

Directional Pond Return (DPR) Fitting Instructions

The Directional Pond Return is supplied in separate imperial and metric versions. Before installation, identify the version supplied and the PVC pressure pipe size being fitted.

Rear connection

The rear socket is designed for solvent welding to compatible PVC pressure pipe in the sizes shown below. Use a suitable PVC pressure pipe solvent cement.

Choose the correct version

Imperial version

Suitable for 1½" and 2" PVC pressure pipe.

1½": Use the DPR as supplied.

2": Remove the top section along the moulded cutting line.

Metric version

Suitable for **50mm** and **63mm** PVC pressure pipe.

50mm: Use the DPR as supplied.

63mm: Remove the top section along the moulded cutting line.

Important: The imperial and metric versions are not interchangeable. A 2" imperial pipe and a 63mm metric pipe are different sizes. Make sure the correct DPR version is selected for the pipework.

Preparing the DPR

Pipe size	Preparation required
1½" imperial	Use as supplied.
2" imperial	Using a fine tooth saw, remove the top section along the moulded cutting line. Cut to the profile shown on page 2.
50mm metric	Use as supplied.
63mm metric	Using a fine tooth saw, remove the top section along the moulded cutting line. Cut to the profile shown on page 2.

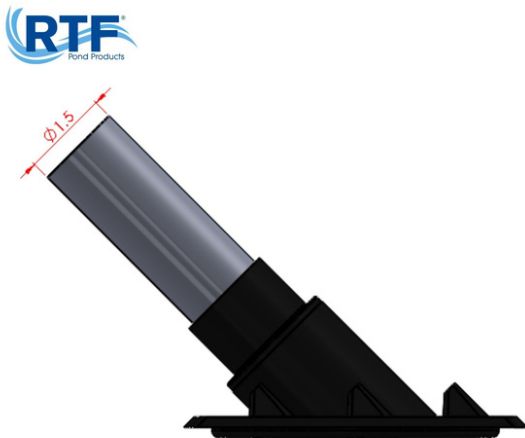
After cutting the 2" or 63mm version, remove any burrs or rough edges before fitting the pipe.

Assembly drawings

The drawings show the finished arrangement for each pipe size.

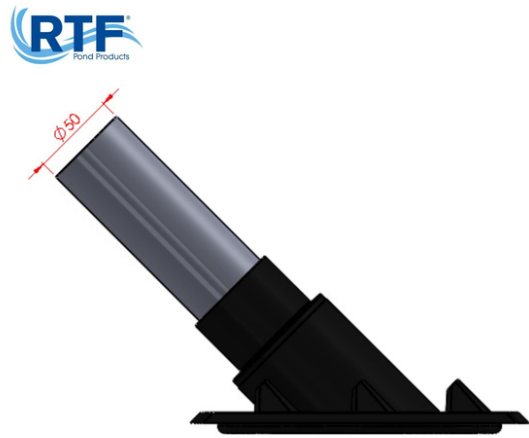
Only the 2" imperial and 63mm metric versions require the top section to be removed.

Imperial 1½" - Use as supplied



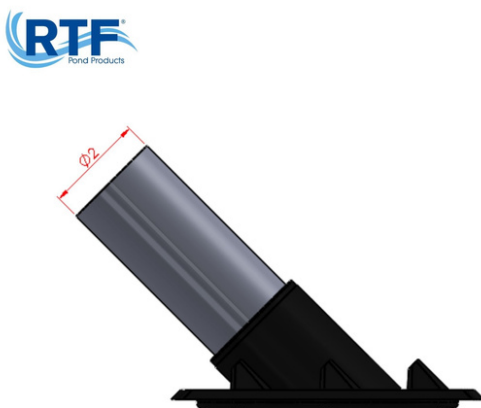
Directional Pond Return 1½" Final Assembly

Metric 50mm - Use as supplied



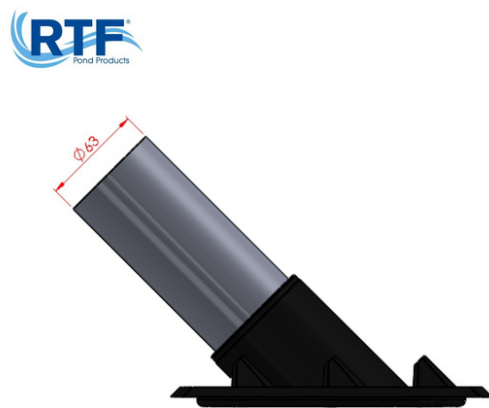
Directional Pond Return 50mm Final Assembly

Imperial 2" - Cut to the profile shown



Directional Pond Return 2" Final Assembly

Metric 63mm - Cut to the profile shown



Directional Pond Return 63mm Final Assembly

Cutting note: Use a fine tooth saw and follow the moulded cutting line.
Ensure the cut is clean and square, then remove all burrs before solvent welding the pipe.

Installation

Complete the preparation for the selected pipe size before starting the installation.

- 1** Prepare the Directional Pond Return for the required pipe size by following the instructions and assembly drawings on pages 1 and 2.
- 2** Dry fit a suitable length of PVC pressure pipe into the rear socket. The pipe should be at least 1.5 times the thickness of the pond wall.
- 3** Position the Directional Pond Return at the required height, direction and angle.
- 4** Build the pond wall around the pipe, leaving sufficient space to allow the Directional Pond Return to be removed and refitted if required.
- 5** Check that the Directional Pond Return is correctly positioned and that the pipe fits securely into the rear socket.
- 6** Solvent weld the pipe into the Directional Pond Return using a suitable PVC pressure pipe solvent cement.
- 7** Allow the solvent cement to cure fully in accordance with the manufacturer's instructions before continuing with the installation.

Sealing the pond

Glass reinforced plastic (GRP)

When sealing the pond with GRP, treat the surface of the Directional Pond Return with **Microseal T20**. This will improve the bond between the DPR and the GRP.

Pond liner

When using a pond liner, fit the Directional Pond Return in the same way as a standard tank liner connector. The screw bosses in the DPR are blind, preventing mortar from entering the screw holes from the rear of the fitting.

Final check: Confirm that the selected DPR version matches the pipe system before applying solvent cement. Do not attempt to fit 2" imperial pipe into the 63mm metric version, or 63mm metric pipe into the 2" imperial version.