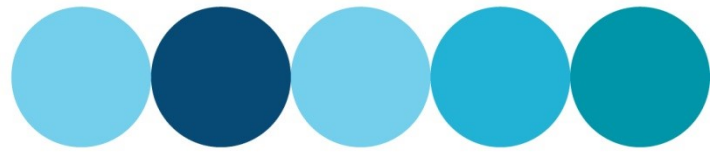


Approval certificate

Trade waste pre-treatment product



Applicant: Allied Pumps Pty Ltd
Postal address: PO Box 1468, Canning Vale WA 6970

Attention: Terry Slack
Web: www.alliedpumps.com.au
Email: info@alliedpumps.com.au

Manufacturer: Allied Pumps Pty Ltd
Address: 2 Modal Crescent, Canning Vale WA 6155

Product description

The coalescing plate separator (CPS) provided by Allied Pumps is a gravity separator capable of removing oils and/or solids.

Wastewater from engine/parts/vehicle wash down bays (for example) can be directed through the inlet pipe where vertically oriented plates remove settleable solids by means of gravity, then horizontally oriented plates remove oil droplets greater than 20 microns by means of coalescing them to larger droplets.

The device range is manufactured from stainless steel, or a molded polyethylene or fiberglass chamber with a vertical and horizontal coalescing plate pack. A range of positive displacement diaphragm pumps are available with automatic controls. Hazardous-rated electrical components are available as options for use with flammable liquid applications.

Nominal flow rates vary from 1500 to 9000 L/hr depending on the model.

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

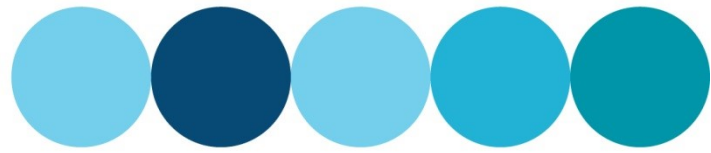
Approval Number	Model	Vertical Plate Pack			Horizontal Plate Pack			Max Flow Rate ³	Pump Type (Diaphragm)	Inlet Diam ¹	Outlet Diam ¹	
		Packing Arrangement ¹	Plate Spacing	Area ²	Packing Arrangement ¹	Plate Spacing ¹	Area ²				Oil	Water
AN-013-01	KCPS-15 FS	300x350x600	12	9.6	n/a	n/a	n/a	1500	K/SM-25/100	25	50	50
AN-013-05	KCPS-30/15FS	300x300x1200	12	13	300x300x250	6	5.25	1500	K/SM-25/100	25	50	50
AN-013-02	KCPS-30 FS	300x300x1200	12	13	300x300x250	6	5.25	3000	K/SM-32/170	32	50	50
AN-013-03	KCPS-60 FS	600x300x1200	12	26	600x300x250	6	10.5	6000	K/SM-38/340	38	50	50
AN-013-04	KCPS-75 FS	600x600x1200	12	67.2	600x600x250	6	27.2	9000	K/SM-50/680	50	50	80

1 – millimetres; 2 – square meters; 3 – litres per hour

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. To be installed away from direct weather and sunlight.
 - b. Oil water separators must be installed in a bunded area and connected back to the pump pit.
 - c. A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's Typical Drawings.
 - d. 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*:
 - a. [Coalescing Plate Separator \(HX33-12-10\)](#)
 - b. [Trade Waste Sampling Point \(HX33-11-30\)](#)
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.

Approval certificate



Trade waste pre-treatment product

Special conditions of approval (continued)

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.

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 **Cleartec Coalescing Separator – operation and maintenance manual** (revision 4.1, published June 2023) 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*.
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):	General Arrangement KCPS-15FS-OWSFL-01 Revision C General Arrangement KCPS-15FS-OWS-01 Revision D
Authorising person:	Stephen Jerkovic – Team Leader – Investigations
Date issued	23 November 2023
Validity period:	5 years