



Rainwater harvesting
The complete system

*Ideal for the
single-family home!*

SIGMA Rainwater Unit

- 3- or 4-stage self-priming centrifugal pump
- Operates fully automatically to supply household appliances with rainwater on demand
- Automatic mains water top-up with integral 9-litre top-up tank
- Cover and wall-mounting bracket
- Optional pneumatic level indicator
- Optimum price/performance ratio
- Long service life guaranteed by the use of tried-and-tested durable components
- Energy efficient technology, standby usage less than 0.2 W



Fully automatic rainwater unit for supplying a single-family home with rainwater.

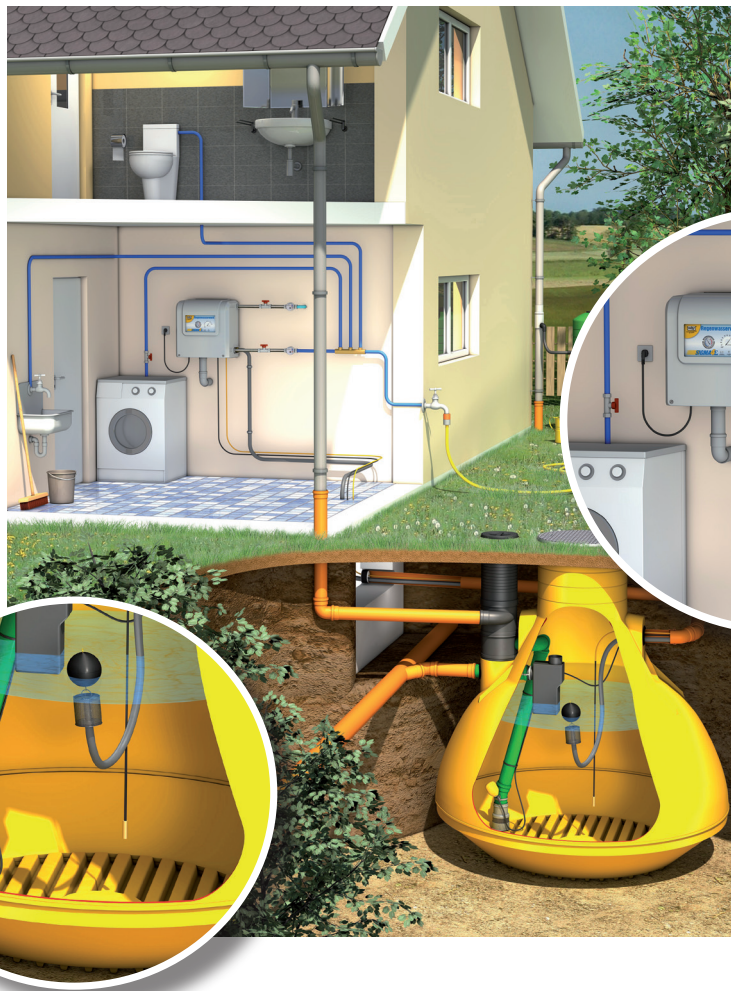
The unit draws rainwater from a storage tank and feeds it under pressure into the rainwater supply circuit. The unit controls the entire rainwater supply system, checks the fill level of the storage tank and automatically tops up the system with mains water when required.

Supplied ready to connect. Complies with DIN 1989 and DIN EN 1717

The full Sigma package includes the following:

- Self-priming, multi-stage centrifugal pump and automatic switch, available in two different versions (3 or 4 bar), with optional level indicator
- Pressure gauge (pressure indicator)
- DIN-compliant mains water top-up function, integral 9-litre top-up tank, safety emergency overflow
- Cover
- Float switch for automatic top-up with mains water
- Supplied ready to connect, complies with DIN 1989 and DIN EN 1717

Rainwater is sucked directly out of the storage tank. A floating fine suction filter (FFSF) ensures that the water is extracted from the cleanest area of the tank. The integrated non-return valve maintains the suction column.



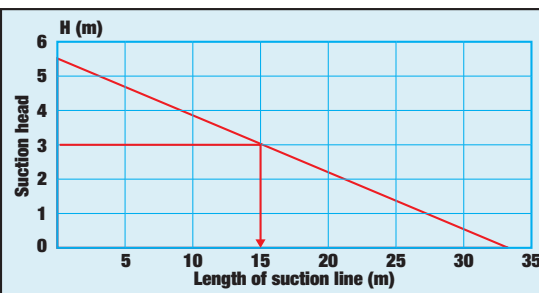
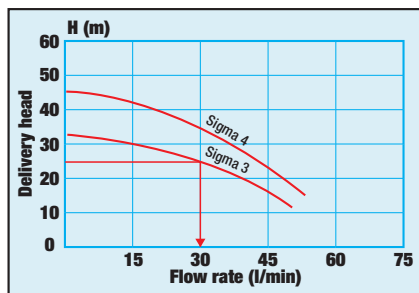
The utility room or basement is the ideal installation location for the Sigma rainwater unit. The simple, robust components require very little maintenance.

Dimensions:
W x H x D / mm
500 x 510 x 315

Mounting location:
Wall mounted above the backflow level

SIGMA performance chart

For the discharge end:
Range of application of the Sigma rainwater unit
The example chart on the right demonstrates that the Sigma 3 pump delivers 30 litres per minute with a delivery head of around 25 metres



For the suction end:
Range of application of the Sigma rainwater unit
The example chart on the left demonstrates that the maximum suction line length is 15 metres with a suction head of three metres

Operating principle

Electronic control system Suction pump

The Sigma rainwater unit is controlled by simple integrated electronic circuitry.

The self-priming pump of the Sigma rainwater unit sucks the water out of the storage tank. The chart above shows the maximum suction line length and the suction head.

Mains water top-up

If the storage tank is empty, the system automatically switches over to mains water operation. When household appliances require water, they are supplied with mains water until the storage tank is filled with rainwater again. The mains top-up tank is equipped with an additional emergency overflow. The mains water top-up system is implemented as an open outlet in accordance with DIN EN 1717.

Manual switchover

Manual switchover to mains water operation is possible at any time if necessary

Level indicator / pressure gauge

A pressure gauge indicates the current system pressure of the rainwater unit. The level indicator works according to a pneumatic measuring principle.



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