

RAIN HARVESTING

by Blue Mountain Co

Total Rain



Installation and Specification Guide

PRODUCT DETAILS

The ultimate all-in-one rainwater cleaning device to give you the best quality water.

Total Rain filters leaves from your downpipes and diverts the first flush in one product. It diverts the first 20L / 5 Gal and is perfect for medium catchment areas with low to moderate pollution.

Code	Size	Country
DDTR10	90mm	Australia
DDTR110	3"	USA
DDTR210	80mm	New Zealand
DDTR310	80mm	South Africa
DDTR410	90mm	India
DDTR510	68mm	UK

Installation

WHAT'S IN THE BOX?

- Leaf Eater Stream Rain Head
- Tee
- Carrot First Flush Diverter Chamber
- Carrot Upper Collar with O ring
- Carrot Lower Coupling
- Pipe Wall Brackets x 2
- Adaptors (DDTR110, DDTR210, DDTR310 & DDTR510 versions)

TOOLS/MATERIALS YOU MAY REQUIRE

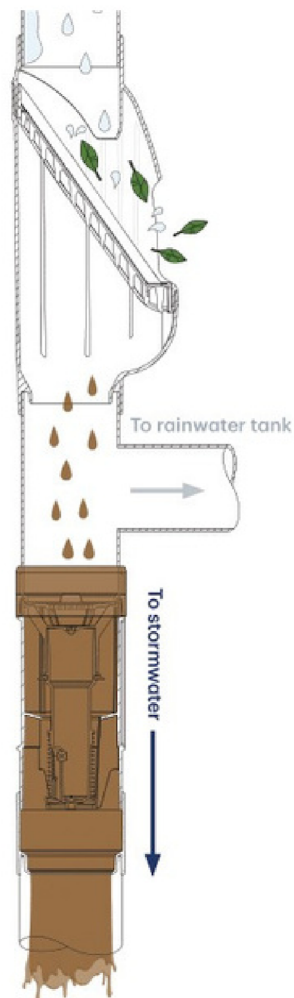
- Tape measure
- Marker pen
- Saw
- Solvent weld glue
- Screws
- Drill or screwdriver

HOW IT WORKS

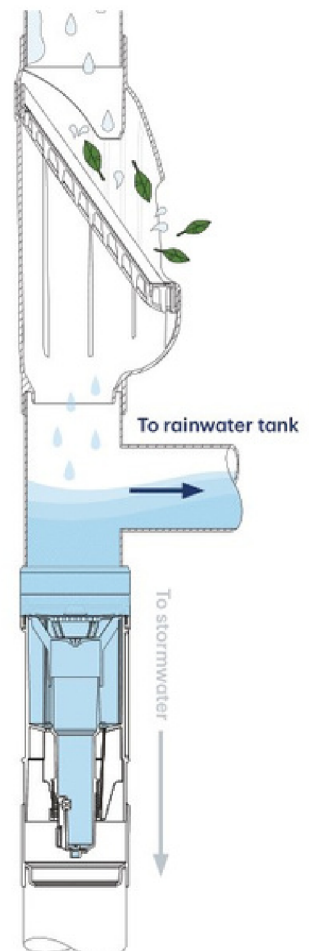
The Total Rain is an all-in-one solution which combines the sleek design of the Leaf Eater Stream rain head with the Carrot First Flush diverter.

The rain head filters leaves and debris while the first flush diverter diverts the most contaminated water from your roof away from your rainwater tank.

BEFORE CARROT IS ACTIVATED



AFTER CARROT IS ACTIVATED



INSTALLATION

1 - Determine the installation position for your Total Rain. This may be directly under your gutter/ eave or mid-way down your vertical downpipes. Wherever you choose to install it, your Total Rain screen must be a minimum of 500mm above your tank inlet and tank overflow pipe. Note that you should install your Total Rain in a location where you can access it easily for occasional maintenance.

2 - Select the orientation of the tee appropriate for your chosen installation point. The small end of the tee is designed to fit into the bottom of the rain head.

3 - Measure your existing downpipe and cut to create space for the Total Rain. Ensure all cut edges are clean and smooth.

