

Home care and  
maintenance  
information for

**DAVEY**

 **DAVEY**  
**RainBank**® and

 **DAVEY**  
**RainBank**® **EVO**



**Depend on Davey**

Created by the experts at Davey, RainBank and RainBankEVO the original and market leading household water saving devices in their field.

When fitted to your tank, RainBank and RainBankEVO uses the tank water first, directing to your water thirsty appliances such as your toilet, laundry and outdoor applications like irrigation and washing the car.

If the tank is low or empty, RainBank and RainBankEVO automatically senses this and switches to use mains water. In the event of a power shortage it has been designed to operate without the pump and revert back when power supply is re-established.

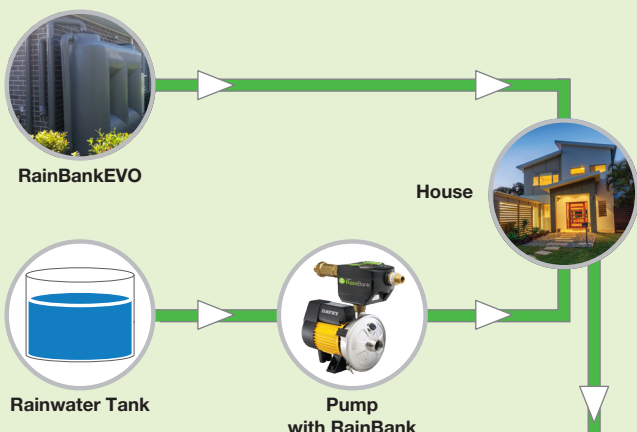


Market-leading RainBank and RainBankEVO, is the smartest choice in rainwater harvesting controllers; why?

- > **Designed and made by Davey**, an Australian owned company making dependable products in Australia for 80 years.
- > **Easily installed RainBankEVO**. Each pipe connection has swivel barrel unions, making installation easy.
- > **High flow design** allows maximum pump performance for high efficiency delivery of water up to 100 litres per minute for municipal toilets and laundries.
- > **High efficiency design** allows for smaller pumps to be used, therefore saving energy.
- > **Float or No Float options** - for surface mounted RainBank installations.
- > **No “easy to block and jam”** solenoid valves.
- > **Seamless**, positive water source selection with no mixing of tank and mains water.
- > **Clog and blockage free** flat plate water flow detector with no moving parts to increase lifetime.
- > **Emergency override** button in the event of no mains supply.
- > **Supported** by a professional, trained service network.
- > **Primary and secondary filtration** fitted as standard for RainBankEVO.

\* Check regulations with your local council / water authority for rainwater:

- use in hot water systems
- backflow prevention requirements
- garden watering restrictions / allowances



## Rainwater is ideal for:

- **Flushing toilets** – rainwater is free of dissolved metals that could stain your toilet and is the most environmentally friendly way to flush
- **Washing clothes** – rainwater is naturally soft and chemical free, making soaps work well and clothes sparkle
- **Watering gardens** – rainwater on a garden is just as nature intended and can also be used to top up pools
- **Washing cars** – avoid water restrictions and wash your pride and joy with soft chemical free rainwater that won't leave streaks.



It is possible to reduce your mains water consumption by as much as 40% or more with a RainBank when connected to a well plumbed rainwater tank.

# NPI GROUP



## **WHY CHOOSE A SURFACE MOUNTED Rainbank SYSTEM?**

- Choice of both pump size (6 options) and type option (surface mounted and submersible).
- Choice of pump floats (top and side entry).
- Choice of pump mounted controller or wall mounted controller.
- Easier access to surface mounted pumps for service and maintenance.

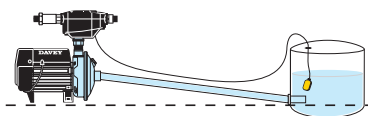
## **WHY CHOOSE A TANK MOUNTED RainbankEVO SYSTEM?**

- Fits neatly in the top of the tank for a space saving, sleek design.
- Submersible pump for overall quieter operation.
- Concealed controller and pump to deter theft after installation.
- Primary and secondary tank water filtration fitted as standard.
- Swivel inlet and outlet connections for easy plumber installation.
- Over 50% time saving on installation compared to surface mounted RainBank.

