Vardhman Envirotech

What is Rain water harvesting

Collection, filtration and storage of rainwater in tanks or underground

Rain water needs to be filtered from all physical impurities like leaves, bird droppings, paper, plastic, silt or other sediments before Reuse or recharge.

Rain water to be diverted to Mother Earth to recharge ground water rather than letting it drain out.

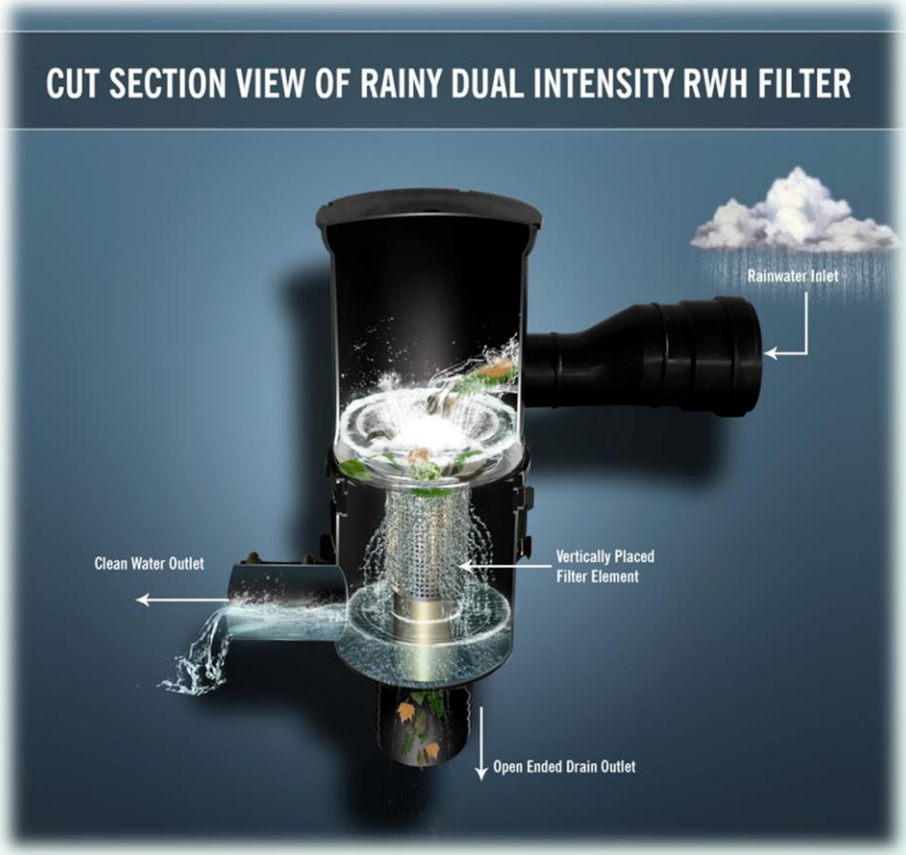
Filtered rain water is ideal for process, cooling tower, garden, fire, flushing, irrigation or domestic applications.

