

# Approval Certificate

## Trade waste pre-treatment product

**Applicant:** Eclipse Environmental Australia Pty Ltd  
**Postal address:** 85 Victoria St, SMITHFIELD, NSW, 2164.

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**Manufacturer:** Eclipse Environmental Australia Pty Ltd  
**Address:** 85 Victoria St, SMITHFIELD, NSW, 2164, AUSTRALIA

### Product/Device Description

Eclipse Environmental oil-water plate separators are designed to reduce oil contaminated water (typically found from automotive industries, marinas, storage/truck terminals, hire companies and wash down bays). The Eclipse separators are cross-flow interceptor units that incorporate plate packs that can be cleaned in-situ and do not require removing during normal maintenance.

Units can be supplied in three standard models (HYD1000S at 1000L/h, HYD3000S at 3000L/h and HYD5000S at 5000L/h). The fibreglass corrugated plates are set at 60 degrees.

All units are manufactured from 304 stainless steel with fibreglass corrugated separation plates and are designed to operate with diaphragm pumps.

The approval certificate applies to the pre-treatment devices of the following sizes:

Approval Number	Model	Coalescing Medium	Plate Packing Arrangement (mm)	Max Flow Rate	Pump Type	Inlet / Outlet Diameter (mm)
AN-053-01	HYD1000S	FCP* at 60° angle	(530 x 520) x 13 plates	1000 L/h	Eclipse DP25 25mm diaphragm pump (50 strokes/min)	25 / 50
AN-053-02	HYD3000S	FCP* at 60° angle	(900 x 520) x 39 plates	3000 L/h	Eclipse DP40 40mm diaphragm pump (50 strokes/min)	40 / 50
AN-053-03	HYD5000S	FCP* at 60° angle	[(900 x 520) x 39 plates] x 2 packs	5000 L/h	Eclipse DP50 50mm diaphragm pump (50 strokes/min)	50 / 65

\* FCP – fibreglass corrugated plates

### Special Conditions of Approval

1. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
2. The product shall be *installed* strictly in accordance with the manufacturer's written instructions and the *Plumbing Standards*, with particular emphasis on the following:
  - a. Oil water separators must be installed in a bunded area and connected back to the pump pit.
  - b. A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
  - c. The outlet pipe must be plumbed via a tundish that is separate and upstream to the TWSP.
3. A site specific *maintenance* schedule is to be in place for each installation to ensure the ongoing reliability of the product. This maintenance schedule must be supplied to Water Corporation at the time the *Trade Waste Permit* application is made by a customer to discharge trade waste to sewer.
4. Water Corporation must be notified within fourteen (14) days upon installation of the product
5. The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
6. The product chosen must be suitably sized to avoid surge conditions.
7. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
8. This approval certificate is not an endorsement of the product by Water Corporation, and no claim shall be made in advertising, promotion or other manner to the effect.
9. Water Corporation accepts no responsibility for the effective operation, performance or efficiency of the product.
10. The proponent of the approved product must formally seek a request for re-approval of the product no later than three (3) months before the assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.

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### Special Conditions of Approval (continued)

11. Water Corporation reserves the right to vary any requirements at any time. Any application of this condition normally occurs after consultation with the manufacturer, supplier and end business user connected to Water Corporation's sewer.
12. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
13. The proponent of the approved product accepts that the information provided in this document shall be made publically available.

### General Conditions of Approval

Approval shall be **suspended** where any of the following conditions are not met:

1. The assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.
2. The product shall be manufactured in accordance with Water Corporation's requirements at the time of approval.
3. The product shall be manufactured to comply according to the details noted in **Installation, Operation and Maintenance Manual** (version 1.7 March 2014) in addition to any further details provided by the proponent when seeking this approval.
4. The product supplied for use in Water Corporation's area of operations shall comply with the requirements shown on this approval certificate. Sizes, classes, lengths or other product variables which are available with the product but which are not approved as listed on this approval certificate shall not be offered by the supplier for use in Water Corporation's area of operations.
5. All discharges to sewer associated with this product must not exceed Water Corporation's *Trade Waste Acceptance Criteria*.
6. Prior to any business (which is connected to Water Corporation's sewer) installing this product the business must apply to Water Corporation for a *Trade Waste Permit* for approval to discharge.
7. If this certificate has been issued to the manufacturer of this product then it is the responsibility of the manufacturer to ensure all current and future suppliers / vendors of this product are provided a copy of this approval certificate.

Approval shall be **reviewed** where any of the following conditions occur:

1. The product is manufactured with either different materials, methods of manufacture, location of manufacture, source of raw materials, component subcontractors or models to that at the time of approval.
2. The ownership of the primary manufacturer or any subcontractors is varied from that at time of approval.
3. The standards and/or specifications to which the product was required to comply with at the time of approval have been amended or revised.
4. The product has been found to sustain damage or provide unsatisfactory performance on occasions of number considered excessive by Water Corporation, when handled, stored, assembled or installed in accordance with the supplier's or manufacturer's written instructions.

#### Approved Drawing(s):

CAD drawings numbers:

- 10953 (Rev 0) – HYD1000S
- 10951 (Rev 0) – HYD3000S
- 10952 (Rev 0) – HYD5000S

#### Authorising person:

Steve Jerkovic (Supervisor Investigations)

#### Date issued

14 April 2016

#### Validity period:

Five (5) years