



# PRODUCT CATALOGUE

## Rainwater Harvesting System



RPV Wisy is the exclusive channel partner of Wisy for the Indian subcontinent

**4-STAGE RAINWATER CLEANSING PRINCIPLE**  
Harvesting rainwater reduces mains water consumption by:

**80 % !**



**STAGE 1**  
Vortex Finefilter



**STAGE 4**  
Overflow siphon



**STAGE 2**  
Smoothing inlet



**STAGE 3**  
Floating Fine suction filter



**made  
in  
Germany**



## 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.

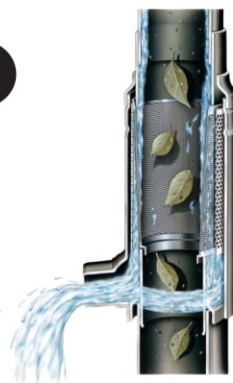
### STEP-1

#### 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<br>0.44 mm |

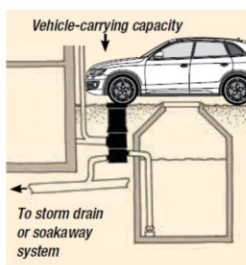


#### Vortex Fine Filter For Horizontal Pipes

##### 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<br>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<br>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 60tons. 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



STEP-1



## 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

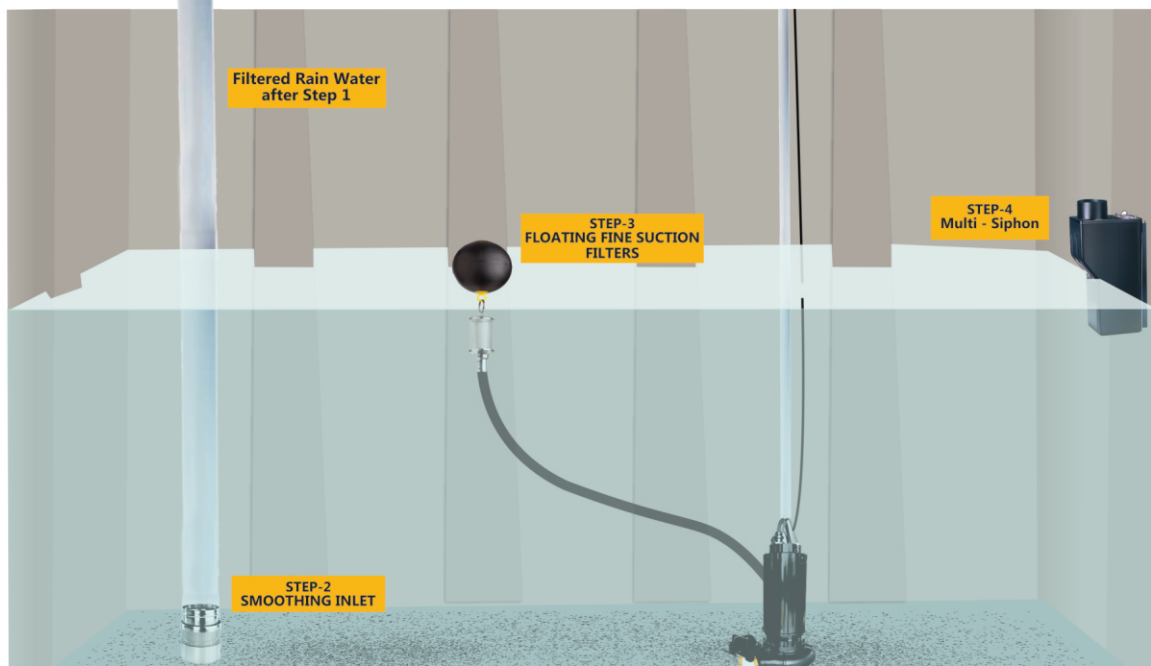
Did you know that with the right technology, harvested rainwater can be made safe for drinking and cooking?

## 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

## References :



**Google Headquarters,  
New York**



**University of Kuala Lumpur,  
Malaysia**



**Cardiff Bus Car Wash,  
Wales, UK**



**House of German Business,  
Berlin, Germany**



**Eiffel Palace Budapest,  
Hungary**



**Maracana Olympic Stadium,  
Brazil, South America**



**Rockwell Business Center  
Manila, Philippines**



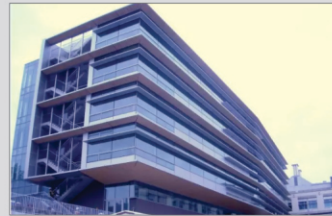
**St. Paul Saints Baseball Stadium,  
Minnesota, USA**



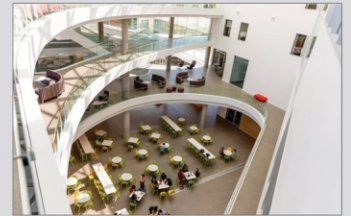
**Sumida City Hall,  
Tokyo, Japan**



**Under flowering elms,  
Recklinghausen, Germany**



**Levine Science Research Center,  
Duke University, North Carolina, USA**



**Carnegie Mellon University,  
Pittsburgh, Pennsylvania, USA**



**SKM Egg Products,  
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