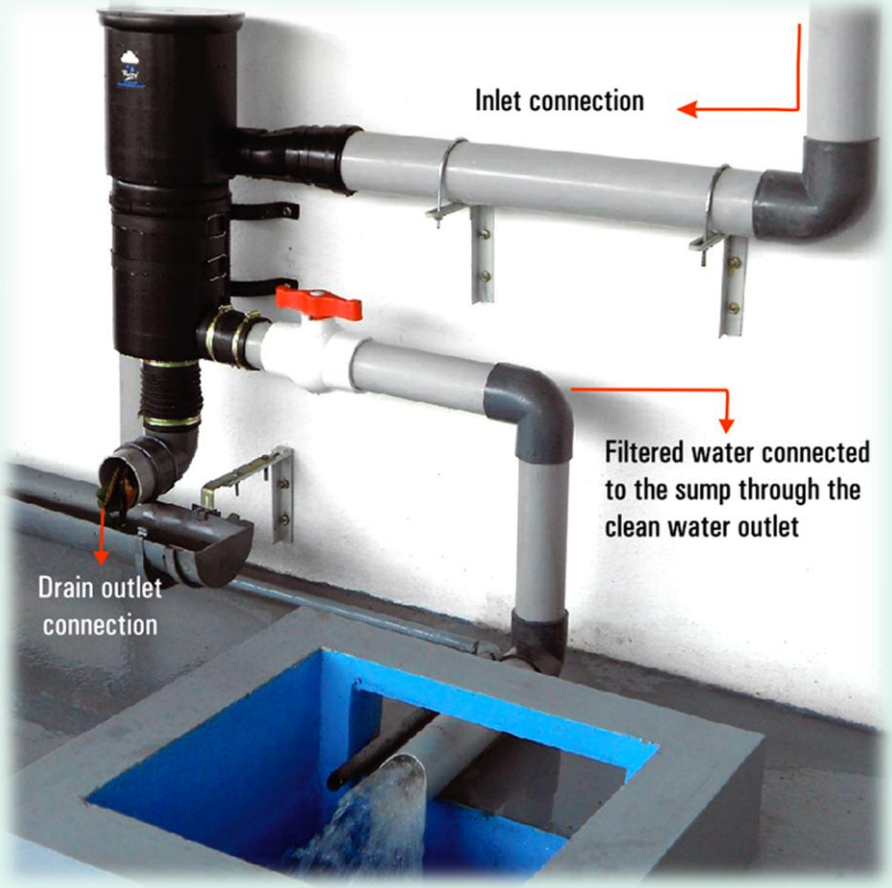
Filtered Roof water collected can also be used as drinking water with proper antimicrobial treatment.

Rainy.. Roof top Rain Water filters

'Rainy'

