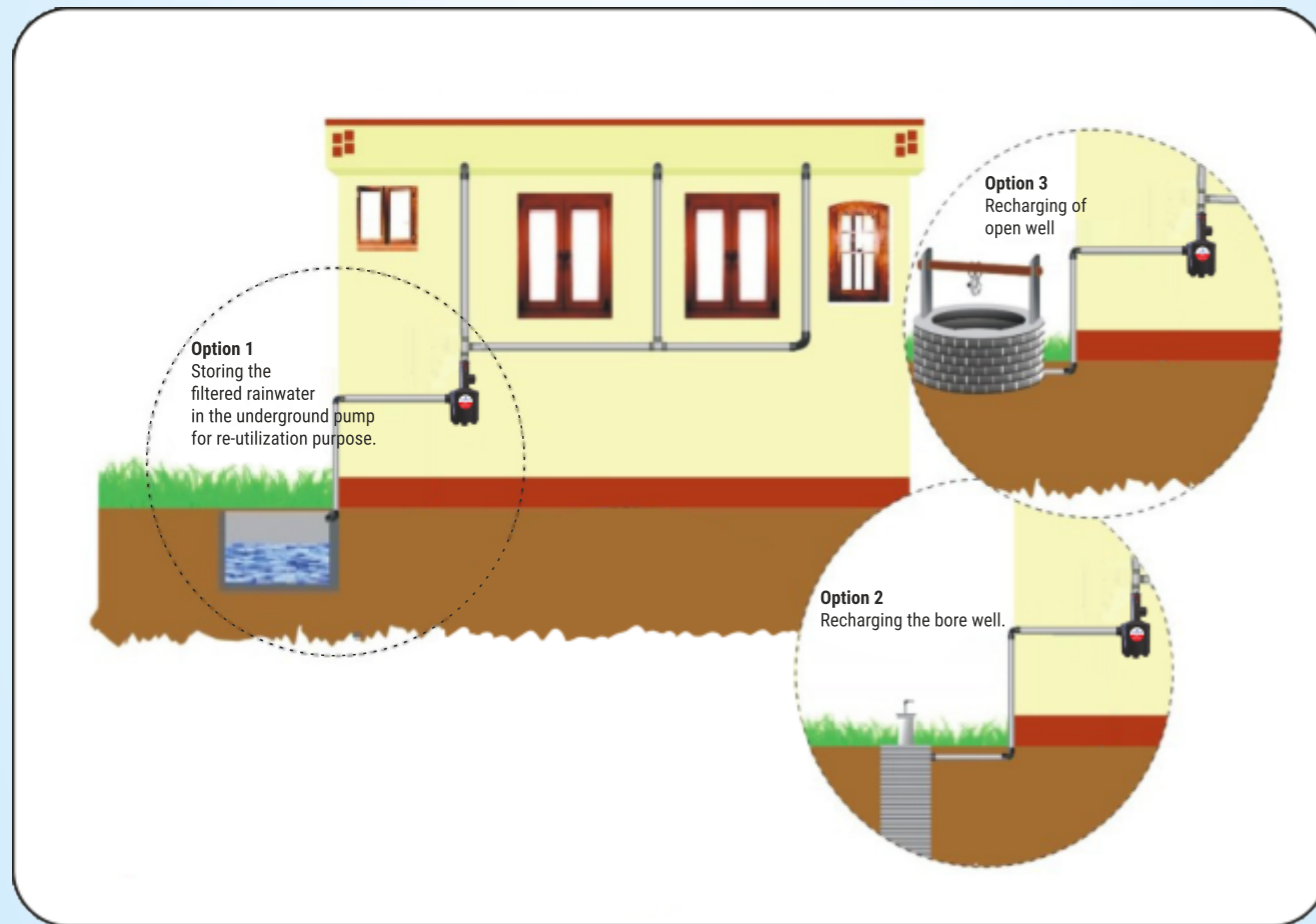


INSTALLATION OF JASPER ROOF WATER FILTER

Jasper Roof Water Filter is installed at the bottom end of the down water pipe. The pipe running down on the wall need to be fitted with a 90° elbow or a bend and connected to the inlet (rainwater inlet) of the Jasper Roof Water Filter. The connection from the down water pipes to the inlet is through the 90mm or 110mm (3" or 4") elbow and a connecting pipe or a reducer collar. The filter so installed must have a gap of minimum 12 inches / 1 Foot from the floor. This will facilitate easy flow of flush water with undesirable substances coming from the roof.



Jasper Roof Water Filter has an outlet (filtered water outflow) through 110mm Tee joint. This Tee joint along with the filter cartridge can be turned in any direction (360°) in its place. This will facilitate positioning of the filter outlet in any direction convenient for installation in the site. This facility is provided in the filter to add flexibility in connecting the outlet of the filter in the required direction to allow filtered water to flow in to the tank.



