



**Model Numbers: RB2, RB2/S**

DEPEND ON  
**DAVEY**

**WATER PRODUCTS**



## Rainwater Harvesting Controller

### PRODUCT DESCRIPTION

Dual source controller, specifically designed to source rainwater for water applications such as toilets and/or laundry, with automatic mains water back-up.

Also suitable for exterior taps.

### APPLICATIONS

RainBank® is ideal for metropolitan rainwater harvesting on homes, toilet blocks and garden irrigation.

### FEATURES & BENEFITS

- RainBank® automatically switches between rainwater and mains water supply, so there is no need for consumer intervention.
- Feedback lights to indicate water source and faults.
- Incorporates easily with new and existing buildings, for easy installation.
- 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.
- Adaptable to existing pumps and rainwater tanks, to reduce waste and re-use existing resources.
- 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.
- Simple to install with no adjustment necessary, saving time and money at installation.

### OPERATING LIMITS

Max. flow rate (mains)	100 lpm
Max. flow rate (pump)	100 lpm
Max. Mains water pressure	900 kPa
Max. pump pressure	600 kPa
Max. pump amps	10 amps
Level switch voltage	12 volts DC
Max. water temperature continuous	50°C
Min. water temperature	1°C
Max. ambient temperature	50°C
Mains water inlet size	3/4" BSP(M)
Rainwater inlet size	1" BSP(M)
Outlet size	3/4" BSP(M)

Note:

RainBank®/S model specifically designed for submersible pumps fitted with auto float switch.



# TECHNICAL SPECIFICATIONS

## MATERIALS OF CONSTRUCTION

PART	MATERIAL
Dual check valve	
- Body	D.R. brass
- Valves	Acetal
- Springs	304 stainless steel
Source control valve	
- Body	Nylon
- Valves	Acetal
- Plunger	Grivory
- Diaphragm	Santoprene
- Springs	316 stainless steel
- Seal	Nitrile
Sensor plate	316 stainless steel
Enclosure	A.B.S.

## ELECTRICAL DATA

Supply voltage	220-250V
Supply frequency	50Hz
Max. full load current	10A
Enclosure class	IP23
Power supply lead – incoming	2m
Level switch lead length:	
Side entry	5m
Top entry	9m

## APPROVALS

Complies with electrical standards :

AS/NZS60335.2.41: 2004 Clause 24

Certificate of electrical suitability A/10E

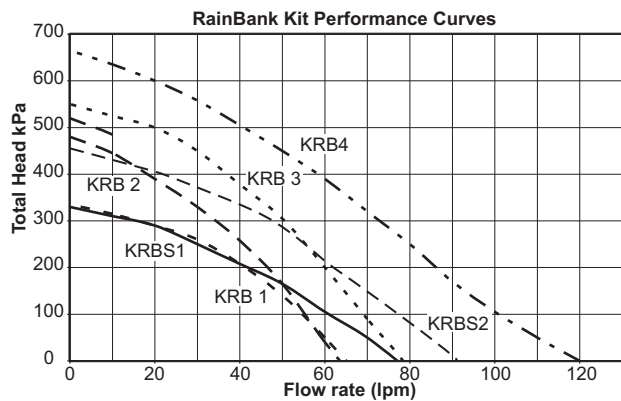
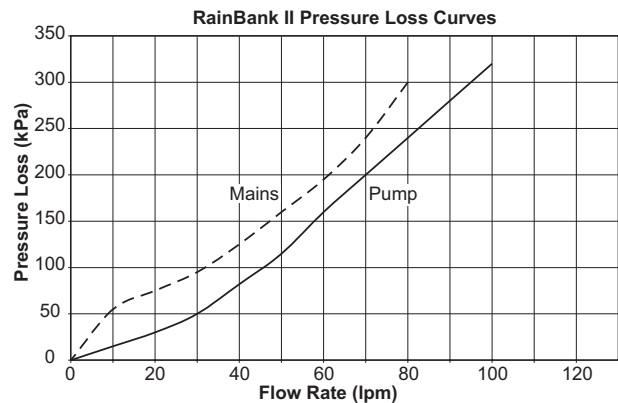
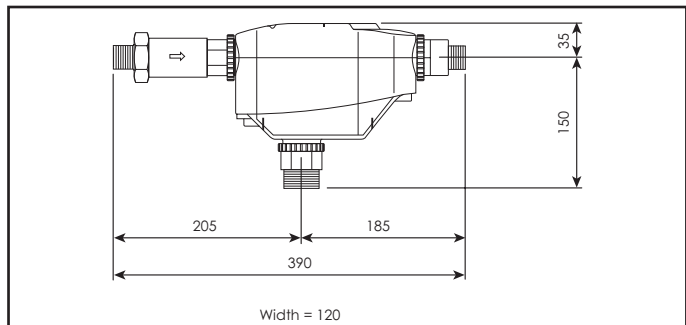
Complies with plumbing standards :

AS/NZS3500-1-2003 including provision of backflow protection when installed in compliance with product Installation & Operating Instructions.

