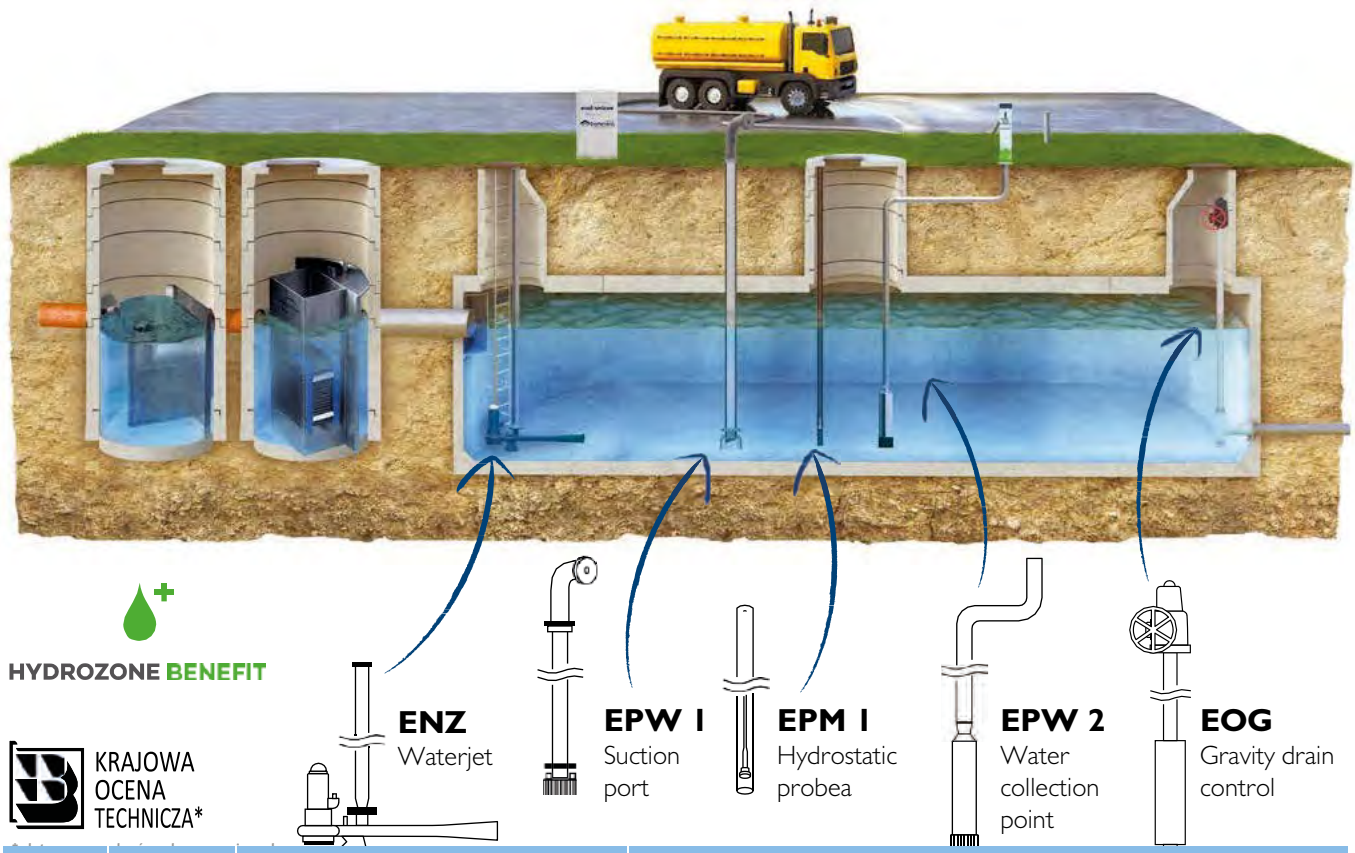
MUNICIPAL MODULE

Water use for municipal purposes



No.	Type	Type of intake	Material
1	EPW1	suction part DN100*	stainless steel 1.4301
2	EPW2	water collection point	stainless steel 1.4301

* other diameters available on request

Description:

Rainwater can be used for municipal purposes such as washing streets and car parks, flushing sewer collectors. There are two systems of water intake designed according to the needs:

- EPW1 – water intake via suction port
- EPW2 - water collection point

System EPW1:

The suction line, located in the tank, is made of stainless steel with a nominal diameter of 100 mm. The lower end of each suction line is fitted with a suction basket. The basket is fitted with a non-return valve and a non-return valve unlocking handle to allow water to be drained from the suction line when the intake is complete. The upper part of the suction line is led out over the terrain and ends in a horizontal section of pipe fitted with a coupling and a fireman's coupling cover.

This solution allows water to be taken up by sewer trucks.

System EPW2:

The water collection point is a convenient and accessible solution for residents. It allows water to be drawn from the concrete tank.

The water collection point is located on the ground surface, on a prepared substrate. Hydraulic fittings are concealed in the column, which contributes positively to the visual aspect.

The principle of the water collection point is very simple. To activate the point, press the button located on the housing of the point. This causes water flow through the faucet below.

The control of water loss from the tank can be implemented through the Bumerang Smart monitoring system. This system provides operators with the ability to remotely and continuously monitor the amount of water in the tank, as well as the ability to temporarily disable the ability to take water if necessary.

The water point is available during the spring and autumn period (April to May). For the winter period, water is drained from the point and taken out of service.

The water point is 1 m high. It is made of stainless steel 1.4301.

Due to the variability of rainwater parameters and the degree and type of pollution depending on the catchment area from which rainwater is collected, it is possible to use a rainwater treatment system. This is particularly important in the case of the EPW2 system, where the user is in close contact with the medium.

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The treated water is not potable water. This is indicated both in the manual of the unit and graphically directly on the water point.