potable utility uses

Potential annual reuse At 350 L/day, the design basis corresponds to up to 128 m³/year of water kept in productive use, where sufficient source water and demand are available.

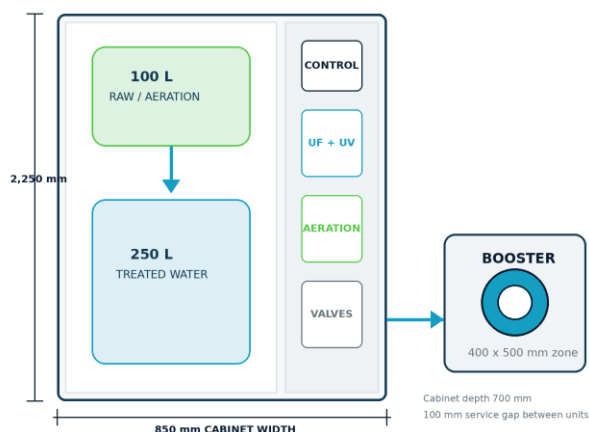
Excluded sources Toilet and urinal wastewater, kitchen grease, oils, solvents, hazardous chemicals and concentrated cleaners are not accepted.

Compact vertical system design

The tanks are stacked within a powder-coated metal enclosure. Treatment components remain accessible from the front, while the variable-speed booster is installed beside the cabinet.

HOME 350 - ILLUSTRATIVE EQUIPMENT LAYOUT

Vertical storage arrangement with service components and external booster



Automatic level control

- Four level inputs coordinate collection, treatment and treated-water storage.
- Dry-run, high-level and abnormal equipment conditions stop the relevant load and generate an alarm.
- The UF, UV, transfer pump and booster operate through an interlocked sequence.
- Normal daily operation requires no manual intervention.

Standard equipment

- 100 L raw/equalisation tank
- 250 L treated-water tank
- Coarse filter, aeration and UF
- UV disinfection
- Compact control panel
- External DAB EsyBox Pop booster

PARAMETER	CURRENT DESIGN BASIS
Nominal daily design basis	Up to 350 L/day*
Integrated storage	350 L total: 100 L raw + 250 L treated
Treatment process	Coarse filtration, aeration, UF membrane and UV
Electrical supply	230 V AC, single-phase, 50 Hz
Maximum connected load	0.40 kW including external booster
Cabinet dimensions	850 x 700 x 2,250 mm (W x D x H)
Booster zone	400 x 500 mm beside cabinet, plus service access

*Final output and component arrangement are confirmed in the approved quotation and production submittal.



Installation and project requirements

HOME 350 is intended for a dry, ventilated utility area, plant room, basement or garage with safe access for commissioning and service.

Reserved installation space • 1.55 x 1.70 m floor envelope • 2.50 m minimum clear height • 900 mm unobstructed front access • Stable base designed for the operating load	Hydraulic and electrical provisions • Separate greywater collection line • Clearly identified non-potable distribution network • Overflow, service drain and nearby floor drainage • Protected 230 V supply and local isolator
Water safety • Treated water is non-potable • No direct connection to the drinking-water network • Optional mains backup only through a break tank and visible air gap • Final permitted uses follow the approved design and local requirements	Commissioning and service • Installation supervision and commissioning by GREHA • Accessible pre-filter, membrane, UV and pumps • Annual preventive service recommended • Final connection schedule issued with the approved submittal

Water-quality design basis EN 16941-2:2021 is used as a design and monitoring reference. Project-specific acceptance limits, sampling and permitted uses are defined in the final documentation.

Request a Water Reuse Assessment

Share the property type, expected users, available greywater sources and installation space.

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Technical configuration is subject to project review, final component selection and the accepted quotation. This brochure is not a construction drawing or product certification.