

Rainwater system

Friday, October 12, 2007
9:15 AM

PACKAGE 5: Deluxe Potable System

Total system for potable use in showers, toilets, washing machines, dishwashers, and as drinking water. Filtering can handle up to 5,500 sq. ft. roof area.

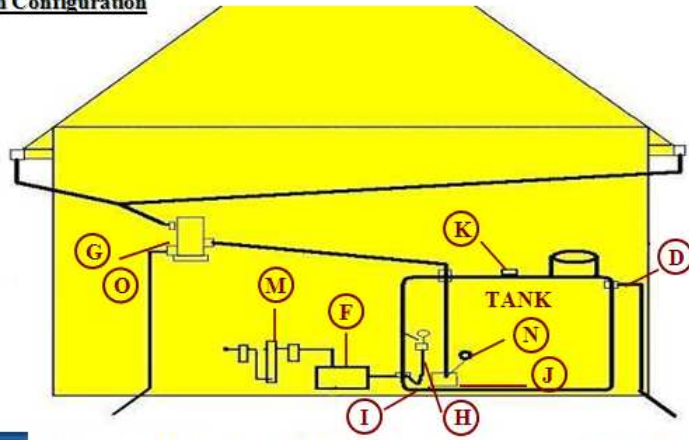
INCLUDES:

Above Ground Tank 2,500 gallon 3,000 gallon 5,000 gallon 10,000 gallon		1 1/4" Floating Filter with Suction Hose S29928 AS2004		(H) (I)
(G) (O) WFF 150 Vortex Filter without extension & Wall Bracket WF1002 WH0303		Smoothing Inlet EB0300 US Overflow Kit OFK15	 Directs tank overflow to desired location	(J) (D)
(F) 1 hp Booster Pump JMQ3-45		Level Indicator S102	Wireless sensor gives remote tank level readings	(K)
(M) Purification Kit	2: 20" filter housings; 1: string wound 1 micron sediment filter; 1: carbon filter for odor/taste; 2: mounting brackets; 2: filter wrenches 1: 15 GPM ultraviolet light	N/O Float Switch 4" Bulkhead Tank Fitting NOR-2171	Pump protection Rainwater inlet for the tank	(N)

OPTIONAL EQUIPMENT:

Maximum Tank	For connecting to second water source	1/2 hp Submersible Cistern Pump Kit
---------------------	---------------------------------------	-------------------------------------

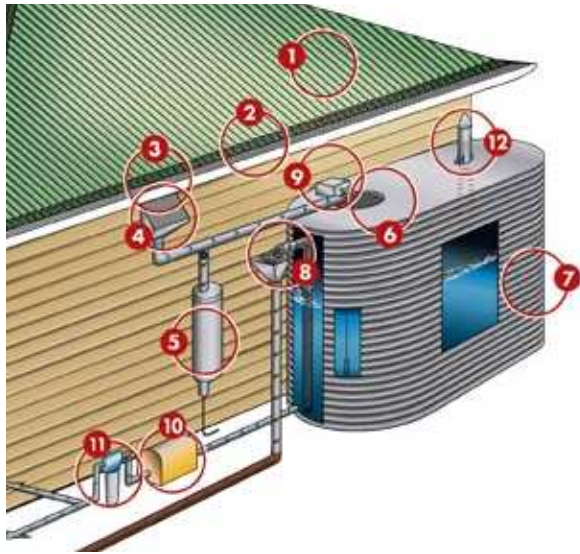
Connection Configuration



Rainwater Management Solutions 1260 West Riverside Dr. Salem, Virginia 540.375.6750
www.rainwatermanagement.com

