



RainDirector® Quick Install Guide

The Rain Director Gravity Feed System For House & Garden with F-Line Tanks

1. Tank: F-Line single piece shallow dig tank.
2. HydroForce Series 4 Pump: Supplied with 25mm outlet connector, must be primed before use. See comprehensive pump manual.
3. Rain Vantage Self-Cleaning Filter: Pre-Fitted.
4. Overflow Pipe: Making sure that there is sufficient fall to encourage flow to the soakaway.
5. Black & Green HDPE Pipe: Running from the pump to the property using 4-inch service duct.
6. Refresh pipe: Plumbed from Control Unit to underground tank.
7. Outside Tap: Must be plumbed directly from the pump. See plumbing schematic in the Rain Director installation manual.
8. Rain Director Control Unit: When fitting the control unit, install the pipe allowing sufficient movement for the removal of the solenoids.
9. Mains Water Supply: Running from the control unit to the Smart Header Tank.
10. Gravity Feed Pipework: Services and header tank feed.
11. Smart Header Tank: Must be a minimum of 1.2m above the control unit and highest appliance.



Use this System For:

- Toilets
- Washing Machines
- Garden Irrigation
- Vehicle Washing

SYSTEM COMPONENTS

1. Rain Director control unit
 2. HydroForce pump
 3. Smart header tank
 4. F-Line Tank with Filter
 5. F-Line Walk on Lid
 6. F-Line 635mm Extension Shaft
- Comprehensive user guide and installer manuals
 - Green & Black HDPE pipe
 - Cat5 cable
 - Tank pipe

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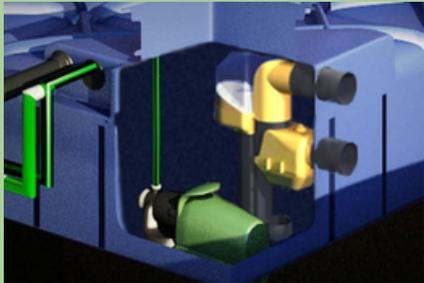
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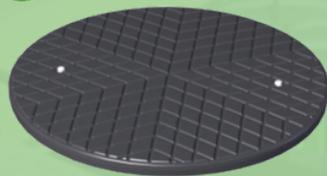
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IMPORTANT NOTES ON INSTALLATION

Tank

- **Make sure your underground tank is kept clean and free of debris.**
- Do not use the pump supplied to empty a dirty underground tank.
- Do not use open gullies or P Traps.

Control Unit

- Mount the control unit to the wall in a dry, frost free area such as in a utility room or where mains water is available, at least 1.2 metres below the bottom of the header tank.
- When fitting the control unit install the pipe allowing sufficient movement for the removal of the solenoids.

Pipework

- Avoid sharp bends, inverted U's and any upward gradients in your pipework.
- For further plumbing schematics and installation of pipework please see installation manual, provided with the control unit.
- Flush through your pipework before connecting the control unit.
- Use 22mm pipework from header tank to appliances to aid flow.
- Internal pipework must be labelled to identify rainwater.

Smart Header Tank

- Select an accessible part of the roof space, as you might need access to the header tank.
- The header tank must be fitted at least 1.2 metres above the highest appliance. The higher the tank, the better the pressure.
- When installing keep the header tank clean & clear of debris.
- The cat 5 data cable must be installed as provided and not be cut.
- The 40mm overflow pipe **must** flow directly to the outside of the property.

Pump

- Pump priming: It is essential that the pump is primed before use. See pump installation manual supplied with the pump.
- Connect the outlet connection using rainwater marked pipe of diameter between 25mm or 32mm.
- The vertical rainwater pipe should be the right length so that a 90° elbow (supplied) in the turret is at the level of the 4 inch service pipe in which the rainwater pipe is fed to the building.
- It is recommended to place an electrical connection into the highest point of the turret for easy quick maintenance, IP66 rated or better connection box or socket must be used, not supplied.
- For further instruction on priming and installation of the pump and how it functions please see the manual provided.

For more details installation instructions please see the install guides supplied.