

Rainwater to Drinkable water System Pilot plant

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Background of the development

- “We suffer from water shortage, although it rains.”
- “It costs a lot to connect with the distant main pipe.”
- Ground water may be contaminated.”
- There is a concern about a serious water shortage even in Japan which enjoys high precipitation.

Purified water is:

- Safe:

The water purified is not harmful to the human body, because no chemicals, additives, or agents are used.

- Stable:

The rainwater which passed through the filter does not decompose easily even if it is exposed to direct sunlight.

- Innocuous:

Since the sterilizer uses ozone, carcinogens such as trihalomethane do not remain.

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Characteristics of system:

- Compact , Light and Simple.

It does not require large space, and complicated maintenance.

- Easy expansion.

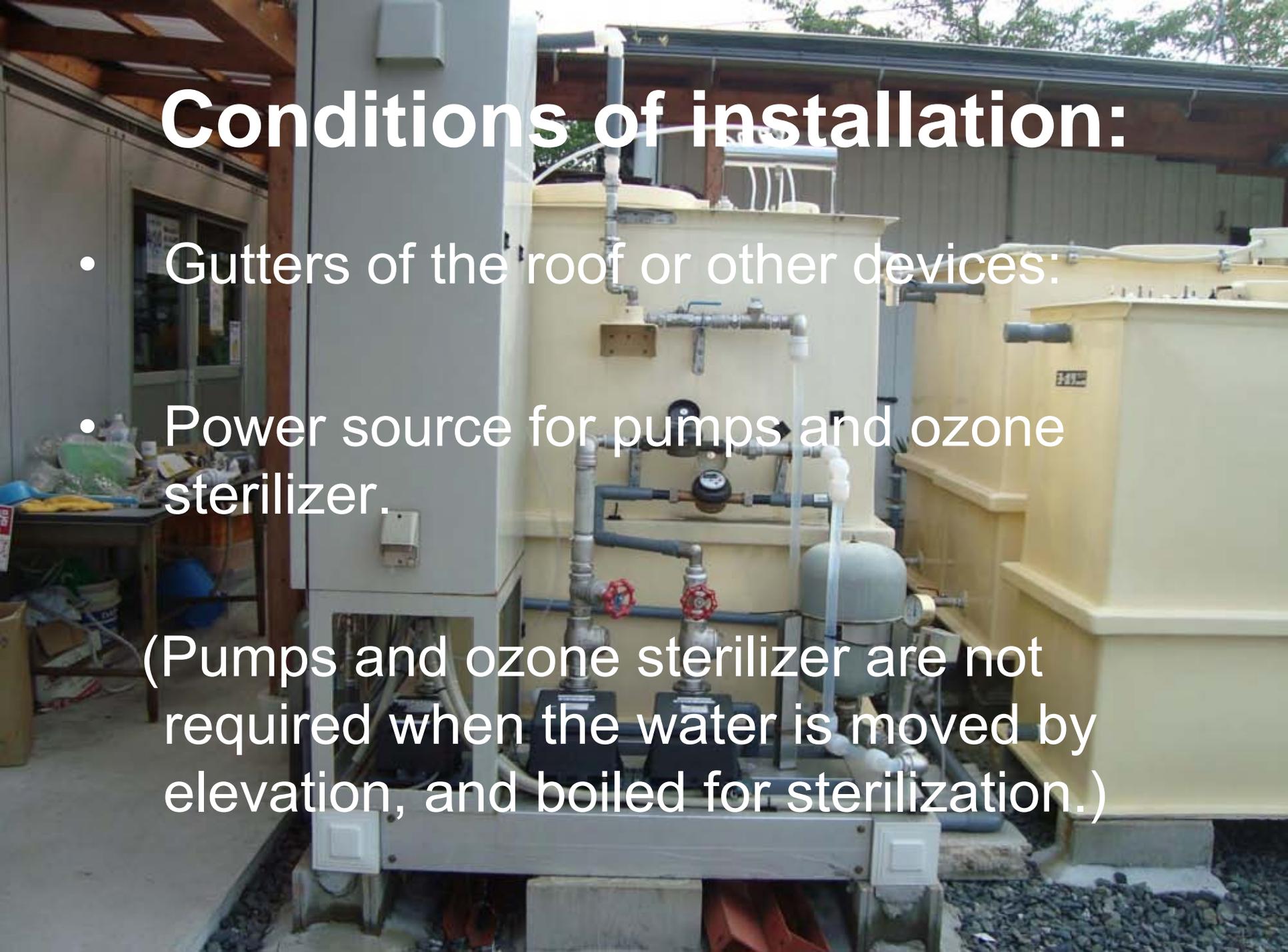
You can store a large amount of water by increasing the number of storage tanks.

1次処理槽 1m³
1st Treatment Tank

Conditions of installation:

- Gutters of the roof or other devices:
- Power source for pumps and ozone sterilizer.

(Pumps and ozone sterilizer are not required when the water is moved by elevation, and boiled for sterilization.)



Disadvantages

- It takes 72 hours for treatment.
- No function is equipped to check contamination with poisonous or hazardous substances.



Flow Sheet of System

