

StormFilter®

Installation Guide



Stopping Pollution Entering Waterways



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Introduction

This document outlines the installation process for Ocean Protect's StormFilter® cartridge system.

This document does not include any details relating to OH&S procedures or requirements related to cartridge installation. It is recommended that all personnel performing installation activities evaluate their own requirements for the compliance with relevant industry regulations and guidelines.

Components

The following components are supplied by Ocean Protect with all StormFilter® cartridge purchases:



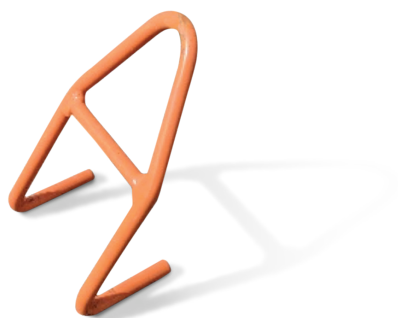
StormFilter® cartridge



Flow restrictor disc
(one per cartridge)



Quarter turn connector
(one per cartridge)



Lifting hook

In addition to the above components supplied by Ocean Protect, you will require **high pressure PVC cement solvent** in order to complete the installation.

Installation Procedure

StormFilter® cartridge installation typically involves the steps outlined below. Installation activities should occur during dry weather and, depending on site specific conditions, it might be necessary to block the inlet pipe to prevent flow entering the chamber during installation. Additionally, the StormFilter® chamber should be cleaned and dewatered prior to commencing installation.

- 1 Referencing the site specific shop drawing (provided by Ocean Protect) locate the cartridge connection point(s)
NOTE: the connection point will be sealed with a yellow cap



- 2 Remove the cap either by hand or by utilising a prying tool
Once the cap is removed it will reveal the connection point to the underdrain manifold pipework



- 3 Insert a **flow restrictor disc** into connection point



- 4 Apply **high pressure PVC cement solvent** to quarter turn connector and solvent primer to connection point



- 5 Insert the **quarter turn connector** into the connection point



- 6 Apply even pressure to the **quarter turn connector** until it sits flush against the chamber floor – if required, a small timber block and hammer can be utilised to ensure the connector is flush



- 7 Repeat steps 3 – 7 for each cartridge location

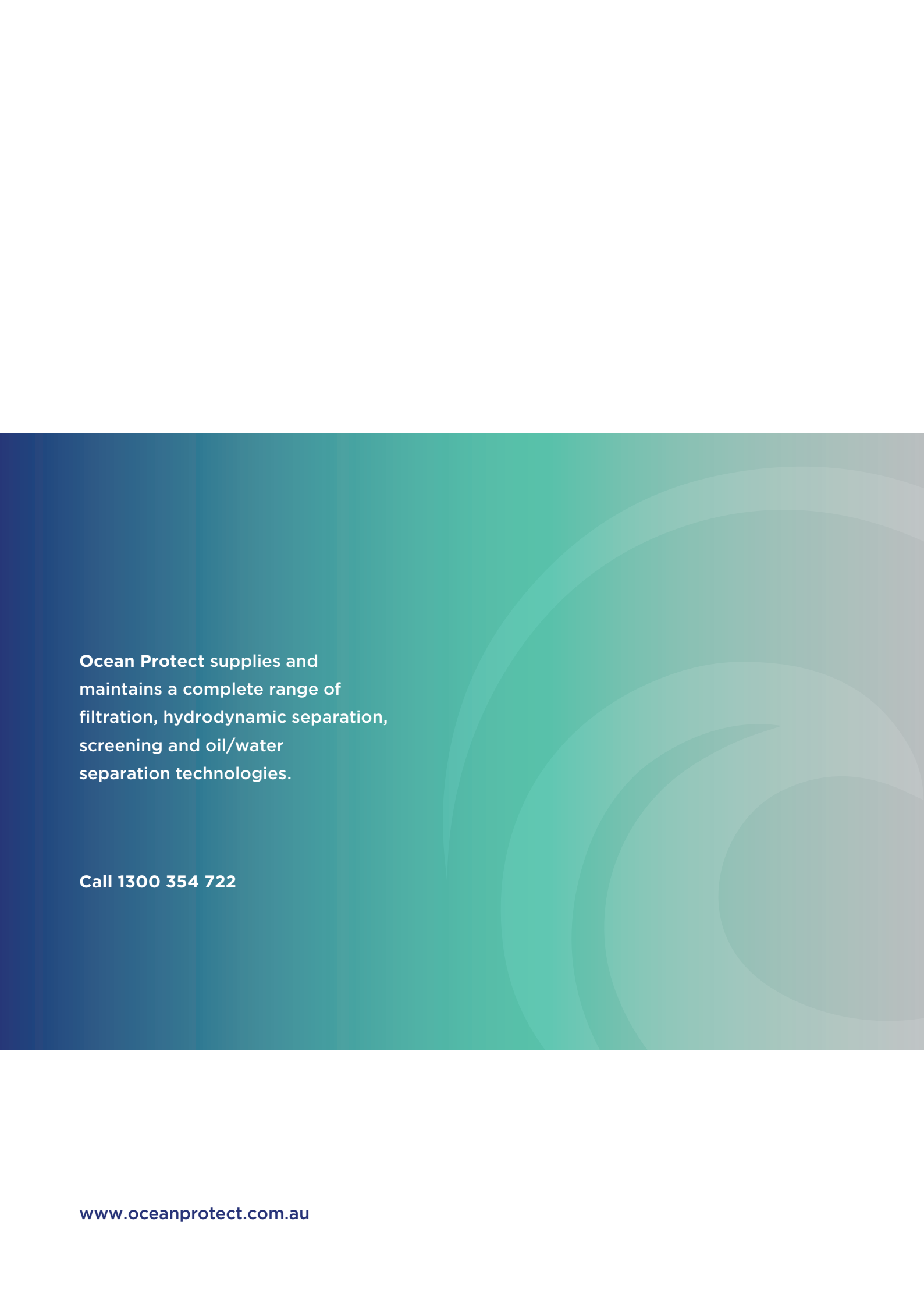
- 8 Utilising the supplied **lifting hook**, lower the cartridge into the chamber



- 9 Lower the centre of cartridge onto the **quarter turn connector**, once on the connector rotate the cartridge until it locks (audible click)



- 10 Repeat steps 8 – 9 for each **StormFilter®** cartridge



Ocean Protect supplies and maintains a complete range of filtration, hydrodynamic separation, screening and oil/water separation technologies.

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