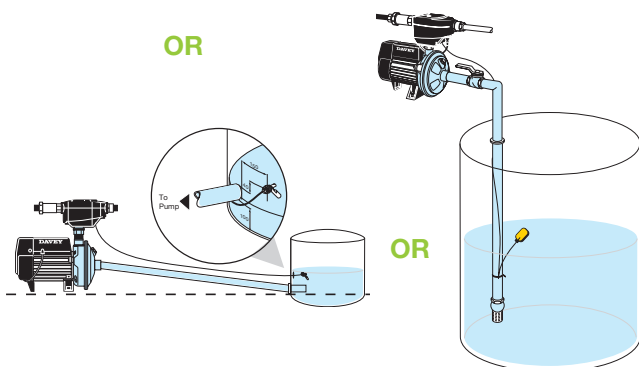


## Surface Mounted RainBank System

Install it like this

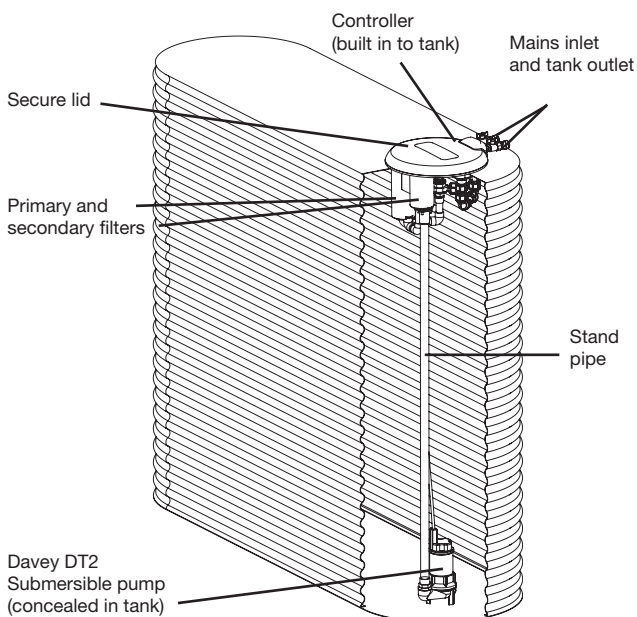


OR



OR

## Tank Mounted RainBankEVO System



## WHY CHOOSE THE DAVEY RainbankeVO RAINWATER TANK SYSTEM?

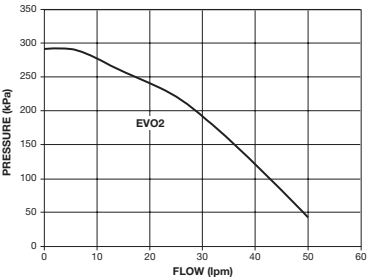
- Patented, yet uncomplicated technology, providing a dependable solution to rainwater harvesting.
- RainBank automatically switches between rainwater and mains water supply, so you don't need to think about it.
- Fits neatly in the top of the tank for a space-saving, sleek design.
- Incorporates easily with new homes and buildings. All installation materials are included to save you time and money.
- Placement of the connection points saves time on installation.
- Environmentally friendly:
  - Saving water
  - Reducing flow to storm water systems
  - No re-pumping of mains water
  - Low power consumption in standby
- No solenoid valves used. Provides seamless mains backup in the event of no rainwater or electrical interruptions.
- Built-in backflow protection valve (dual check valve) in compliance with the requirements of AS/NZS 3500-1-2003 for added safety and assured protection of your mains water supply.
- RainBank control module has Watermark approval under licence WMKA 22042.