4. An adaptor may be required for your inlet downpipe, please see the table below for instructions.

Country	Code	Pipe Size	Inlet Adaptor	Instructions
Australia	DDTR10	90mm	No Adaptor Required	N/A
	DDTR30	100mm	Use 100mm Slip Adaptor K0901	Slip fitting simply slip this adaptor into the top of the Total Rain (Do not use glue)
USA	DDTR110	3" SDR35	Use SDR35 Slip Adaptor K0946	Slip fitting simply slip this adaptor into the top of the Total Rain (Do not use glue)
		3" SCH40	No Adaptor Required	N/A
	DDTR130	4" SDR35	Use 4" SDR35 Adaptor K0901	Slip fitting simply slip this adaptor into the top of the Total Rain (Do not use glue)
		4" SCH40	No Adaptor Required	N/A
New Zealand	DDTR210	80mm	Use 80mm Slip Adaptor K0945	Slip fitting simply slip this adaptor into the top of the Total Rain (Do not use glue)
South Africa	DDTR310	80mm	Use 80mm Slip Adaptor K0945	Slip fitting simply slip this adaptor into the top of the Total Rain (Do not use glue)
UK	DDTR510	68mm	Use 68mm Adaptor K0920	Glue Adaptor to downpipe (do not glue to Total Rain)
EU	DDTR610	75mm	Use 75mm Adaptor K1300	Glue Adaptor to downpipe (do not glue to Total Rain)
	DDTR630	105mm	No Adaptor Required	N/A

INSTALLATION

5. An adaptor may be required for your stormwater outlet, please see the table below for instructions.

Country	Code	Pipe Size	Stormwater Adaptor	Instructions
Australia	DDTR10	90mm	No Adaptor Required	N/A
	DDTR30	100mm	No Adaptor Required	N/A
USA	DDTR110	3" SDR35	No Adaptor Required	N/A
		3" SCH40	No Adaptor Required	N/A
	DDTR130	4" SDR35	Use 4" SCH40 Adaptor K0901 & 4" SDR35 Adaptor K0909	Glue 4" SCH40 Adaptor to Downpipe, then Glue the 4" SDR35 Adaptor to the SCH40 Adaptor. (Do not glue to Total Rain)
		4" SCH40	Use 4" SCH40 Adaptor K0901	Glue 4" SCH40 Adaptor to Downpipe (Do not glue to Total Rain)
New Zealand	DDTR210	80mm	Use 80mm Socket Adaptor K0905	Glue Adaptor to downpipe (Do not glue to Total Rain)
South Africa	DDTR310	80mm	Use 80mm Socket Adaptor K0907	Glue Adaptor to downpipe (Do not glue to Total Rain)
UK	DDTR510	68mm	Use 68mm Adaptor K0920	Glue Adaptor to downpipe (Do not glue to Total Rain)
EU	DDTR610	75mm	Use 75mm Adaptor K1300	Glue Adaptor to downpipe (Do not glue to Total Rain)
	DDTR630	105mm	No Adaptor Required	N/A

6. Install your Carrot First Flush in place, first by sliding the Carrot Lower Coupling over your bottom section of downpipe, then installing the Carrot chamber into the Carrot Lower Coupling. Note that your carrot will come pre-assembled out of the box with Filling grommet A installed on the Carrot Filler Frame and Draining grommet 2 installed on the Carrot. The Wick blanking grommet will be installed as standard. This default setup is a good starting off point to reliably divert an average amount of water with a longer reset time.

7. Apply solvent weld glue to the Carrot Upper Collar and the lower socket of your tee and insert it firmly in place. Make sure that the line on the top face of the Upper Collar is pointing away from the wall so that there is enough room to install and remove the Carrot Diverter Chamber.

8. Make sure the O-ring is fully seated in the groove on the underside of the Upper Collar and screw the Carrot Diverter Chamber into position.

9. Remove the cover from your Leaf Eater Stream and slide it up the top pipe, holding it in position.

INSTALLATION

10. With the other hand, fit the Leaf Eater Stream body onto the small end of the tee, ensuring the outlet is seated firmly into position.

11. Slide the cover back down the top pipe and lower the bottom skirt into the corresponding channel between the screen and body.