Screen clipping taken: 10/12/2007, 9:16 AM

<http://www.rainwatermanagement.com/company.php>



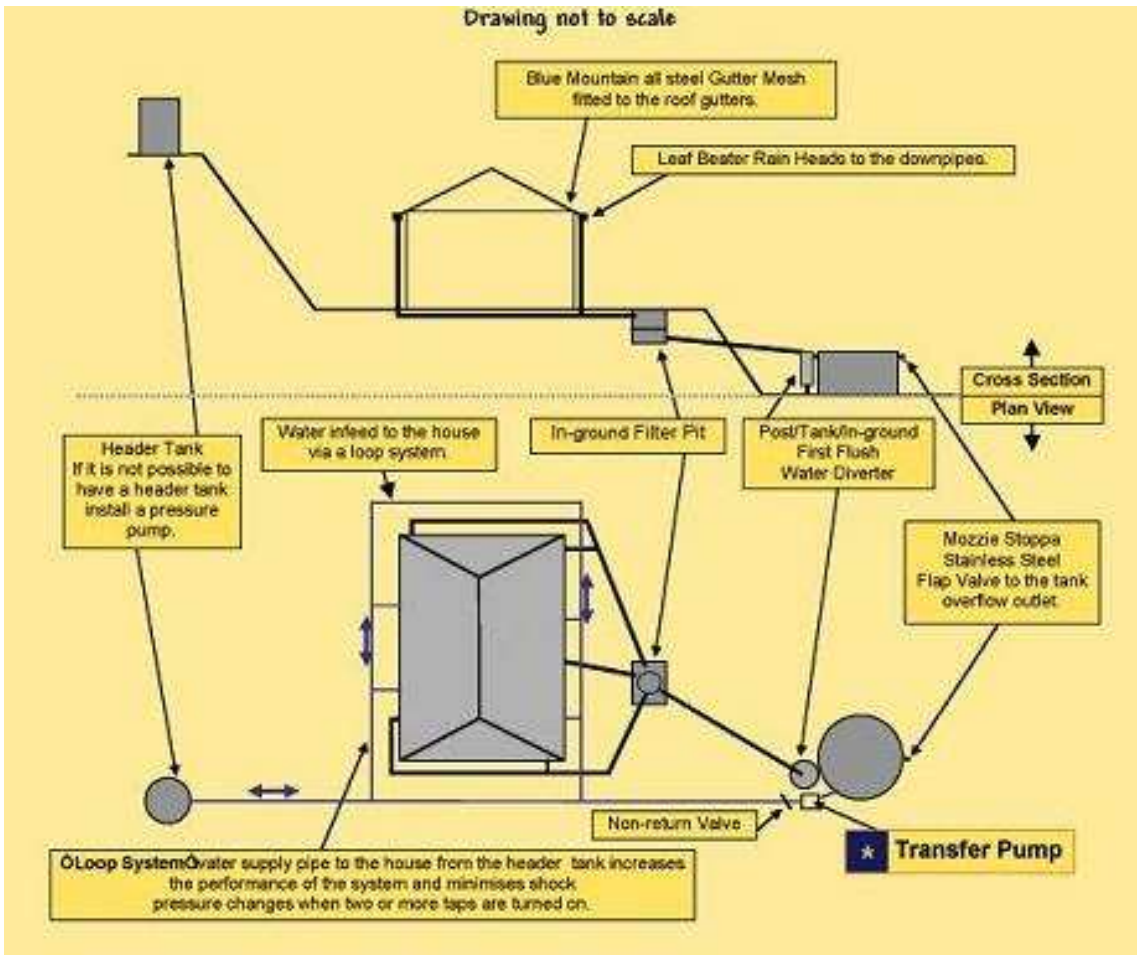
1. Check **ROOF SURFACE** is suitable for collecting quality rainwater.
2. Install **GUTTER MESH** (such as Blue Mountain Mesh) to prevent leaves and debris from blocking gutters.
3. Fit **GUTTER OUTLETS** from the underside of the gutter to prevent obstruction of water flow.
4. Fit Leaf Eater or Leaf Beater **RAIN HEADS** to downpipes to stop gutters blocking. Rain heads deflect leaves and debris & keep mosquitoes out of pipes that hold water ("wet" systems).
5. Install **WATER DIVERTER/S** to prevent the first flush of most contaminated rainwater from entering the tank.
6. Ensure the **TANK SCREEN** is installed at tank entry point to filter water and keep mosquitoes and pests out.
7. Choose a **WATER TANK**. Consider annual rainfall, roof catchment area and water usage when determining its size.
8. Attach **INSECT PROOF SCREENS** or **FLAP VALVES** to the end of all pipes to the tank screen (for 'wet' systems) and to **TANK OVERFLOW OUTLETS** to keep mosquitoes and pests out and ensure tank is vented properly.
9. Utilise a **TANK TOP UP** system (if required) to automatically top-up the tank with mains water when water levels fall to a designated minimum level.
10. Select a **PUMP SYSTEM** (if required) to distribute water for use inside or outside the home.
11. **RAINWATER FILTER**. Fit a purpose designed rainwater filter after the pump to help reduce residual sediment, colour and odour.
12. **WATER LEVEL MONITOR**. Install a level indicator to help monitor your water usage. Wireless systems are most convenient and display a reading inside the home.

Pasted from <http://www.rainharvesting.com.au/create_a_complete_system.asp>

For a sloping site - dry catchment and gravity fed

This system is **the ultimate system** to delivery rainwater for all of a household's requirements.

Pasted from <http://www.rainharvesting.com.au/large_tank_systems.asp>



A sloping allotment that allows this type of setup is the ultimate system. The pump only needs to operate when the Header Tank is being filled up. Being gravity fed, there is always ample and constant water pressure. The suggested "loop" system uses 40mm poly pipe with a tee off with 25mm feeder line into the hot water service (HWS). By positioning the HWS near to the most frequently used taps (kitchen and basin), the draw off before the hot water arrives is minimal and better than having small pipes that result in low delivery rates on low pressure. A two tap, single post mixer is ideal for ideal for a gravity fed system and allows better regulation of flow and temperature.

* By changing the Transfer Pump to a pressure pump the gravity fed system becomes a pressure system or a gravity feed system at the flick of a switch. The in-feed pipe to the tank must be fitted with an automatic level shut off ball valve. When the pump is turned on the house operates on the pressure system. When the power goes off the house operates as a gravity feed system. This system is recommended for fire prone areas.
For a site where it is not possible to have a Header Tank, install a pressure pump.

Pasted from <http://www.rainharvesting.com.au/large_tank_systems.asp>