

Rainwater harvesting system - Office building Nijmegen, NL



An office building with a roof surface of approx. 1.500m² is equipped with a rainwater harvesting system to flush hundreds of toilets. IRM-8 Watermanager with a Varitank Flexoline 1.650 - 20.000 liters and a pressure tank of 100 liter.

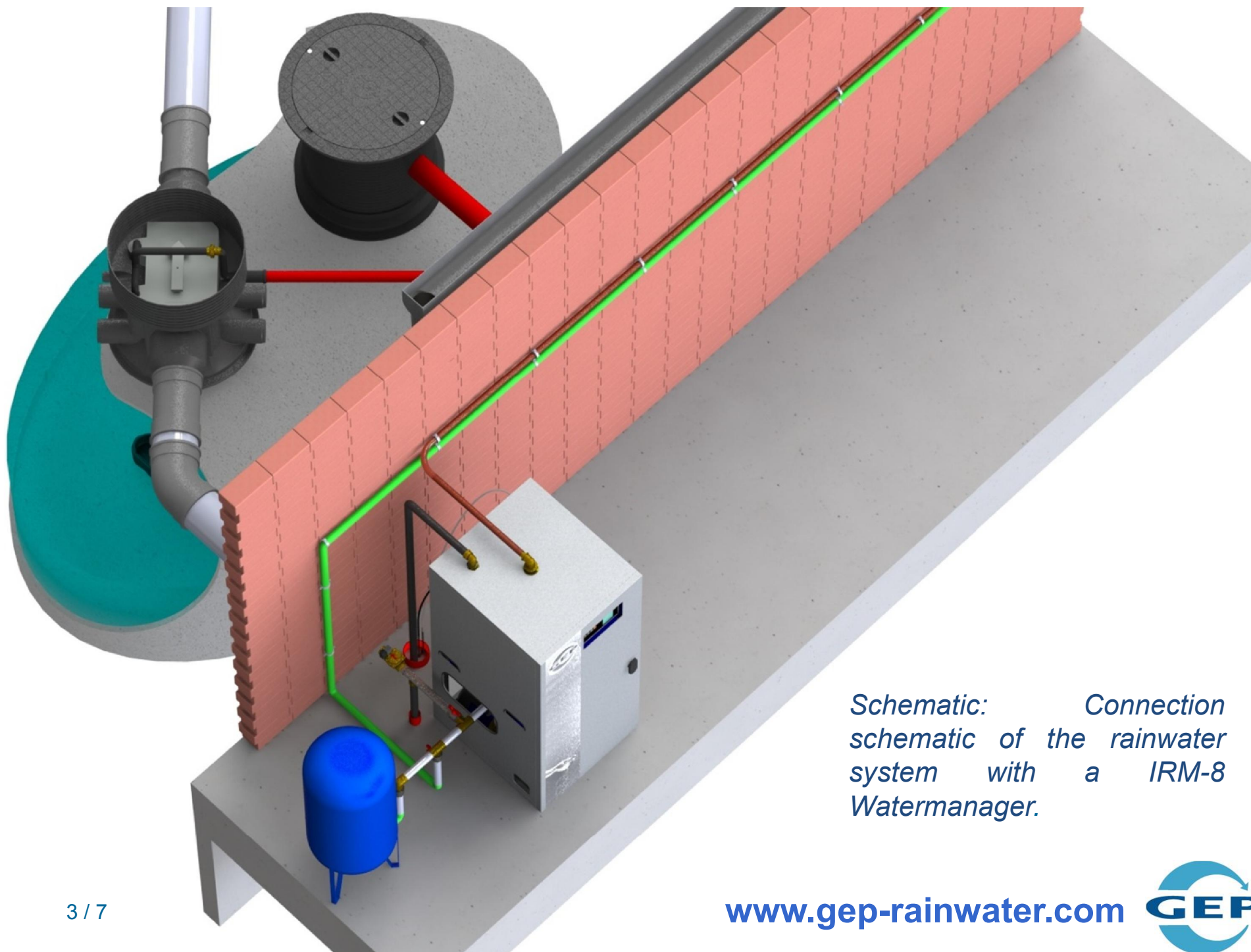


