

## Rainwell Waterseat

Integral to the Rainwell Waterseat's operation is the Rainwell RFD - a downpipe device that filters and expels debris from roof rainwater and diverts cleaned rainwater to storage tanks and waterway ecosystems:

- Self-cleaning filter expels debris to prevent pipe blockages, improve water quality and minimise maintenance
- Diversion arrangement controls the Waterseat's filling and overflow function with a single pipe; making installation easier and more cost effective, especially when positioning the Waterseat away from the building.

### Location

The Waterseat must be on a solid level base and able to support the Waterseat (400l - full 460kg) , plus the weight of people. A concrete slab or decking is recommended and should be constructed in accordance with local building regulations.

### Operation

Critical to the installation procedure is the correct positioning of the Rainwell RFD's operating height on the downpipe. The RFD's operating height is determined by a horizontal level from 355mm above the Waterseat location base to the downpipe.

A laser or optical level can be used to make a horizontal level from the Waterseat location to the downpipe, or follow the method below:

### Horizontal Level

- a. You will need two people, a tape measure and a garden hose with 100mm clear tubes fixed at both ends - filled with water with a small air gap
- b. With thumbs over the garden hose ends, take one end to the Waterseat location with the tape measure and the other end to the downpipe
- c. At the Waterseat location, measure 355mm up from the location base and position the clear section of hose near the 355mm mark
- d. At the downpipe, move the garden hose up or down until the water level at the Waterseat location is level to the 355mm height mark, then mark the downpipe at the water level to create a horizontal level.

### Downpipe Preparation

1. Create a horizontal level mark on the downpipe.
2. Ensure an area of 560mm above and 70mm below the horizontal level mark is available on the downpipe
3. Cut the downpipe at the horizontal level mark and 470mm above
4. Clean burs and coat edges with rust prevention paint
5. Slide the RFD into the upper portion of the downpipe, then position into the lower portion
6. Secure the downpipe above and below the RFD with straps, and if required, use the spacers provided.

### Connection

Rainwell RFD: Joining 3, 90mm 90° M/F elbows to the RFD connecting pipe flange will enable a vertical pipe alongside the downpipe, or horizontally against the wall.

Rainwell Waterseat: A 90mm 90° M/F elbow fitted to the Waterseat's tank flange will enable connection behind the access door and through the side opening (1), or below ground (2).

Note. The Waterseat is available with either left, or right hand side access doors, the connection flange is located at the top rear of the tank on the door sides. To make connection easier, choose a Waterseat with an access door convenient to the RFD location.

Ensure all pipe joins are sealed and installation complies with local regulatory authority requirements.