Working Principle

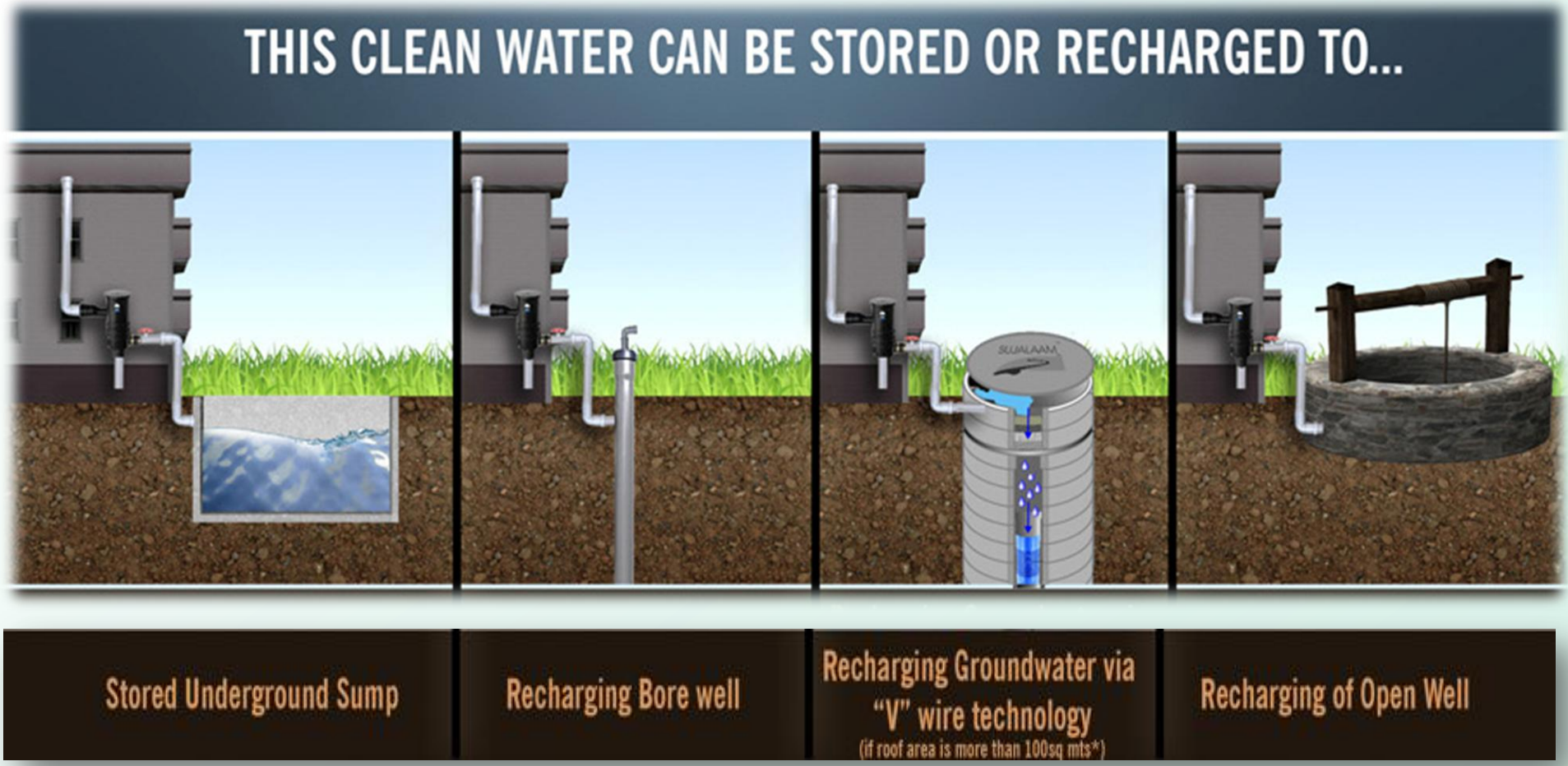




'Rainy'