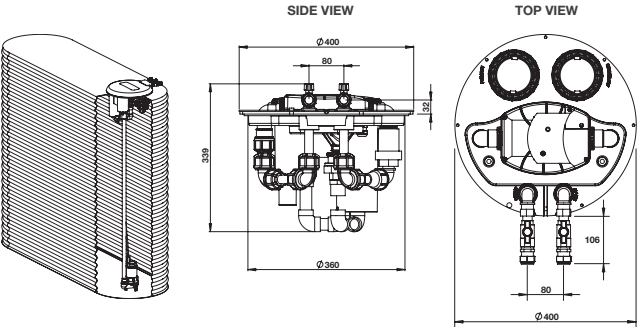
# RainbankEVO Specifications

OPERATING LIMITS		MATERIALS OF CONSTRUCTION	
		PART	MATERIAL
Maximum flow rate (mains)	80 lpm	<b>Dual check valve</b>	
Maximum flow rate (pump)	80 lpm	Body	Nylon
Maximum Mains water pressure	600 kPa	Valves	Acetal
Maximum pump pressure	350 kPa	Springs	304 stainless steel
Maximum pump amps	10 A	<b>Source control valve</b>	
Level switch voltage	12 Volts DC	Body	Nylon
Maximum water temperature continuous	50°C	Valves	Acetal
Minimum water temperature	1°C	Plunger	Grivory
Maximum ambient temperature	50°C	Diaphragm	Santoprene
Mains water inlet size	20mm nylon olive	Springs	316 stainless steel
Rainwater inlet size	25mm PVC	Seal	Nitrile
Outlet size	20mm nylon olive	Filter Lid	Polycarbonate
		Sensor plate	316 stainless steel
		Enclosure	A.B.S.
		<b>ELECTRICAL DATA</b>	
		Supply voltage	220-250V
		Supply frequency	50Hz
		Max. full load current	10A
		Enclosure class	IP23
		Power supply lead	Incoming 3.5m
		Pump Lead	10m

## SYSTEM HYDRAULIC PERFORMANCE WITH RAINWATER



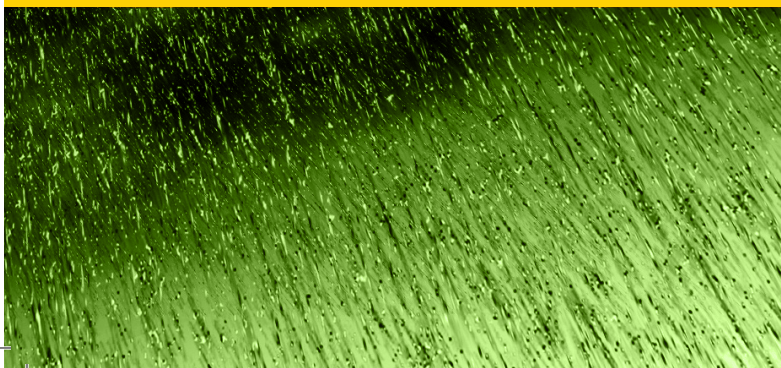
## DIMENSIONS (MM)





## WHY CHOOSE THE DAVEY Rainbank CONTROLLER?

- RainBank is a mains/tank water interconnection device sourcing rainwater as a priority with mains as a back up.
- New Floatless version now available.
- Unique patented, yet uncomplicated technology, providing a dependable solution to rainwater harvesting.
- Environmentally friendly:
  - Saving water
  - Reduced inflow to stormwater systems
  - No re-pumping of mains water
  - Low power consumption in standby
- No solenoid valves used.
- Provides seamless mains back-up in the event of no rainwater or electrical interruptions, for consumer convenience and comfort
- Feedback lights to indicate water source and faults.
- Built-in backflow protection valve (dual check valve) in compliance with the requirements of AS/NZS 3500-1-2003 for added safety and assured protection of your mains water supply.
- Can be mounted on pump or on nearby wall for easier installation and to suit a variety of applications. Best mounted near the laundry and away from bedrooms.
- Simple to install with no adjustment necessary, saving time and money at installation.
- RainBank control module has Watermark approval under licence WMKA 22042.