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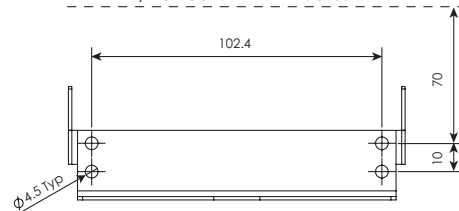
Must be installed by a licensed plumber.

## DIMENSIONS & PERFORMANCE



## OPTIONAL EXTRAS

P/No 13829 - Wall Bracket



All dimensions in mm unless otherwise stated.

This literature is not a complete guide to product usage. Further information is available from your Davey dealer, Davey Customer Service Centre and from the relevant product Installation and Operating Instructions. This data sheet must be read in conjunction with the relevant product Installation and Operating Instructions and all applicable statutory requirements. Product specifications may change without notice.

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Visit Davey on-line for further information  
[davey.com.au](http://davey.com.au)

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**WATER PRODUCTS**

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## MAXIMISE YOUR WATER SAVINGS

To get the highest possible water savings from your rainwater tank, connect RainBank® to appliances that use water everyday – even during wet weather; this will leave space inside your tank for the next rainfall. Davey recommends that appliances are connected in this order of priority: toilets, cold water for washing machines, and then garden taps. Or why not connect your whole house to rainwater – Davey offers simple and safe solutions for drinking rainwater.

### 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.

Check with Davey as you can easily run your whole house on rainwater including drinking water.

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

Available from:

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PROUD SUPPORTER OF  
**savewater.com.au**



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# GETTING A RAINTANK? DON'T FORGET A



DAVEY  
**RAINBANK**  
household water savings



## BUYING A RAINWATER TANK IS A START INVESTING IN A RAINBANK IS SMART

Seamlessly delivers rainwater to your toilets, laundry and gardens with automatic mains water back-up.

- **Market-leading flow rates and pressures** – ideal for irrigation systems, whole of house water supply, large toilet blocks and multi-storey homes.
- **Intelligence 'built-in'** to indicate rainwater source to help you comply with water restrictions.\*
- **Unrivalled dependability and innovative design** that have made Davey and RainBank® the industry leader in rainwater systems.

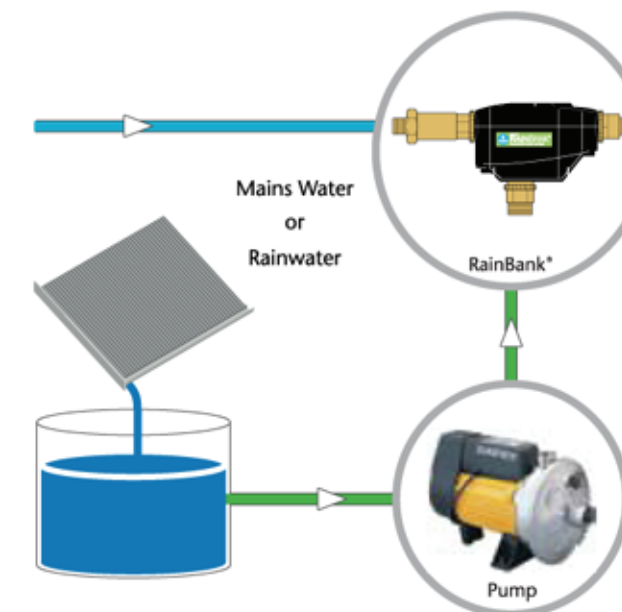
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DAVEY  
**RAINBANK**  
household water savings

Rainwater is a valuable resource that is essential to solving our water supply problems in our cities. A rainwater tank in your backyard would need to be very large to provide 100% of your water. Mains water backup to your tank and convenient control of the water is simple with a Davey Water Products RainBank®.



### RainBank® provides water even when:

- Rainwater has been exhausted
- There is no power to run pump
- Mains water is unavailable

RainBank® also saves energy by not re-pumping mains water.



Created by the experts at Davey Water Products, RainBank® is the original and now improved, best household water saving device in its field.

When fitted to your tank, its clever design will make your tank work more efficiently by directing the tank water where you want it to go.