12. Attach to the wall using the supplied brackets, supporting the unit until it is fully secured. The upper bracket should sit directly under the tee where it will hold the weight of the unit.

13. An adaptor may be required for your Clean Water Outlet to connect your Total Rain to your tank, please see the table below for instructions..

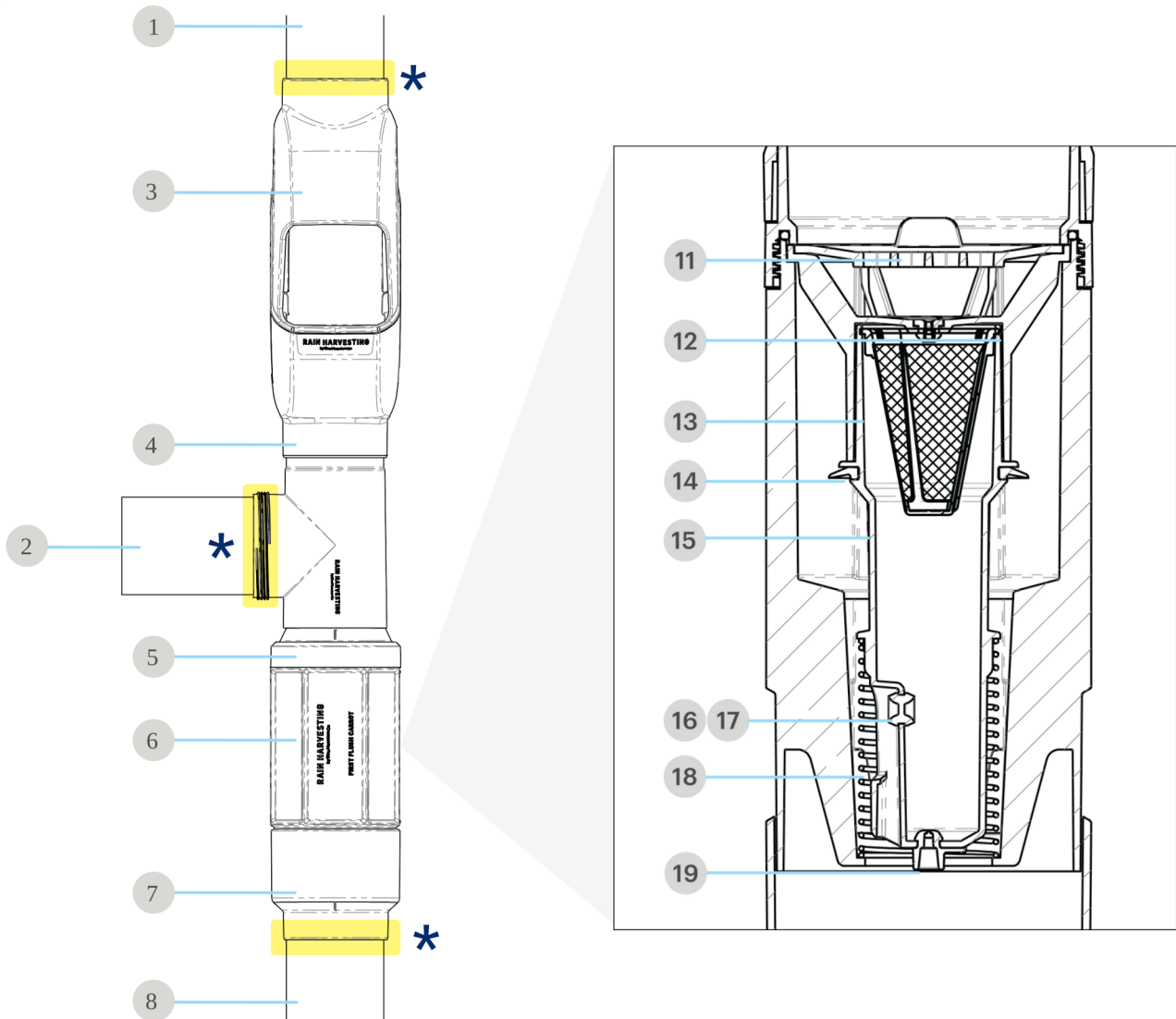
Country	Code	Pipe Size	Clean Water Outlet Adaptor	Instructions
Australia	DDTR10	90mm	No Adaptor Required	N/A
	DDTR30	100mm	No Adaptor Required	N/A
USA	DDTR110	3" SDR35	Use 3" SCH40 Adaptor K0903 & 3" SDR35 Adaptor K0908	Glue 3" SCH40 Adaptor to Clean Water Outlet, then Glue the 3" SDR35 Adaptor to the SCH40 Adaptor.
		3" SCH40	Use 3" SCH40 Adaptor K0903	Glue 3" SCH40 Adaptor to Clean Water Outlet
	DDTR130	4" SDR35	Use 4" SCH40 Adaptor K0901 & 4" SDR35 Adaptor K0909	Glue 4" SCH40 Adaptor to Clean Water Outlet, then Glue the 4" SDR35 Adaptor to the SCH40 Adaptor.
		4" SCH40	Use 4" SCH40 Adaptor K0909	Glue 3" SCH40 Adaptor to Clean Water Outlet
New Zealand	DDTR210	80mm	Use 80mm Socket Adaptor K0905	Glue 80mm Socket Adaptor to Clean Water Outlet
South Africa	DDTR310	80mm	Use 80mm Socket Adaptor K0907	Glue 80mm Socket Adaptor to Clean Water Outlet
UK	DDTR510	68mm	Use 68mm Adaptor K0920	Glue 68mm Socket Adaptor to Clean Water Outlet
EU	DDTR610	75mm	Use 75mm Adaptor K1300	Glue 75mm Socket Adaptor to Clean Water Outlet
	DDTR630	105mm	No Adaptor Required	N/A

