



BUFFERING OF RAINWATER

MANUAL

CHARACTERISTICS:

In periods of abundant rainfall, floods might occur frequently. This is because more and more paved surfaces are being created (buildings, parking lots, driveways, etc). To solve this problem, there is the Buffer tank, that make the water go slowly into the sewer.

For private homes the peak rainfall is 10 l/m² in the first 15 minutes. After that the rainfall is 14 l/m² during the next hour.

The problem of flooding occurred during the first 15 minutes. It is this part of the precipitation that is buffered in the tank.

OPERATION:

The buffer tank is at rest half full. In case of rain, the tank will fill.

If the level in the tank rises, the floating switch will give contact. This will ensure that an air pump of 40 watt will enter into force, which will turn on an airlift, mounted in the tank.

The airlift pumps an average of about 9 litres per minute.

there is an overflow, in case If it rains too long.

MOUNTING:

With the tank there is a air pump and a hose delivered.

There is a floating switch mounted in the tank, where a distribution box with 2 free cables adhere to.

Place the pump in a dry, well-ventilated area such as garage, cellar, ...

Mount the flexible between the pump and the connector in the tank.

Connect the power supply of the pump with the torque plug from the distribution box in the tank. If that is too short, it needs to be extended according to the rules.

Connect the last cable with plug of the distribution box to the power supply 220 V. If that is too short, it needs to be extended according to the rules.