YouTube https://www.youtube.com/watch?v=9NH4fx24C-E

Applications of Rainwater Harvesting



Rainwater filters for any size, any site

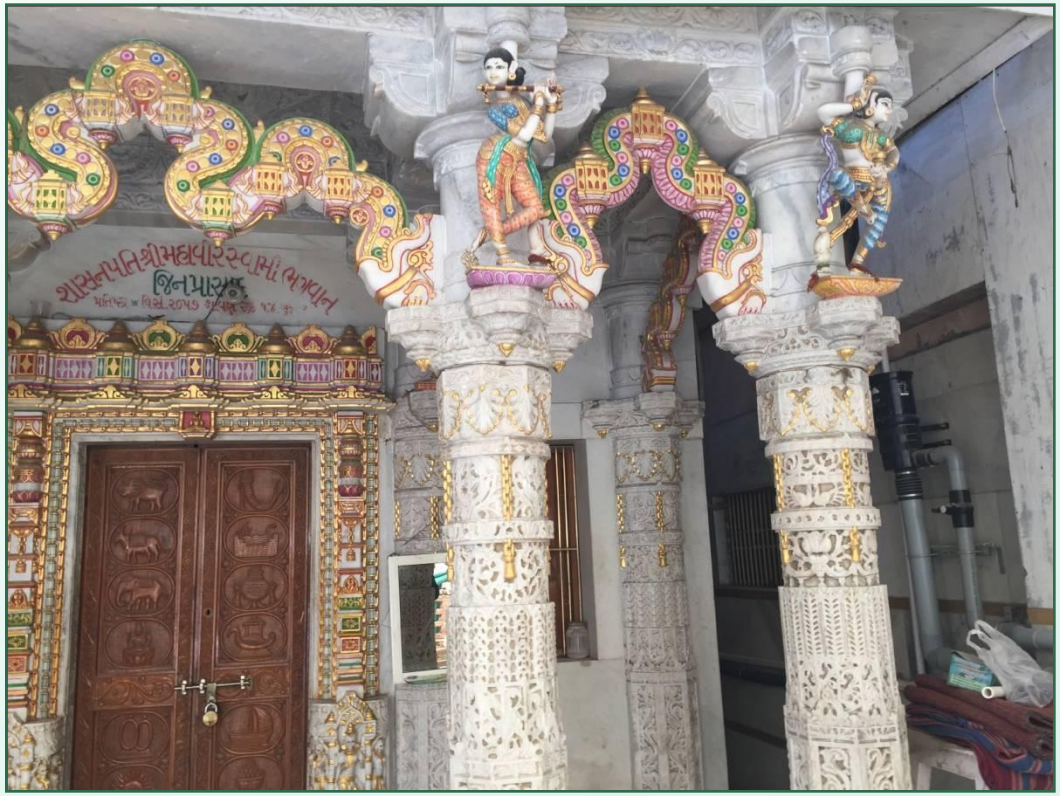
1100	2500	3750	5300

Roof Area in Sq. Ft

Unique Features

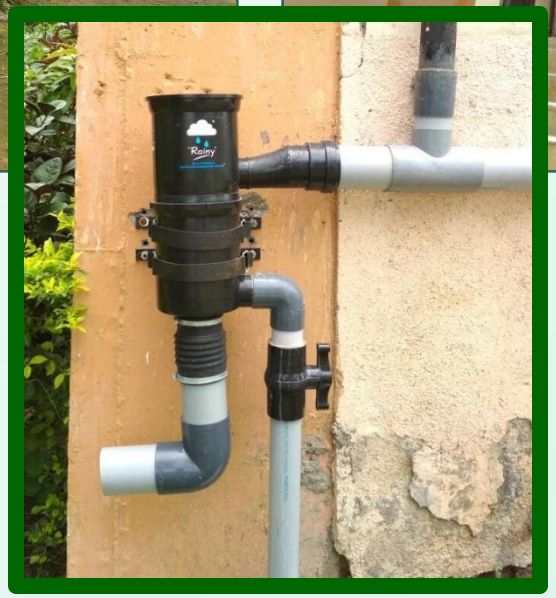
- ✓ Works on Cohesive & Centrifugal force.
- ✓ No power is required.
- ✓ Self Cleaning.
- ✓ Leaves, dirt particles are removed continuously and flushed out.
- ✓ Compact design for simple installation.
- ✓ Fully enclosed and wall mounted.
- ✓ Tough High Density Polyethylene Housing.
- ✓ Filter Pipe connections can be turned 360 Degrees.
- ✓ No Consumables required.
- ✓ Consistent even in variation of rainfall intensity.

Successful Installations @ Jain Temple



Rainwater Reuse for worship

Successful Installations @ Institution



'Rainy'

Rainwater Reuse and recharge

Successful Installations @ Star Hotel

COUNTRY
INNS & SUITES
BY CARLSON

Rainwater Reuse in 3 Lakh litre tank

Successful Installations @ Farm House

Rainwater Reuse and Recharge

https://www.youtube.com/watch?v=AagUyAyiU-4

Successful Installations @ Flat (Society)

Rainwater Recharge in bore well

Successful Installations @ Bungalow

Rainwater Reuse

Successful Installations @ Bungalow

Rainwater Reuse

Successful Installations @ Village Schools

'Rainy'

Rainwater Recharge

Successful Installations @ Stadium

Installation of Rainwater Harvesting systems Hasanamba Indoor Stadium, Hassan.

1. Total Rainfall Considered / Year	:	1,000 mm.
2. Total Roof Area Of Stadium	:	3,000 Sq.Mts.
3. Swimming Pool Capacity	:	8,00,000 Liters
4. Total Requirement Of Water For Recycling / Year	:	6,00,000 Liters
5. Total Availability Of Water / Year	:	22,95,000 Liters
6. TDS Of Filtered Rainwater	:	Less Than 30

'Rainy'

Rainwater Reuse

Successful Installations @ Industries

July-2009- Water procurement was 82.00KL per day.
Aug-2009- Water procurement was 63.87KL per day.
Sep-2009- Water procurement was 63.40KL per day.

Savings-18.60 KL per day during Sep-09.
Cost saving with the water procurement during Sep-09-Rs. 17,655.00 (Seventeen thousand Six hundred Fifty Five rupees only).