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LET'S
SAVE
THE WATER
TOGETHER


JASPER™



JASPER SMART DRAIN
Rainwater Harvesting Filter

JASPER ROOF WATER FILTER

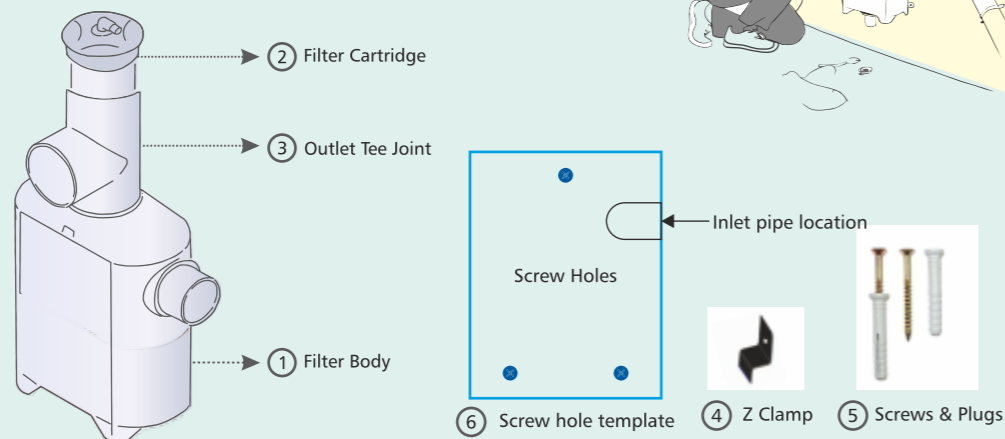
Rainwater collected on the roof is very pure and clean. However, there are many substances, which get mixed with this pure water on the roof (leaves, bird droppings, dust etc.). These impurities need to be filtered before the rainwater is stored or recharged in to the ground. "Jasper Roof Water Filter" is a scientifically developed device, which is very effective and user friendly. This filter will effectively filter roof top rainwater from residential buildings and smaller institutional or industrial buildings. These Jasper Roof Water Filters are simple in design and are very flexible to install in varying field conditions. An important feature in filtering rainwater is the separation of the first flush of rainwater from the relatively cleaner and purer subsequent rainwater.



Save the rain water today
to Enjoy your tomorrow on

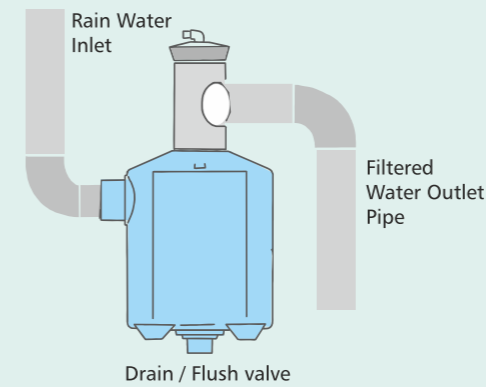
THE EARTH

The down water pipes are placed vertically on the walls. These pipes receive water from the rooftop through 90° bend or elbow attached to them at the top. The other end of the pipe is left free for the water to flow down or attached with a 45° elbow or a bend to facilitate the water to flow away from the building. RoofWater Filter comes in a carton box and will have 6 components.



INLET & OUT LET PIPE CONNECTION

Down water pipe carrying the roof water need to be connected to the inlet of the filter with proper pipe fittings (110mm or 4 inch elbow or bend and if required pipe collar). Filtered rainwater outlet need to be connected to a pipe and suitable fittings (110 mm or 4 inch) to channel the filtered water in to the water storage tank or underground sump. Make sure the elbows or bends or pipe connecting to the filter at inlet and outlet are firmly anchored on to the wall with proper pipe clamps and screws.



Jasper Roof Water filter has a drain / flush pipe at the bottom. This pipe can be either left free or can be connected with a suitable pipe to channel the dirty water while flushing or back washing the filter cartridge in to the drain or the ground.

FILTER ELEMENT

Filter element is made of plastic net and mesh of varying sizes to effectively filter rainwater from the roof of a building. This filter cartridge is designed for the life time of the filter and normally need not be replaced. A cap-holder rim on the top facilitates installation of the filter element inside the filter body and also positions the filter element at appropriate height inside the filter body. While removing the filter element from the filter, gently pull the cap-holder vertically upwards. Make sure the entire length of the filter element is pulled out of the filter before tilting. While installing the filter element back in to its position, make sure the mesh role enters the barrel without any crinkle. Gently push the filter element downwards up till the cap-holder sits and positions itself on the vertical column of the filter. The filter cartridge cap has two spring loaded knobs and the knobs need to be pushed inside before pressing down the filter cartridge into its position. The bottom of the filter cartridge has a flow stopper arrangement and sits on a rubber O-ring. This arrangement allows the water to flow out of the filter at the bottom or stop the flow when required. Important • Jasper RoofWater Filter must be installed in vertical position only. • Jasper RoofWater Filter can handle rainwater from a maximum of 1500 sq. ft. of roof area with 1000 mm / 40 inch annual rainfall. • Keep the Jasper RoofWater Filter dry during non rainy days by lifting the filter cartridge and releasing the spring loaded knobs on to the rim of the outlet. This will release stagnant water inside the filter body alongwith all the dirt collected and filtered.