INSTALLATION

16. Glue your pipework to your tank into the Clean Water Outlet

15. We recommend that for the first rainfall event you keep the default Filling and Draining grommets installed (Filling grommet A and Draining grommet 2). Once you have assessed the performance of the Carrot in your rainwater harvesting system, adjust the grommets to suit. Refer to the table in this guide for more information.

PART REFERENCE CHART



- 1 In-feed from the roof
- 2 Clean Water Outlet
- 3 Leaf Eater Stream Original rain head
- 4 Tee
- 5 Carrot Upper Collar with O-Ring
- 6 Carrot housing
- 7 Carrot Lower Slip Coupling
- 8 To stormwater
- 9 Carrot Flow Diffuser
- 10 Filling Grommet

- 11 Carrot Filler Frame
- 12 Carrot Seal
- 13 Carrot
- 14 Draining Wick with Grommet
- 15 Wick Blanking Grommet
- 16 Carrot Spring
- 17 Draining Grommets

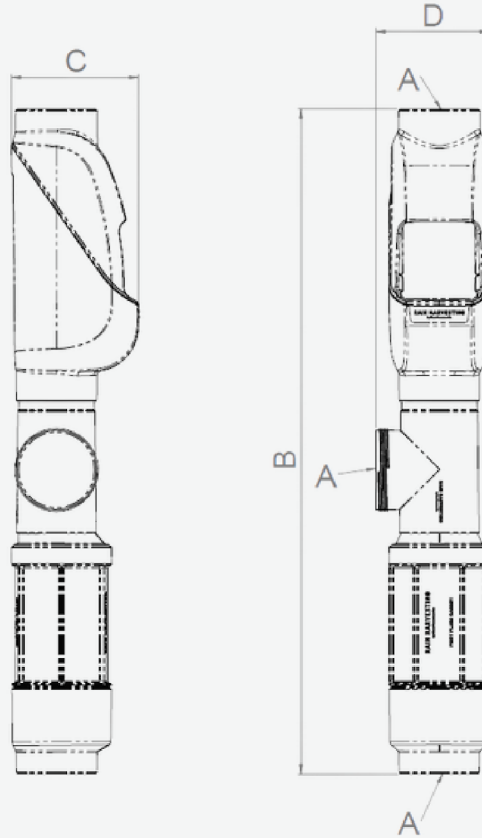
* Depending on your location, adaptors may be required. See the next page for details.

