

Product Data Sheet

Irrigation-Manager BM 4

Order No. 4045



Programmable controller

Technical Data

Irrigation-Manager BM 4

Pre-assembled head unit in lockable stainless steel box for outdoor use for automated irrigation of green roofs.

Contains: connection for water supply line 32 mm, filter, pressure regulator, connection for garden hose, irrigation time controller (operated via batteries, therefore no power supply required), 4 magnetic valves 1" including connectors for 32 mm tube and rain sensor.

In combination with the System build-up "Roof Garden" with Aquatec® AT 45 (consisting of Aquatec® AT 45 elements, Wicking Mat DV 40 and Dripperlines 100-L1, installed with a distance of 500 mm) up to 250 m² of roof area can be irrigated per magnetic valve. Thus a total area of up to 1000 m² can be irrigated consecutively with one Irrigation-Manager BM 4 (a water supply of 5 m³/h needs to be given at roof height).

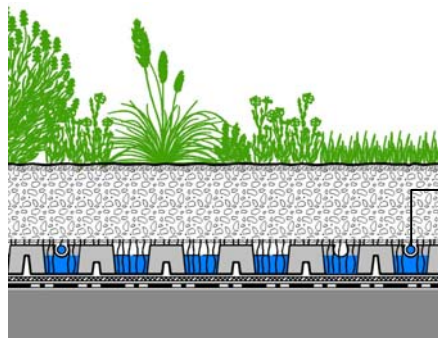
Length x Width:	ca. 580 mm x 390 mm
Height:	ca. 250 mm
Weight:	ca. 14 kg
Required water pressure (flow pressure):	min. 1.5 bar resp. 3 bar in order to achieve the maximum section size (see above)

Features

- pre-assembled head-unit in lockable stainless steel box for use on green roofs
- by means of a programmable controller unit up to four areas can be irrigated as required
- up to 250 m² of green roof can be irrigated per magnetic valve; the head unit is also usable for other types of irrigation (sprinkler, for example)
- the irrigation is interrupted by an integrated sensor during rain
- no electrical connection required due to power supply via batteries
- The on-site water connection needs to comply with the Standard EN 1717 in combination with DIN 1988-100 and to correspond to relevant regulations. The appropriate safety devices to protect drinking water are not part of the irrigation manager.

Application Example

Intensive Green Roof Type "Roof Garden" with Aquatec® AT 45



Plant layer: lawn, perennials and small shrubs (over substrate mounds)

System Substrate "Sedum Carpet", 100–150 mm with a Zincohum® top layer, 15 l/m²

Dripperline 100-L1, supplied by the Irrigation-Manager BM 4
Wicking Mat DV 40

Aquatec® AT 45

Filter Sheet PV

Roof construction with root resistant waterproofing

Specification Suggestion

Pre-assembled head unit for automated irrigation especially for green roofs; lockable stainless steel box for outdoor use, dimensions ca. 580 x 390 x 250 mm, including 32 mm connection for water supply, filter, pressure regulator, connector for dripperline, 4 magnetic valves 1" with

connections for 32 mm tube and rain sensor, delivery and installation according to manufacturer's instructions.

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