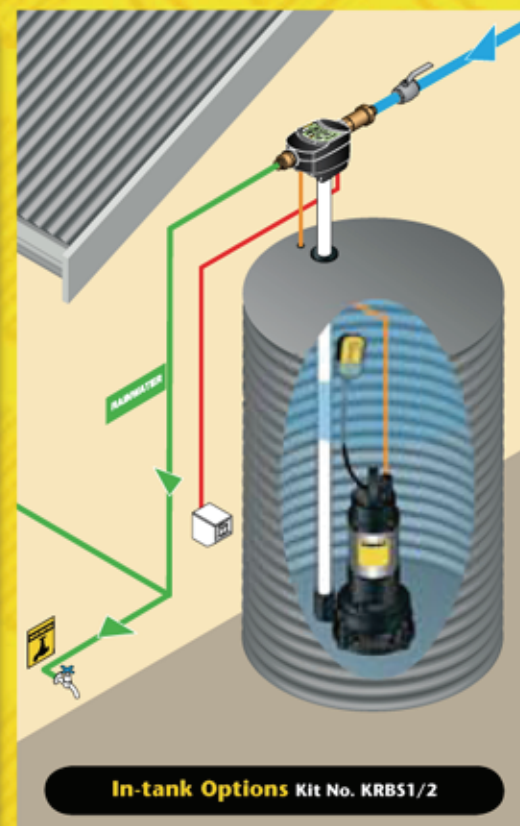
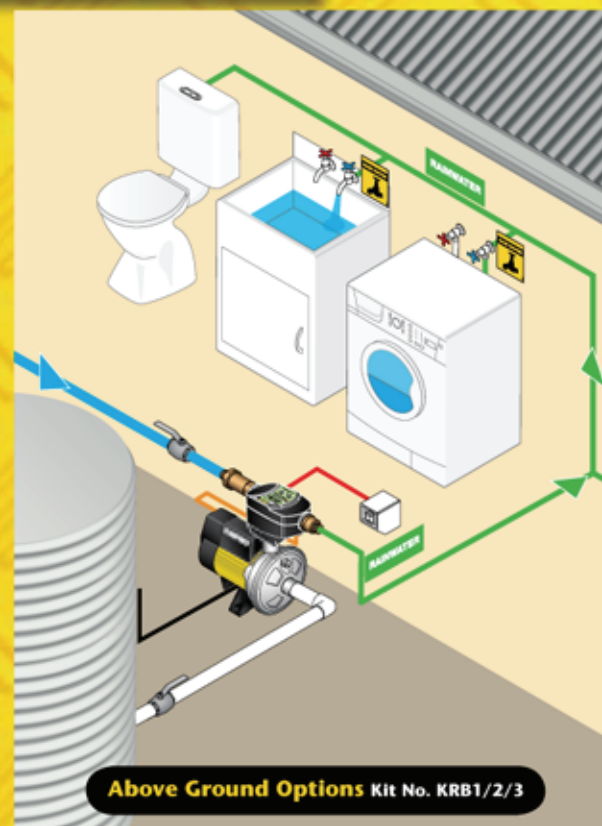
And, if the tank is low or empty, RainBank automatically switches to use mains water. It has even been designed to work in the event of a power shortage without the pump. So, think about it, if you are building a new home, renovating an old one, or just looking for ways to save water - speak to your builder or plumber about installing a RainBank®.

Market-leading and now improved RainBank®, is the smartest choice in rainwater harvesting controllers:

- **Designed and made by Davey**, an Australian owned company making dependable products in Australia for over 75 years.
- **Swivel barrel unions** at each pipe connection making installation easy.
- **High flow design** allows maximum pump performance for high efficiency delivery of water up to 100 litres per minute.
- **High efficiency design** allows for smaller pumps to be used, saving energy.
- **High pressure rating of 900 kPa** so mains pressure won't be limited. Maximum pump pressure 600kPa.
- **Supported** by a professional, trained service network.
- **Top and side tank entry float switches** included to suit all tank designs.
- **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.

\* Check regulations with your local council / water authority for rainwater:  
- use in hot water systems  
- backflow prevention requirements  
- garden watering restrictions / allowances

## TYPICAL LAYOUTS



## KIT PUMP OPTIONS

### Kit KRB1

HP45-05 pump – Australian made 2 stage, high quality, dependable stainless steel pump. The design provides low operating noise with high efficiency. Our most popular model.



### Kit KRB2

HS 50-06 pump – Australian made 4 stage, high quality, dependable stainless steel pump. The design provides low operating noise with high efficiency and extra pressure and flow for larger applications.



### Kit KRB3

HM 60-08 pump – Australian made 6 stage, high quality, dependable stainless steel pump. The design provides very large flows and pressures for irrigation systems and large double storey homes.



### Kit KRBS1

D42 A/B submersible 2 stage, high quality, dependable stainless steel, and plastic pump that goes inside your rainwater tank to eliminate noise and save space.



### Kit KRBS2

D53 A/B submersible 3 stage, high quality, dependable stainless steel and plastic pump, with double mechanical seals in an oil bath for higher pressure applications such as double storey homes and irrigation.



## KITS AVAILABLE – suitable for single and double storey homes

Outlets	Above Ground Options	In-tank Options	Typical Flow (litres per minute)
1 Toilet	KRB1	KRBS1	7
1 Toilet, 1 Laundry	KRB1	KRBS1	17
1 Toilet, 1 Laundry, 1 Garden Tap	KRB1	KRBS1	35
2 Toilets, 1 Laundry, 1 Garden Tap	KRB1	KRBS1	42
3 Toilets, 1 Laundry, 1 Garden Tap	KRB2	KRBS2	49
4 Toilets, 1 Laundry, 2 Garden Taps	KRB2	KRBS2	56
5 Toilets, 1 Laundry, 3 Garden Taps	KRB3	–	63
Up to 15 Toilets – Large Irrigation Systems	Contact Davey Customer Service – 1300 367 866		120



*"We hardly notice the rainwater tank and RainBank® system. However, what we have noticed is the big drop in our water bills. Using rainwater is definitely the way of the future."*