PART REFERENCE CHART - ADAPTORS REQUIRED

Country	Code	Pipe Size	Inlet Adaptor	Clean Water Outlet Adaptor	Stormwater Adaptor
Australia	DDTR10	90mm	No Adaptor Required	No Adaptor Required	No Adaptor Required
	DDTR30	100mm	Use 100mm Slip Adaptor K0901	No Adaptor Required	No Adaptor Required
USA	DDTR110	3" SDR35	Use SDR35 Slip Adaptor K0946	Use 3" SCH40 Adaptor K0903 & 3" SDR35 Adaptor K0908	No Adaptor Required
		3" SCH40	No Adaptor Required	Use 3" SCH40 Adaptor K0903	No Adaptor Required
	DDTR130	4" SDR35	Use 4" SDR35 Adaptor K0901	Use 4" SCH40 Adaptor K0901 & 4" SDR35 Adaptor K0909	Use 4" SCH40 Adaptor K0901 & 4" SDR35 Adaptor K0909
		4" SCH40	No Adaptor Required	Use 4" SCH40 Adaptor K0909	Use 4" SCH40 Adaptor K0909
New Zealand	DDTR210	80mm	Use 80mm Slip Adaptor K0945	Use 80mm Socket Adaptor K0905	Use 80mm Socket Adaptor K0905
South Africa	DDTR310	80mm	Use 80mm Slip Adaptor K0945	Use 80mm Socket Adaptor K0907	Use 80mm Socket Adaptor K0907
UK	DDTR510	68mm	Use 68mm Adaptor K0920	Use 68mm Adaptor K0920	Use 68mm Adaptor K0920
EU	DDTR610	75mm	Use 75mm Adaptor K1300	Use 75mm Adaptor K1300	Use 75mm Adaptor K1300
	DDTR630	105mm	No Adaptor Required	No Adaptor Required	No Adaptor Required

Product Specifications

Total Rain



Country	Code	A	B	C	D
Australia	DDTR10	90 F	795	153	136
	DDTR30	100 F	900	186	159
USA	DDTR110	3" F	31.75"	6.01"	5.46"
	DDTR 130	4" F	36.61"	7.32"	6.26"
New Zealand	DDTR210	80 F	830	153	161
South Africa	DDTR310	80 F	830	153	161
UK	DDTR510	68 F	838	153	157
EU	DDTR610	75 F	840	153	159
	DDTR630	105 F	921	186	180

Fitting guide:

F = Female / Socket Fitting

M = Male / Spigot Fitting (Pipe size)

IP = In-Pipe Fitting

Maintenance

It is important to periodically unscrew the Carrot Diverter Chamber and check the unit is functioning properly. Check that the outlet grommet has not become blocked. Also check that the spring is functioning correctly and all the internal seals are seated properly.

To clean your Leaf Eater Stream Original, simply slide the cover up your inlet pipe to access the mesh screen. You can either keep the screen in place and brush off the debris, or remove the screen entirely to clean it more thoroughly.

After cleaning, replace the screen into the body, making sure the it is evenly seated. Replace your Original cover by lowering it into position so that the lower skirt sits in the gap between the screen and the body.



A common misconception about collecting rainwater is that all you need is a roof, a tank and some rain. This 'tanking' approach cannot always be relied on to deliver the volume – or quality – of water that you require. That is where we can help.

With some thought, your rain harvesting system can provide you with cleaner water and lots of it. Whether you're completely reliant on tank water or wanting to keep the garden green, our simple steps will help you achieve your goal.

The Rain Harvesting approach to rainwater collection involves using tested and proven products to make quality rainwater available for use in and around your property. You don't need much to get started and you will be surprised how easy it is to get the most out of your rainwater system.

[How can we help you?](#)

DISCLAIMER This product specification is not a complete guide to product usage. Further information is available from Rain Harvesting Pty Ltd and from the installation and Operating instructions. This specification sheet must be read in conjunction with the installation and Operating Instructions and all applicable statutory requirement. Product specifications may change without notice. © Rain Harvesting Pty Ltd

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For more information or to find out
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Or visit our website at

rainharvesting.com