The cumulative cost saving Rs. 33,165.00
(Thirty Three Thousand One Hundred Sixty Five Only)

'Rainy'

Rainwater Reuse

Successful Installations @ Industry & Institute

Rainwater Reuse

Successful Installations @ Industry

Rainwater Reuse

Successful Installations @ Industry & Institute

Rainwater Reuse

Successful Installations @ Bunglow

Rainwater Reuse for Drinking, cooking and hair wash

Successful Installations @ Society

Rainwater Reuse for Drinking and Cooking

Successful Installations @ Multistoried building

Rainwater for Recharge

Successful Installations @ Bunglow

Rainwater for Reuse

Successful Installations @ Homes

Rainwater Reuse

Technical Specifications

Technical Specifications & Parameters of various models of Rainy FL Series Dual Intensity RWH Filter				
	Rainy FL-100	**Rainy FL-200**	**Rainy FL-300**	**Rainy FL-500**
Suitable up to roof area:	110 SQMTRS	225 SQMTRS	350 SQMTRS	500 SQMTRS
Max: Intensity of Rainfall:	75 mm/hr	75 mm/hr	75 mm/hr	75 mm/hr
Working Principle:	Cohesive Force & Centrifugal force			
Operating Pressure:	Less Than 2 feet of head (0.060kg/cm^2)			
Capacity:	105 LPM	225 LPM	340 LPM	480 LPM
Filter Element:	SS-304 Screen	SS-304 Screen	SS-304 Screen	SS-304 Screen
Mesh Size:	250 Microns	250 Microns	250 Microns	250 Microns
Inlet:	90 MM	110 MM	110 MM	110 MM
Clean Water Outlet:	63 MM	75 MM	90 MM	90 MM
Drain Outlet:	90 MM	90 MM	90 MM	110 MM
Housing:	High Density Polyethylene			
Efficiency of Filter:	Above 90 %	Above 90%	Above 90 %	Above 90%
Source of power:	Gravity	Gravity	Gravity	Gravity

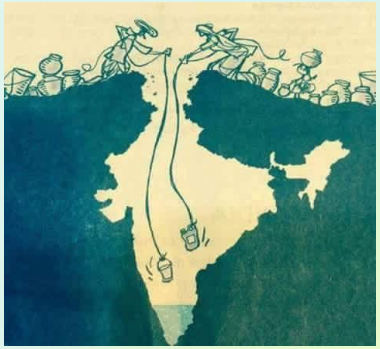
'Rainy'

Benefits of Rain water harvesting

- ✓ Gives fresh drinking water for all
- ✓ Maintains Ecological balance
- ✓ Raises Ground water level
- ✓ Augments the fresh water storage
- ✓ Arrests Saline water intrusion in Fresh water
- ✓ Improves ground water quality phenomenally
- ✓ Gives Food security through sustainable irrigation.
- ✓ Minimizes water pollutions
- ✓ Reduces health risks and hazards

Benefits of Rain water harvesting

- ✓ Averts disasters
- ✓ Brings down Water Footprint
- ✓ Frees rural households from physical work to collect water daily
- ✓ Zero hardness; avoids treatment and wastage
- ✓ Balances entire Eco System and life cycle
- ✓ Reduces Soil Erosion
- ✓ Rejuvenates Rivers, Lakes and other sources of water
- ✓ Dilutes impurities from ground water.
- ✓ Gives us Healthy and Happy life



Closer to our Customers !

www.vardhmanenvirotech.com




Humanity has no money to extract water from Dry lands but has money to look for water on Mars ?

JITO AHMEDABAD CHAPTER

JBN JITO Business Networking GROWING TOGETHER

INDIAN PLUMBING ASSOCIATION

INDRAPRASTHA SYSTEMCERT ISPL Cert DAC CB-022-MS ISO 9001:2008

JAIN ALERT GROUP OF INDIA ESTD. 1983

AHMEDABAD MANAGEMENT ASSOCIATION

THE ALL INDIA PLASTICS MANUFACTURERS' ASSOCIATION AIPMA ESTD 1945

Committed to greener and healthier Planet

Thanks