

# Approval Certificate

## Trade waste pre-treatment product

**Applicant:** All Pumps Sales and Service  
**Postal address:** 10 Silverwater Road, Silverwater, NSW, 2128  
**Manufacturer:** All Pumps Sales and Service  
**Address:** 10 Silverwater Road, Silverwater, NSW, 2128

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### Product/Device Description

The coalescing plate separator (CPS) units provided by All Pumps is a gravity separator capable of removing oils and/or solids found in the waste water run-off from vehicle workshops, service stations, tank farms and wash bays.

The CPS units are designed with vertically arranged coalescing plates. Flow is directed from the inlet port through the vertically oriented plates where solids are separated under gravity for collection in the hopper below. Oil slugs rise immediately to the surface. A baffle or oil dam prevents the collected oil from entering the outlet weir.

The Kwikflo KCPS-1000 Coalescing Plate Separator is suitable for both free-standing and wall-mounted installations. The Kwikflo KCPS-1500 and KCPS-2000/3000 Coalescing Plate Separator is suitable for free-standing installations only.

The tank is manufactured from moulded polyethylene which is UV stable and lightweight. The body weights range from approximately 25 kg to 80 kg.

Nominal flow rates vary from 1000 to 3000 L/h depending on the model.

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

Approval Number	Model	Vertical Plate Pack			Max Flow Rate <sup>3</sup>	Pump Type (Diaphragm)	Inlet Diameter <sup>1</sup>	Outlet Diameter <sup>1</sup>	
		Packing Arrangement <sup>1</sup>	Plate Spacing <sup>1</sup>	Area <sup>2</sup>				Oil	Water
AN-059-01	KCPS-1000	1 pack x (305x305x600)	14	7	1000	(various)	32	50	50
AN-059-02	KCPS-1500	1 pack x (585x305x600)	14	11	1500	(various)	32	50	50
AN-059-03	KCPS-2000	2 packs x (305x305x600)	14	14	2000	(various)	50	50	50
AN-059-04	KCPS-3000	3 packs x (305x305x600)	14	21	3000	(various)	50	50	50

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, the *Plumbing Standards* and the Corporation's typical drawings, 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. An Industrial Waste Sampling Point (IWSP) must be installed.
  - c. The outlet pipe must be plumbed via a tundish that is separate and upstream to the IWSP.
3. A maintenance contract is to be in place to ensure the ongoing reliability of the product.
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.



## 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 WSAA Product Appraisal Report TWA 1206 (*All Pumps Pty Ltd KCPS Series Separators for Light Liquids*, dated 12/11/2012, version 3) 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):** As per details noted on the following drawings:  
(i) Model KCPS-1000 (Drawing 1, Rev 0, Dated 14/06/2012)  
(ii) Model KCPS-1000 (Drawing 1-1500, Rev 0, Dated 23/07/2012)  
(iii) Model KCPS-1000 (Drawing 1-2000 & 3000, Rev 0, Dated 10/08/2012)

**Authorising person:** Stephen Jerkovic (Supervisor Investigations)

**Date issued** 24 June 2015

**Validity period:** 5 years