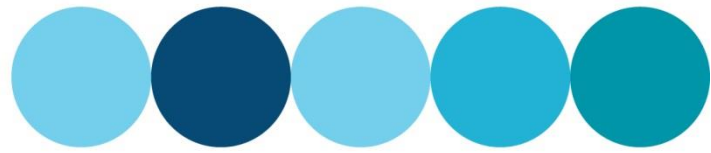


Approval certificate

Trade waste pre-treatment product



Applicant: Enviroconcepts International Pty Ltd

Postal address: PO Box 6664 GCMC Qld 9726

Manufacturer: Enviroconcepts International Pty Ltd

Address: PO Box 6664 GCMC Qld 9726

Attention: Mike Lambert

Web: www.enviroconcept.com.au

Email: info@enviroconcept.com.au

Product description

Enviroconcepts International manufactures *Oil Water Separators* (ECOWS – Stainless Steel Bodied horizontal plate stack separators), *Continuous Media Separators* (CMS – Stainless Steel Bodied Automatic Sedimentation Filter) and *Solids Interceptor Oil Separators* (SIOS – comprising diaphragm pump, ECOWS and CMS or settling tank) which are packaged systems designed for removal of suspended solids and oil/grease from wash bay and motor vehicle type industries.

The SIOS systems can collect wastewater from a wash pad gutter or underground sump pit into a CMS or solids interceptor tank to settle most of the suspended solids. The clarified wastewater gravity flows to the oil water separator to remove oils and grease. Treated wastewater is discharged by gravity as trade waste to sewer and the settled solids are drained back to the gutter or in-ground pit for collection and disposal.

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

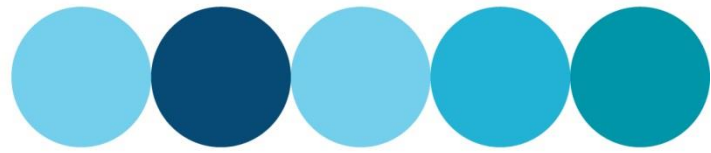
Approval Number	Model	Max Flow Rate (L/h)	Pump Type	Inlet Diameter (mm)	Outlet Diameter (mm)	
					Oil	Water
AN-042-02	SIOS-025	1,380	Diaphragm ASM DS25	25	25	50
AN-042-03	SIOS-030	1,800	Diaphragm ASM DS32	32	25	40
AN-042-04	SIOSTM-030	1,800	Diaphragm ASM DS32	32	25	40
AN-042-05	ECOWS-030	1,800	Diaphragm ASM DS32	40	25	40
AN-042-06	ECOWS-050	3,000	Diaphragm ASM DS38	40	25	40
AN-042-07	ECOWS-100	6,000	Diaphragm ASM DS50	50	40	50

Special conditions of approval

- The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance, namely:
 - Oil Water Separator Operating Manual ECOWS-030, -050 and -100 (Rev 2, published 17 Sep 2018)
 - SIOS Discharge System with Wash Bay
 - SIOS-030 Operating Manual (Rev 1, published 17 Sep 2018)
 - SIOSTM-030 Operating Manual (Rev 1, published 17 Sep 2018)
- The product shall be *installed* strictly in accordance with the manufacturer's written instructions and the *Plumbing Standards*, with particular emphasis on the following:
 - The product chosen must be suitably bunded with a bund capacity equal to or greater than the total volume held within the SIOS skid mounted treatment system. This is to avoid environmental overflow should a critical pump or plumbing failure occur.
 - Where an underground sump pit is used then the skid mounted SIOS system must be located within a bunded area with the size of the collection pit being equal to or greater than the total volume held within the SIOS skid mounted treatment system. The bunded area must drain back to the underground sump pit.
 - A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
 - The outlet pipe must be plumbed via a tundish that is separate and upstream to the TWSP.
 - Solids exiting the settling tank must not be drained to sewer. The settling tank must be serviced via the use of the wash bay gutter system (where installed).
- This approval certificate is not a stand-alone document and **must be read** in conjunction with Water Corporation's *Typical Drawings for Trade Waste*:
 - [Coalescing Plate Separator \(HX33-12-10\)](#)
 - [Trade Waste Sampling Point \(HX33-11-30\)](#)
- A maintenance contract is to be in place to ensure the ongoing reliability of the product. Enviroconcepts International (or their delegate) must service the products not less than every six (6) months.
- Water Corporation must be notified within fourteen (14) days upon installation of the product.

Approval certificate

Trade waste pre-treatment product



Special conditions of approval (continued)

6. The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
7. The product chosen must be suitably sized to avoid surge conditions.
8. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
9. 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.
10. Water Corporation accepts no responsibility for the effective operation, performance or efficiency of the product. This approval is not an engineering approval or structural endorsement.
11. 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.
12. 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.
13. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
14. 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. If there is a breach of the Special Conditions.
2. The assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.
3. The product shall be manufactured in accordance with Water Corporation's requirements at the time of approval.
4. The product shall be manufactured to comply according to the details noted in Special Conditions #1, in addition to any further details provided by the proponent when seeking this approval.
5. 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.
6. All discharges to sewer associated with this product must not exceed Water Corporation's *Trade Waste Acceptance Criteria*. Where the discharge *has* or is *likely* to exceed the *Trade Waste Acceptance Criteria* then the Corporation may direct a *specific* or *ongoing* maintenance requirement to be followed.
7. 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.
8. 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. It is the responsibility of the proponent to immediately advise Water Corporation of any changes to the proponent's drawings and installation, operation and maintenance manuals made at the time of approval.
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): SIOS-030 Operating Manual (Rev 2)
SIOSTM-030 Operating Manual (Rev 2)
ECOWS-030 / 050 / 100 Oil Water Separator Operating Manual (Rev 2, dated 18 Sep 2018)

Authorising person: Stephen Jerkovic (Team Leader – Investigations)

Date issued 14 Sep 2020

Validity period: Five (5) years