

IRRIGATION LivingSYSTEMS

TECHNICAL
DATASHEET

MAY 2026 | VERS. 01

IRRIGATION SPECIFICATIONS

- Programmable, demand-led irrigation
- Compact control cabinet for irrigation, fertilisation and sensor technology
- Remote monitoring for consumption control and fault detection
- Including project-specific winter automation
- Optimised water distribution with minimal water consumption

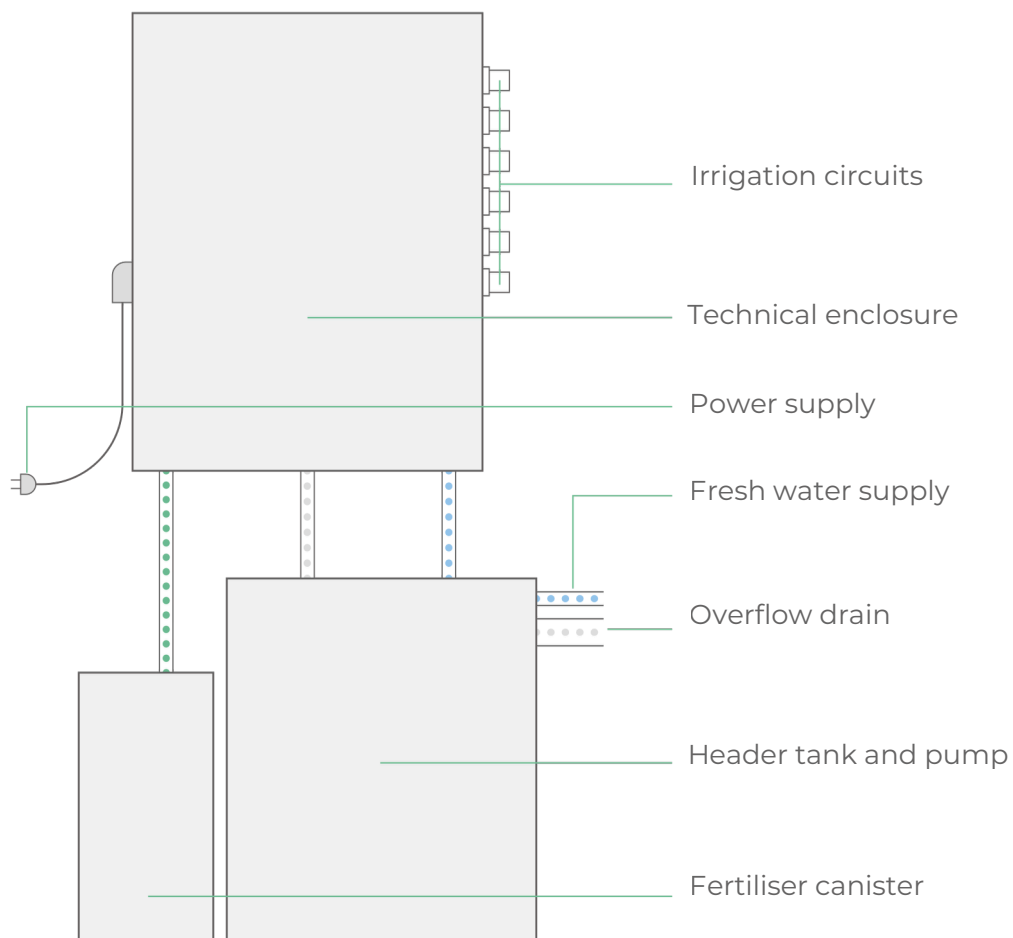


IRRIGATION TECHNOLOGY FOR LivingWALL PLUS AND LivingPANELS

Irrigation technology is the cornerstone of every ventilated rainscreen façade greening system. It ensures that water and nutrients reach the right place, in the right quality, quantity and at the right time throughout the year.

A precise and reliable supply is essential for LivingWALL PLUS and LivingPANELS. Only in this way can vitality, uniform growth and longterm functional reliability be guaranteed.

IRRIGATION CABINET SCHEMATIC DIAGRAM



HANDOVER POINTS

- Fresh water connection with $\frac{3}{4}$ " male thread
- Waste water connection with odour trap, HT50
- Electrical connection 230 V / 16 A, separately fused
- Internet connection via LTE, LAN or Wi-Fi
- Façade-side handover point as DN16 line with $\frac{3}{4}$ " male thread

STRUCTURAL REQUIREMENTS

- Frost-free plant room required
- Recommendation: positioning of the irrigation cabinet in the basement
- Wall mounting area: min. 2.00 m x 1.50 m
- Working space in front of the cabinet: approx. 2.00 m x 1.00 m
- Client-supplied supply lines between plant room and façade required

REMOTE MONITORING

Our irrigation systems use Hunter controllers with Hydrowise or Centralus software.

The solution enables straightforward monitoring and adjustment of irrigation schedules via app or web application. Consumption data, flow rates and electrical systems can be managed centrally.


KEY BENEFITS AT A GLANCE

- Monitoring and control via app or web application
- Flexible adjustment of irrigation schedules
- Transparent monitoring of consumption and system data
- Support for fault detection and operational optimisation
- Greater operational reliability and more efficient use of resources

CARE AND MAINTENANCE

For a permanently functional façade greening system, a minimum of two maintenance visits per year should be scheduled; ideally in spring and autumn.

In addition, the irrigation system should be serviced twice a year to ensure reliable operation of the controls, water supply and fertilisation.

See also the data sheet  "Maintenance Instructions Irrigation System".

DO YOU HAVE ANY QUESTIONS ABOUT THE SYSTEM?

Our technical support team
is happy to help.

CONTACT

Vertiko GmbH
Buchenhofener Straße 25
42329 Wuppertal

+49 202 947 939-00
anfrage@vertiko.de
vertiko.de