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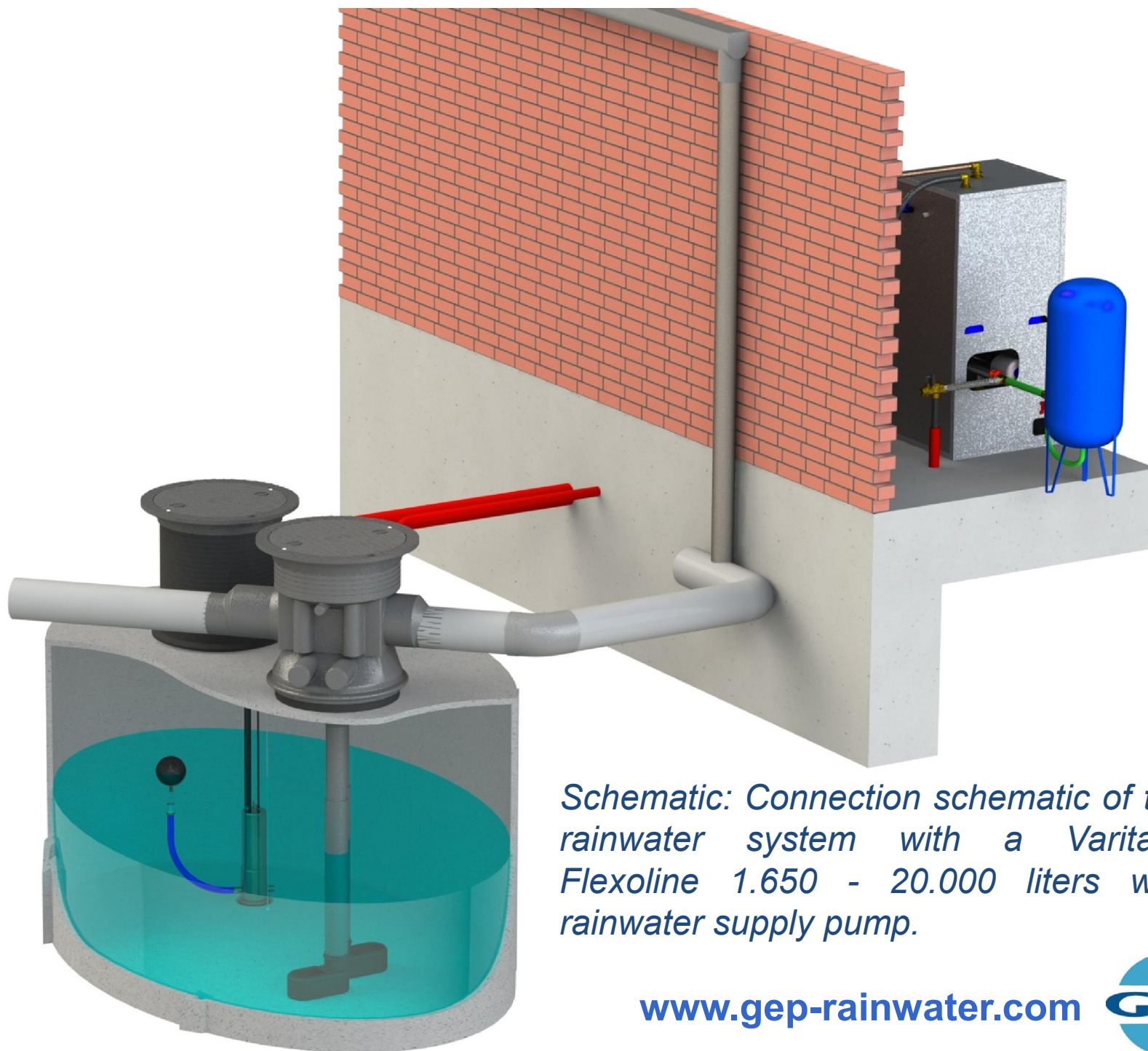


Photo detail: LCD display of the IRM-8 Watermanager.

The IRM-8 Watermanager is equipped with a automatic control system with LCD-display which controls the system as well as the automatic cleaning of the rainwater filter.