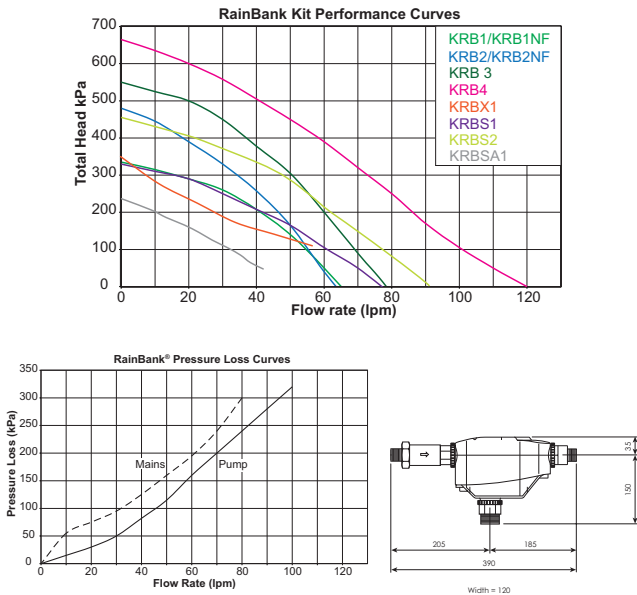




# Rainbank Specifications

OPERATING LIMITS		MATERIALS OF CONSTRUCTION	
Maximum flow rate (mains)	100 lpm	PART	MATERIAL
Maximum flow rate (pump)	100 lpm	<b>Dual check valve</b>	
Maximum Mains water pressure	900 kPa	Body	D.R. brass
Maximum pump pressure	600 kPa	Valves	Acetal
Maximum pump amps	10 A	Springs	304 stainless steel
Level switch voltage	12 Volts DC	<b>Source control valve</b>	
Maximum water temperature continuous	50°C	Body	Nylon
Minimum water temperature	1°C	Valves	Acetal
Maximum ambient temperature	50°C	Plunger	Grivory
Mains water inlet size	3/4" BSP(M)	Diaphragm	Santoprene
Rainwater inlet size	1" BSP(M)	Springs	316 stainless steel
Outlet size	3/4" BSP(M)	Seal	Nitrile
		Sensor plate	316 stainless steel
		Enclosure	A.B.S.
		<b>ELECTRICAL DATA</b>	
		Supply voltage	220-250V
		Supply frequency	50Hz
		Max. full load current	10A
		Enclosure class	IP23
		Power supply lead	2m
		Pump Lead	10m
		Level switch lead length: Side entry Top entry	5m 9m

## HYDRAULIC PERFORMANCE & DIMENSIONS (MM)



# Care and maintenance of your system

Your rainwater harvesting system will provide many years of faultless operation with regular care and maintenance. It is important that the following few simple maintenance steps are regularly performed.

## 1. Cleaning and inspecting your gutters

It is important for the proper functioning of your rainwater system that your gutters are kept clean and clear. Regular inspection

and cleaning is required to ensure that leaves and other organic material does not enter your down pipes and collect in the underground pipe work.

If you live in a leafy area it is recommended that you fit a suitable gutter guard to help keep the leaves out of you gutters. Dirty gutters are the main cause of your rainwater developing unpleasant odours or developing discolouration.

*Note: Cleaning your gutters is a dangerous activity and should be completed with suitable fall protection. We recommend the use of licensed contractors to perform this function.*

**ACTION:** Inspect and clean your gutter of all leaves and dirt.



## 2. Cleaning the tank inlet filter

The inlet filter to your tank must be kept clean allowing the water from your roof to pass easily into your tank.

Cleaning frequency of the inlet filter varies depending on your location and the amount of debris coming from your roof. Initially check the filter weekly until you determine the frequency required.

**ACTION:** Remove the filter and hose clean. The use of a scrubbing brush may be required to remove dry and stubborn debris.



### 3. Cleaning controller filters RainBankEVO



**Primary filter** contains a 200 micron filter basket that can be cleaned and reused.

*Note: Remember to turn the power point back on so your system is ready to use.*



**ACTION:** Turn off the power point, remove primary filter cap, remove and clean filter replace ensuring the cap is tightened.



**Secondary filter.** This is an optional filter and your system may not contain an actual filter cartridge inside this filter pot. This filter pot has been designed for an optional upgrade filter if your tank water is discoloured or has developed odours.

This filter pot is designed to have an industry standard 10 inch filter cartridge. Filter cartridges can be purchased from any Davey dealers.

**ACTION:** To check if you have a cartridge filter installed or to replace. Turn off the power point, remove secondary cap, remove and clean or replace with new filter, ensure the cap is tightened.



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