



MODERN RAIN WATER HARVESTING SYSTEM



4 Steps of Modern Rain Water Harvesting System

- Filtration of Water by Down pipe filter / Vortex filter along with the oxygen enrichment.
- Acceleration of sedimentation & distribution of oxygenated rainwater within the storage or open well.
- Extraction of filtered water from the storage by a floating filter
- Overflow control, skimming of floating substances.

STEP-1

Down Pipe Filters For Vertical Pipes

For Roof Sizes upto 1200 sq.ft (111 sq. meter)

Easy to install

The Filter collectors are completely made of stainless-Steel. Ideal for domestic installations.



FILTER COLLECTOR (FS)

Height : 352 mm
Diameter : 120 mm
Pipe Size : 90 to 100 mm
Capacity : 3.3 liter/sec
Mesh Size : 0.28 mm
0.44 mm



Vortex Fine Filter For Horizontal Pipes

WFF 100 / WFF 150

For Roof Sizes upto 2152/5382 sq.ft (200 / 500 sq. meter)

Carrying capacity of vehicles upto 30 tons.
Adjustable directions for inlet and outlet.



FINE FILTER WFF 100

Height : 483 mm
Diameter : 315 mm
Pipe Size : 110 mm
Capacity : 4.2 liter/sec
Mesh Size : 0.28 mm
0.44 mm



FINE FILTER WFF 150

Height : 782 mm
Diameter : 315 mm
Pipe Size : 150 / 110 mm
Capacity : 12.8 liter/sec
Mesh Size : 0.28 mm
0.44 mm

WFF 300

For Roof Sizes upto 32291 sq.ft (3000 sq. meter)

Available with steel cover for underground installation to carry vehicles upto 60 tons. Direction of inlet & outlet can easily be adjusted. Turnable 360 degrees.

FINE FILTER WFF 300

Height : 1020 mm
Diameter : 727 mm
Pipe Size : 300/200 mm
Capacity : 80.6 liter/sec
Mesh Size : 0.38 mm



STEP-2

Smoothing Inlet

- Distribution of the fresh water in upward direction
- Keeps old sediment undisturbed
- Spreads the oxygen from fresh water in the tank

SMOOTHING INLET



Rainwater collector from the roof

STEP-1



Rinse off water

STEP-3

Floating Suction Filters

Extraction from Tanks

The floating filters extracts water from the cleanest area of the storage tank which is about 15cm below the top surface. All light weight particles float on top, all heavy particles fall to the bottom.



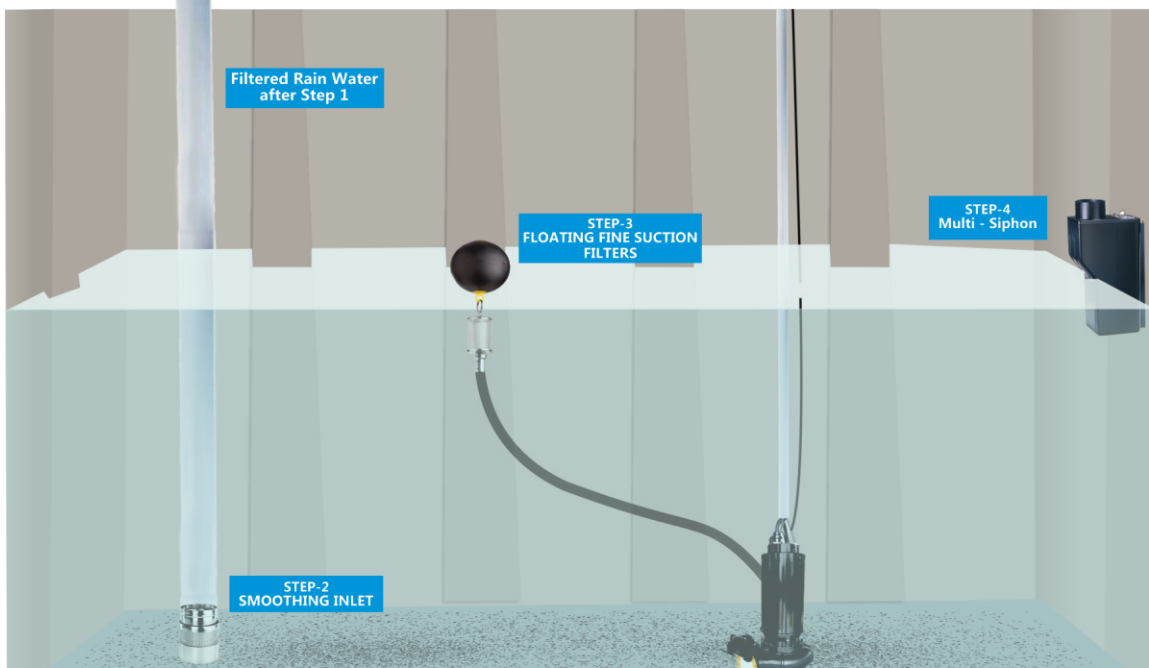
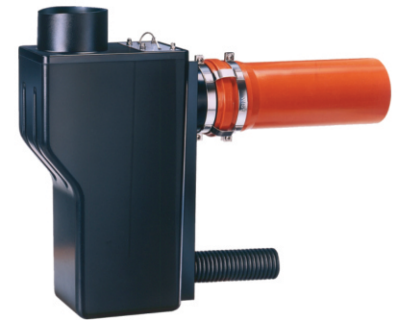
Floating Filter
SAGF
mesh size
1.2 mm

STEP-4

Multi - Siphon

For a Clean water surface & to protect water quality

- Multifunctional overflow unit.
- Made of impact-resistant ABS plastic.
- Connects to an overflow pipe.
- Remove Surface debris
- No drain smells
- Prevents rodents from entering into the tank
- Optional anti-backflow device
- Optional anti-vermin device
- Horizontal opening maximizes skimming



For Exact pipe size, Filter mesh sizes. Best efficiency of filter flow rate - contact technical team

RPV reserves the right to change or modify any technical details without notice or obligation. This document is prepared according to the data sheet available

Rainwater for Drinking and Cooking :

Rainwater is the purest form of water known to mankind, and it is best put in use for drinking and cooking in parts of the world. Many countries impose strict standards governing the quality and purity of drinking water, Rainwater does it all.

- Rainwater oxygenates the human body better than any other water source.
- Rainwater is the least polluted water source compared to the other ones. We, at RPV strongly believe, Rainwater Harvesting is an altogether satisfying experience by itself. We aim in enhancing your experience, bettering it with our other products and ideas in the product line. Some of these include,
- Bio Ceramic based filters that increase alkalinity and minerals in the water and also refine Rainwater and makes it bacteria-free for a day.
- Less Power consuming Electric Motor, with Pressure set to pump the fresh rainwater direct to your kitchen.
- Readymade ferrocement tanks to store and enrich the Rain water with natural minerals for a longer time.



Mr. Rain Fritz, R&D - Wisy



WFF 150



IKEA Rothenburg, Switzerland



RPV Enterprises

- 📍 L-330, Periyar Nagar, Erode
Tamil Nadu - 638 009.
- ✉ info@rpventerprises.com
- ✉ sales@rpventerprises.com
- 🌐 www.rpventerprises.com
- 🌐 www.wisy.de
- ☎ +91 424 2272026
- ☎ +91 81223 00301, +91 70107 48114