

Rainwater collection tank with a manometric water level indicator

Cylindrical tank for collecting rainwater, mounted in place of the downpipe of the system collecting rainwater from the roof of the building, 3 to 10 m high, with a manometric indicator of the amount of accumulated water, intended especially for temporary water storage in order to limit its outflow and use for watering plants in the garden in dry periods.

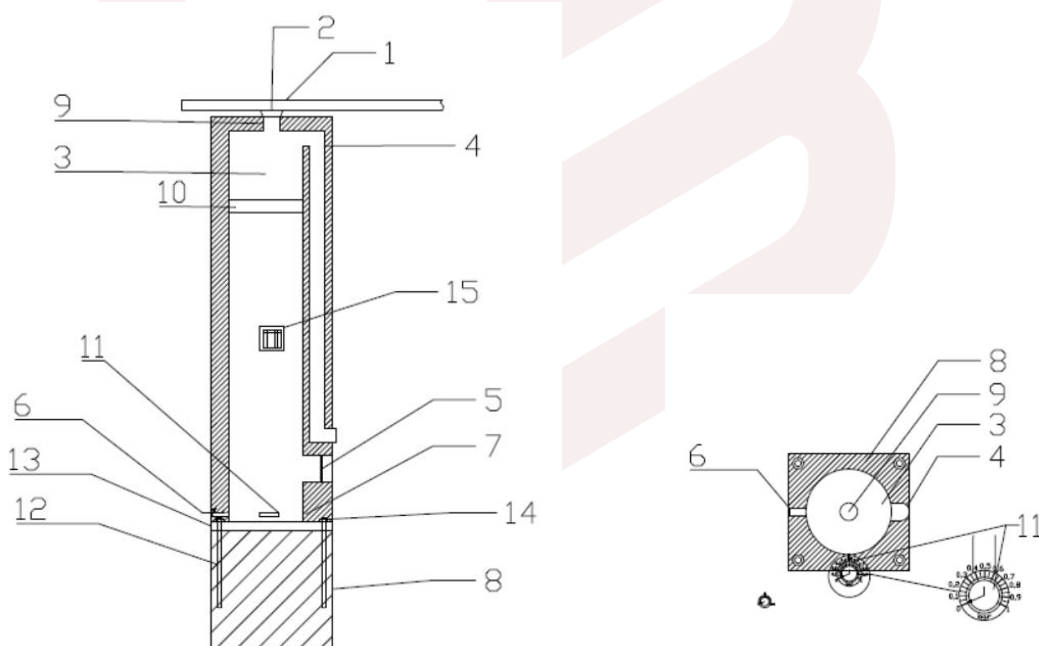
The aim of invention:

- collection and temporary storage of rainwater flowing from the roofs of buildings;
- measurement of the amount of accumulated water;
- use in buildings up to 10 m high, regardless of the season

Authors: dr hab. inż. Edward Wilczewski¹,
inż. Łukasz Wilczewski
mgr inż. Mateusz Józefowicz

Unit of PBS:

- 1) Faculty of Agriculture and Biotechnology



Vertical and horizontal cross-section of the tank: 1 - gutter, 2 - grille, 3 - tank, 4 - overflow pipe, 5 - access, 6 - drain valve, 7 - insulation layer, 8 - concrete pedestal, 9 - stub pipe, 10 - clamp, 11 - pressure gauge, 12 - anchor, 13 - tank base, 14 - nut, 15—table for reading the volume of water collected in the container..

The aim of invention:

- collection and temporary storage of rainwater flowing from the roofs of buildings;
- measurement of the amount of accumulated water;
- use in buildings up to 10 m high, regardless of the season

The innovativeness of the solutions consists in particular in:

- equipping the tank with a pressure gauge, the indications of which allow reading the amount of accumulated water in the table mounted on the tank,
- foundation on a pedestal that allows for assembly next to buildings up to 10 m high,
- equipping the tank with an insulating layer.

Potential benefits:

- the tank may be used in buildings with a wide range of heights,
- possibility of use from early spring to late autumn,
- low costs.

Contact:**Edward Wilczewski**

Al. prof. S. Kaliskiego 7, 85–796 Bydgoszcz

Phone: 794-000-769

e-mail: edward@pbs.edu.pl