

Approval certificate

Trade waste pre-treatment product



Applicant: UltraSpin Technology Pty Ltd
Postal address: 46 Wadhurst Drive, Boronia VIC 3155

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Manufacturer: UltraSpin Technology Pty Ltd
Address: 46 Wadhurst Drive, Boronia VIC 3155

Product description

UltraSpin offers a packaged **Oil Water Separator** known as the PB35.

The Ultraspin oily water separator is a hydrocyclone type separator. Oily water is pumped into the separator via a tangential inlet, which generates a powerful vortex with centrifugal forces 1000x the force of gravity. These forces squeeze the lighter oil / fat droplets into the centre of the vortex and creates two streams - a treated wastewater stream and a separated oil stream. The Ultraspin separator does not use any chemicals and has no consumables and is capable of separating oil droplets as small as 10 micron.

The acceptance certificate applies to the following:

Approval Number	Make	Model	Nominal Flow (L/h)	Temp Rating (°C)	Material of Construction	Dimensions (mm)			Pump Type
						L	W	H	
AN-019-05	Oil Water Separator	PB35	3,500	0 to 45	SS ¹	1,420	430	700	ARO 1.5" air operated diaphragm pump

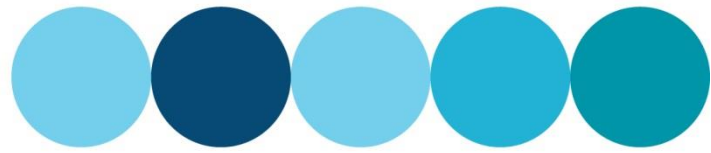
1 – SS: Stainless steel 316

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. 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)*. This typical drawing to be used for installation requirements regarding the need for a collection pit, bunding and TWSP.
4. A maintenance contract is to be in place to ensure the ongoing reliability of the product.
5. Water Corporation must be notified within fourteen (14) days upon installation of the product
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 publicly available.

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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 **Installation, Operation and Maintenance Manual – Ultraspin Oil Water Separators Pneumatic (dated 16 May 2018)**, 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 a number of occasions 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): 3.5m³/hr "Edge" OWS, PB35-AR (pneumatic, auto-recycle). Rev B1 dated 17 May 2018.

Authorising person: Stephen Jerkovic (Team Leader – Investigations)

Date issued 19 May 2023

Validity period: Five (5) years