

Approval Certificate

Trade waste pre-treatment product

Applicant: Cleanawater
Postal address: 40 Latitude Boulevard, Thomastown, VIC 3074
Manufacturer: Cleanawater
Address: 40 Latitude Boulevard, Thomastown, VIC 3074

Attention: Adam Laurie
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Product/Device Description

Cleanawater provides two makes of packaged hydrocyclone separators, the **DEOIL3** and the **DEOIL5**. Both makes can be supplied with either air or electric systems control.

Hydrocyclone separation works by pumping oily water tangentially into the large diameter end of a separator vortex. The spinning vortex accelerates as it moves down the tapered tube whereby the heavier water is flung and separated to the outside of the wall while the lighter oil moves to the centre. The separated oil is removed at the separator end while the treated water is removed at the other end of the separation tube.

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

Approval Number	Make	Model	Nominal Flow (L/h)	Temp Rating (°C)	Materials of Construction		Dimensions (mm) of reclaim system			Pump Type	
					Unit ¹	Tank ²	L	W	H	Option 1	Option 2
AN-054-01	DEOIL3	Air	3,000	0 to 50	SS ³	PE ⁴	1,169	1,169	1,682	RAN D25 P1 Air Double Diaphragm 1"	ARO 1" Air Double Diaphragm
AN-054-02	DEOIL5	Air	5,000	0 to 50	SS	PE	1,169	1,169	1,680	RAN D25 P1 Air Double Diaphragm 1"	ARO 1" Air Double Diaphragm
AN-054-03	DEOIL3	Electric	3,000	0 to 50	SS	PE	1,169	1,169	1,727	Helical Rotor Mono Pumps C2XA	Helical Rotor Roto Pumps RDCA512
AN-054-04	DEOIL5	Electric	5,000	0 to 50	SS	PE	1,169	1,169	1,727	Helical Rotor Mono Pumps C15A	Helical Rotor Roto Pumps RDCA532

1: Includes sleeve, strainer and liner

2: Waste oil decant tank

3: 316 stainless steel

4: Polyethylene

Special Conditions of Approval

- The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
- The product shall be *installed* strictly in accordance with the manufacturer's written instructions and the *Plumbing Standards*, with particular emphasis on the following:
 - Oil water separators must be installed in a bunded area and connected back to the pump pit.
 - An Industrial Waste Sampling Point (IWSP) 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 IWSP.
- 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 the Water Corporation at the time the *Trade Waste Permit* application is made by a customer to discharge trade waste to sewer.
- The Water Corporation must be notified within fourteen (14) days upon installation of the product.
- The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
- The product chosen must be suitably sized to avoid surge conditions.
- Clear access for the purposes of maintenance or servicing of the product must be maintained at all times.
- This approval certificate is not an endorsement of the product by the Water Corporation, and no claim shall be made in advertising, promotion or other manner to the effect.
- The Water Corporation accepts no responsibility for the effective operation, performance or efficiency of the product.
- 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.
- The 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 the Water Corporation's sewer.





Special Conditions of Approval (continued)

12. The Water Corporation shall be notified in writing if the product 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 the Water Corporation's requirements at the time of approval.
3. The product shall be manufactured to comply according to the details on the approved drawings in the references noted below, in addition to any further details provided by the proponent when seeking this approval.
4. The product supplied for use in the 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 the Water Corporation's area of operations.
5. All discharges to sewer associated with this product must not exceed the Water Corporation's *Trade Waste Acceptance Criteria*.
6. Prior to any business (which is connected to the Water Corporation's sewer) installing this product the business must apply to the 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 the Water Corporation, when handled, stored, assembled or installed in accordance with the supplier's or manufacturer's written instructions.

Approved Drawing(s):	As per available drawings noted below: <ol style="list-style-type: none">i Cleanawater DEOIL 3 AIR General Arrangement (Issue 1, 10/6/2014)ii Cleanawater DEOIL 5 AIR General Arrangement (Issue 1, 10/6/2014)iii Cleanawater DEOIL 3 Electric General Arrangement (Issue 1, 10/6/2014)iv Cleanawater DEOIL 5 Electric General Arrangement (Issue 1, 10/6/2014)v DS3-316SS Debris Strainer Std (Issue 1, 10/6/2014)vi DEOIL Liner Assembly 1 (Issue 1, 10/6/2014)vii 660 Litre Cyclone Tank (Issue 1, 10/6/2014)
Authorising person:	Stephen Jerkovic (Supervisor Investigations)
Date issued	21 09 2015
Validity period:	Five (5) years