

Complete supply technique for your rainwater installation

Rainwater plant **OPTIMA**

- Automatic potable water feed in case of lack of rainwater
- Combines several single parts in one package
- Reliable, comfortable, cost saving
- Innovative hydromechanical principle
- Plug-in system, ready to use



In the house:

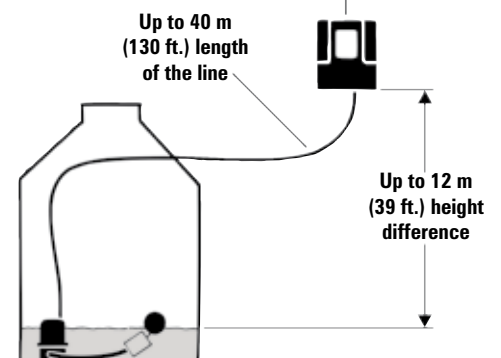
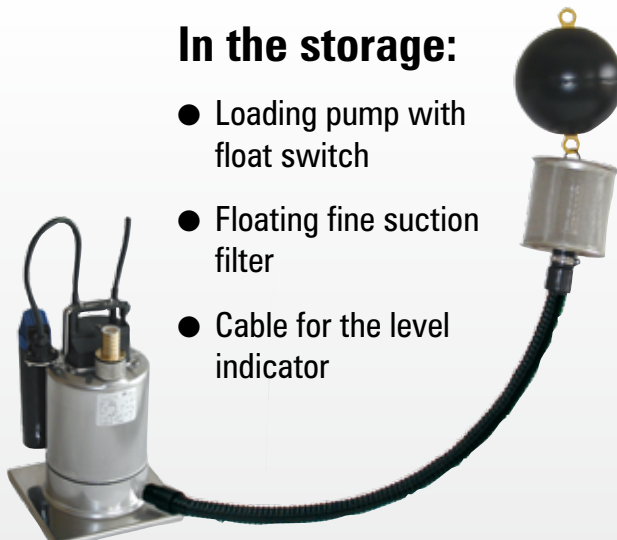
- Pump to generate pressure for the distribution net in the house
- With or without level indicator
- Potable water feed in case of need



Up to 35 m (114,83 ft.)
pressure head

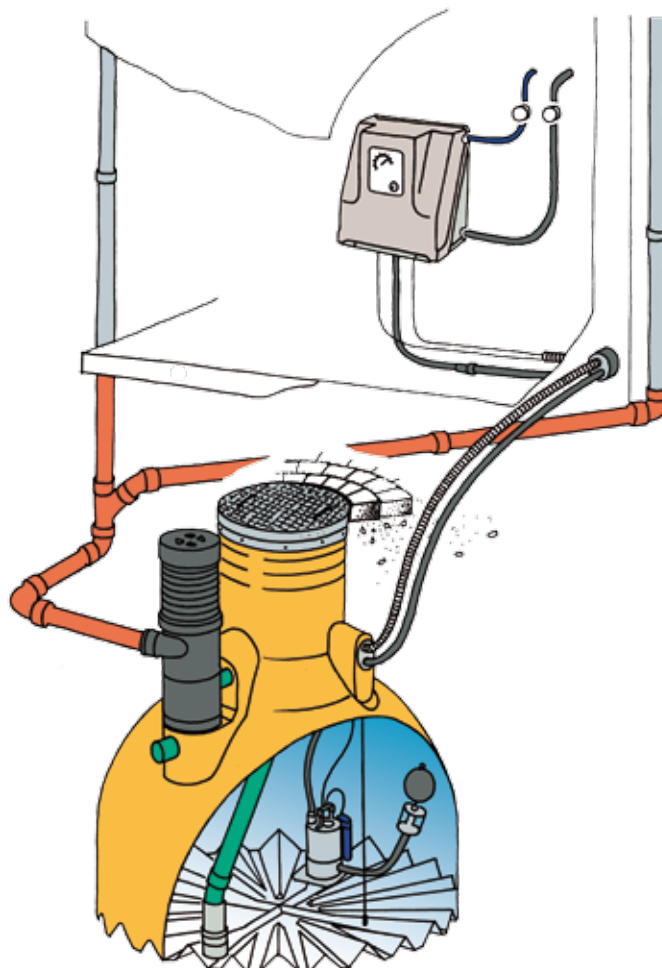
In the storage:

- Loading pump with float switch
- Floating fine suction filter
- Cable for the level indicator



The Optima complete equipment contains:

- normal suction, multi-stage pressure pump and automatic switch, optional in two different performances 4 or 5 bar (58.0 psi / 72.5 psi), with or without level indicator
- Manometer with pressure gauge
- Potable water feed according to DIN, integrated water tank 9 litres (US: 2.4 gall./UK: 2 gall.), security emergency overflow
- Housing
- Submersible loading pump for the storage tank with floating fine suction filter
- Plug-in system, according to DIN 1989 and DIN EN 1717



Optima models



Complete equipment with level indicator



Without level indicator

Dimensions::

W x L x H
465 (18 in.) x 500 (19 in.)
x 310 (12 in.)

Installation location:

Wall mounting unit above the backflow level

Function

Hydromechanical control

The hydromechanical control combines the "traditional" control by means of automatic switches with the use of mechanical flow effects. This achieves a great deal of functional safety. The Optima system works with two pressure pumps.

Loading pump

The loading pump of the Optima is installed as a submersible pump in the storage tank. The pump feeds the rainwater to the normal suction multi-stage pressure pump in the wall mounted unit of the Optima in the house. The primary pressure has the effect that this pump only has to provide pressure work and that the inlet pipe of the potable water feed is closed.

Two-pump-system

Because of the two-pump system, the Optima can also be used in unfavourable conditions, for example long suction paths or large difference in height between storage and wall mounted unit in the house. If required the Optima can be flexibly fitted with more powerful pumps. Rainwater units with only one suction pump, long suction paths and large differences in height always lead to problems in operating safety. Not with Optima: if a user valve is opened, both pumps start by means of automatic control, to produce the max. flow rate of about 70 l/min of the Optima.

Potable water feed

If the storage is empty, the system switches to potable water feed. Manual switching to potable water feed is easily possible at any time by unplugging the mains plug of the loading pump. The potable water tank is fitted with an additional emergency overflow. The potable water feed is fitted with an open outlet according to DIN EN 1717.

Level indicator/ Manometer

The level indicator works on the basis of a pneumatic measuring process. A Manometer indicates the actual pipe pressure of the rainwater plant.



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