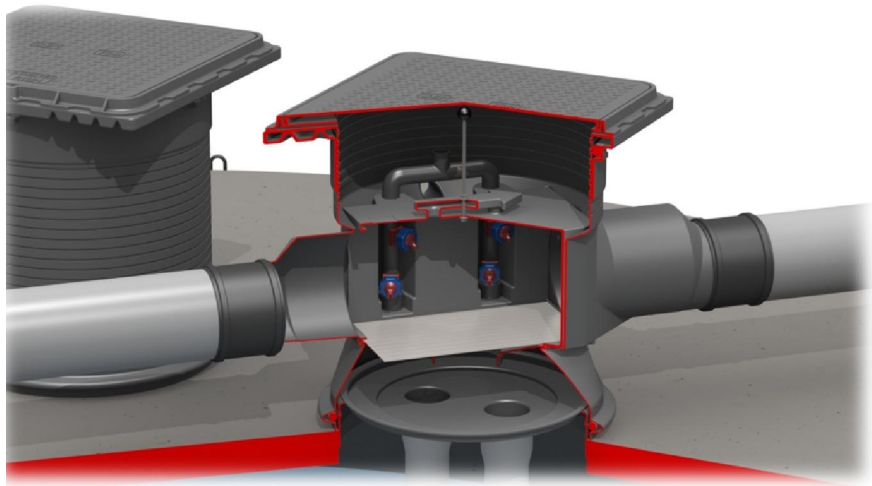
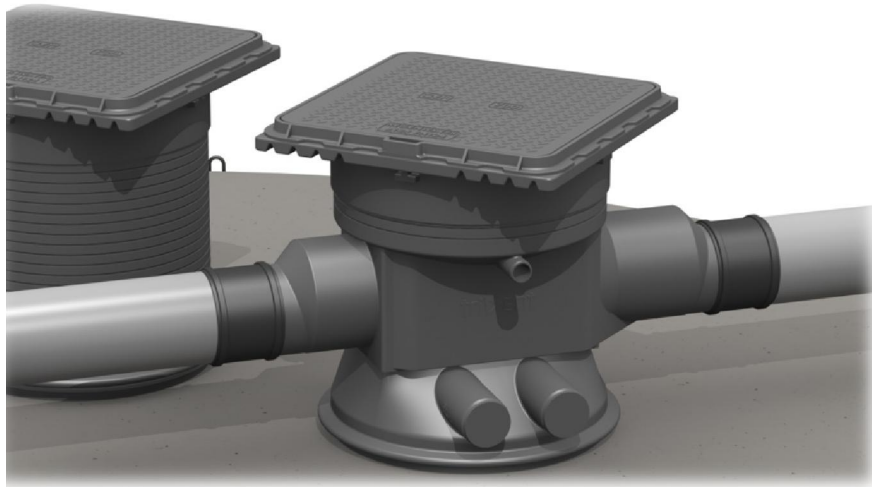


*Schematic: Connection
schematic of the rainwater
system with a IRM-8
Watermanager.*



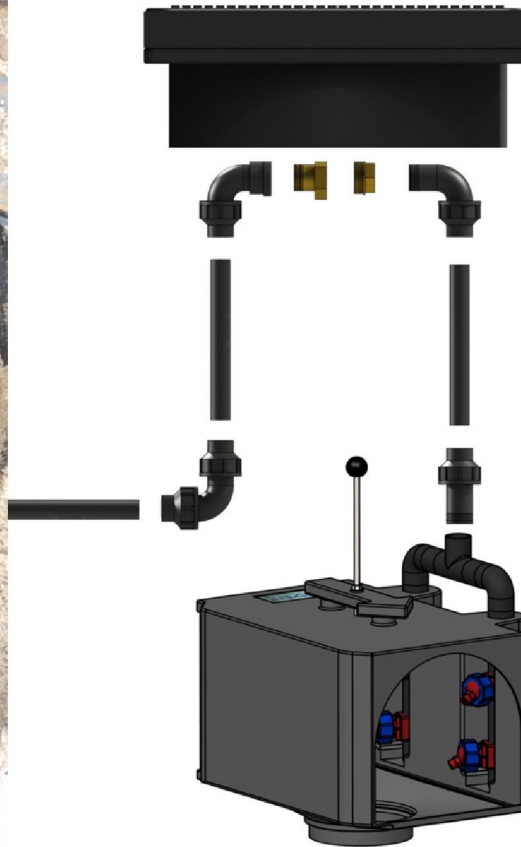
Schematic: Connection schematic of the rainwater system with a Varitank Flexoline 1.650 - 20.000 liters with rainwater supply pump.

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The Varitank Flexoline rainwater tank is made of concrete and has a total volume of 20.000 liters. The bottom part is completely made out of a single piece. Tank is equipped with 4 lifting rings and 2 prefab installed man-holes. The filtershaft has a filter capacity of 1.650 m² of roof surface. The filter grid is made with the special Trident technology.

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The filtershaft is equipped with a vertical removable filterbox. This filterbox is equipped with automatic filter-cleaning which cleans the filtergrid periodically. Child-safe covers are placed on the manholes.

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Nice piece of quality installation. Water gauges are placed to monitor the water flows, magnetic valve is placed for the automatic filter cleaning.