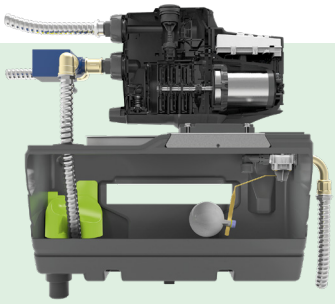
SCALA1 system

Saving water one raindrop at a time

By collecting and reusing rainwater, we can reduce water scarcity and take an active role in preserving the world's most valuable resource. Rainwater harvesting is a highly efficient way of saving both water and money.

Approximately over one-third of drinkable water is wasted in domestic homes by simply being flushed away. It's essential that we begin to manage the demand for water and use solutions to conserve this finite resource.

Grundfos' SCALA1 System collects rainwater from where it falls, rather than allowing it to drain away, and reuses it before reaching the aquifer. The rainwater can be reused as a free resource for flushing toilets, laundry, gardening and car wash for instance.



The Grundfos SCALA1 System is a fully integrated, self-priming, compact rainwater management system. It is especially designed to give priority to the use of rainwater over tap water. The system's installation is in accordance with the EN1717 standard which guarantees separation between city mains and rainwater.

Key benefits – all-in-one rainwater system

Easy installation

- Flexible discharge connection +/- 5%
- Large priming plug
- Self-priming up to 8m
- Flexible hoses to connect rainwater and city water
- Wall hung system

User-friendly monitoring and control

- Setting, control, monitoring, and alarm logs via Grundfos GO
- Manual and automatic start/stop
- Controller interface which displays operating status
- Digital external input

Operational safety and comfort

- Supports both automatic and manual changeover between the rainwater tank and the integrated mains water tank
- Scheduling and calendar function make it possible to control and plan pump operation
- Noise level below 55dB(A)
- Safety: leakage detection
- Bluetooth connection to connect the GRUNDFOS Go app to adjust settings, failure log and excellent reporting for documentation purpose

GRUNDFOS

Possibility in every drop

	SCALA1 System 3-35	SCALA1 System 3-45
Product number	99976869	99976872
Max ambient temperature	55 °C	
Max liquid temperature	45 °C	
Max system pressure	8 bar	
Max inlet pressure	4 bar	3 bar
Max head	36 m	44 m
Nominal head	20 m	25 m
Nominal flow	3,6 m^3/h	
Pumped liquid	rainwater (& potable water)	
Noise level	< 55 dB(A)	
Suction capability	max 8 m	
Tank size	15 liter	
Water mains connection	R 3/4"	
Pipe connection at dis-charge	R 1"	
Pipe connection at suction	R 1"	
Net Weight	21 kg	22 kg

Features
Automatic or manual switch over to water mains
Refill float valve
Level switch to detect empty cistern
Drain with syphon (odour free)
EN1717 cat 5, AB overflow
+/- 5° adjustable discharge connection
Flexible hoses for discharge connection
Flexible hose for city mains water connection
Thermal motor protection
Leakage detection of the connected pipe system
Dryrunning protection
Calendar function for irrigation
Maximum runtime protection
Bluetooth connection with Grundfos GO App for advanced settings, reporting & Failure log

Accessories

Floating strainer with NRV 91402564

Suction kit comprising of a flexible suction hose L = 2m 1 mm suction strainer with check valve. The floating suction strainer draws the water from just below the water surface where the water is clean and free from solid particles.

Inlet filter 99725183

To protect the pump from sand, gravel or other debris > 250 micron.

Find out more on grundfos.com

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