

Planning

Consultation

Construction

Rainwater Filters



Ph: 9741127421

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Nesara Rainwater Harvesting

Dealers of 'RAINY' Rainwater Harvesting Filters

#14, Chandrashekara Road, BEML 3rd Stage, Near Andra Bank, Rajarajeshwarinagar, Bangalore-98

TECHINAL SPECIFICATIONS & PARAMETERS OF VARIOUS MODELS OF RAINY FL SERIES DUAL INTENSITY RAINWATER HARVESTING FILTERS

	<u>Rainy FL-100</u>	<u>Rainy FL-200</u>	<u>Rainy FL-300</u>	<u>Rainy FL- 500</u>
Suitable up to roof area :	110 Sq mtrs	225 Sq mtrs	350 Sq mtrs	500 Sq mtrs
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 (0.060 kg/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 Oultet:	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

With the use of Rainy Filters one can harvest the rainwater and reutilize or recharge the groundwater source to meet the requirements to the extent of 35 % of the annual requirements. Rainy Filters are a good substitute for Conventional Filters like sand filter, Filtration chamber with layers of aggregate. This is filter is absolutely maintenance free compared to conventional filter. Rainy is designed specifically for Rainwater Harvesting and it has own the many awards for its innovative design and simplicity.

'Rainy ' Filters are designed to fix to the wall by connecting Rooftop Drain water Pipes. When the rainwater flows by gravity through the uniquely designed inlet of filter and enters the upper housing so as to flow into the Stainless Steel 304 grade filter element in angular motion at specific velocity, which creates cohesive force and segregates dirt particles and clean water individually. There by dirt particles and waste materials are flushed out through the drain outlet and at the same time clean water passes through the clean water outlet which can be used for reutilization or recharging or bore wells.