

# WL-RAIN

## Water-line, Rainwater filter sets



### DESCRIPTION:

**Triple-stage rain water treatment unit with self-cleaning pre-filter.** Recycling rain water is today a must. Clear water is in the need. Rain water collected from roof and stored in tanks hardly meets quality levels so that it can be directly used for showers, washing machines gardening and other domestic uses, unless sterilization treatments that improve the quality from the bacteriological point of view. In any case, water intended for human or animal consumption is regulated by **Decree Law n. 31 of 2 February 2001** "implementation of Directive 98/83 / EC concerning the quality of water intended for human consumption". WL-RAIN is a water treatment unit that allows to achieve high levels in water clearing, performing a self-cleaning/back-washing pre-filter at 90 micron, a further filtration at 25 micron and final water treatment with activated carbon element capable to remove odors and colors that rain has joined in its path from the roof to storage. WL-RAIN can deliver clear water to house and make rainwater recycling the expected experience. The 3 stage unit is made with a unique triple housing performing solidity and safe installation while saving space. Designed to perform high water flow with low pressure drop.

### SOME DATA ON WHICH REFLECT, THE WATER OF THE NS. PLANET:

- 1.360.000.000 km<sup>3</sup> water volume on the earth
- 1.320.000.000 km<sup>3</sup> are marine waters
- 25.000.000 km<sup>3</sup> are in the glaciers and polar ice caps
- 13.000.000 km<sup>3</sup> are in the ground, in the aquifers
- 250.000 km<sup>3</sup> are fresh waters in lakes, rivers and inland seas
- 13.000 km<sup>3</sup> are water vapor.

So fresh water represents ONLY 2.5% of the total, and only 1/3 is available in liquid form (the rest is in the glaciers). The UNESCO World Water Development Report in 2003 clearly indicates that the amount of water available per capita in the next twenty years will decrease by 30%.

#### TECHNICAL DATA:

Made of non-toxic materials, suitable for drinking water, complying with EU directive 98/83 / EC.

**Head:** reinforced polypropylene. **Container:** PET. **O-rings:** EPDM. **Wind valve:** stainless steel body. **O-rings** EPDM. **Internal / external threads:** brass inserts CW 614 N. **Elastic cartridges:** stainless steel AISI 316-L.

**Ball discharge valves:** brass CW 614 N. **Drainpipe:** nylon. **Maximum flow rate at 3 Bar:** 5500 l/h.

**Maximum pressure drop at a maximum flow rate:** 1,7 Bar. **IN / OUT threads** 1/2", 3/4" o 1".

**Maximum size:** 336 mm x 103 mm x 370 mm

#### SPARE CARTRIDGES AND CODES



WLCARTRAH07

WLCARTCPMA10

WLCARTCLA1

#### FILTRATION:

- 1- RAH: Self-cleaning pre-filtration cartridges of 90 micron stainless steel.
- 2- PMA: Post-filtration cartridges in 25 micron agglomerated polypropylene microfibers.
- 3- LA: Treatment cartridges with granular activated carbon.