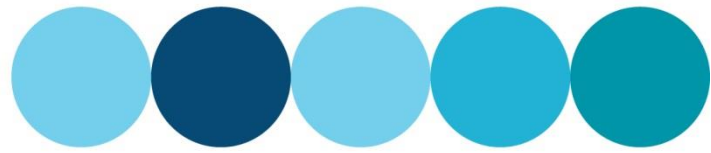


Approval certificate

Trade waste pre-treatment product



Applicant: SPEL Environmental Pty Ltd
Postal address: 100 Silverwater Road, Silverwater NSW 2128

Attention: Thomas Wibberley
Web: www.spel.com.au
Email: sales@spel.com.au

Manufacturer: SPEL Stormwater
Address: PO Box 7138, Silverwater NSW 1811 Australia

Product description

The SPEL Puraceptor is a full retention separator that can contain and prevent light liquid pollutants from discharging into sewers. It has two chambers and is fitted with an automatic closure device designed to treat and contain significant oil spills. A final stage coalescing unit utilises a permeable foam material further that pre-treats smaller globular light liquid pollutants.

Treatable flow rates range from 2 L/s to 200 L/s. Pipe sizes range from 100mm to 450mm. Above and below ground installations are possible.

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

Approval Number	Model	Max Flow (L/s)	Max Silt (L)	Max Oil (L)	Total Litres	Working Litres	Inlet / Outlet Diameter (mm)*	Inlet Height (mm)	Outlet Height (mm)
AN-061-01	P.004.C1.2C	4	450	1,000	2,900	2,050	150 / 150	1,110	1,080
AN-061-02	P.006.C1.2C	6	600	1,300	3,400	2,550	150 / 150	1,070	1,040
AN-061-03	P.008.C1.2C	8	850	1,900	4,300	3,200	150 / 150	1,080	1,040
AN-061-04	P.010.C1.2C	10	1,100	2,500	5,200	3,900	150 / 150	1,110	1,080
AN-061-05	P.013.C1.2C	13	1,400	3,000	6,500	4,800	150 / 150	1,110	1,080
AN-061-06	P.015.L.C1.2C	15	1,750	3,400	7,400	5,400	150 / 150	1,100	1,040
AN-061-07	P.015.S.C1.2C	15	1,750	3,500	7,500	5,500	300 / 300	1,600	1,550
AN-061-08	P.020.C1.2C	20	1,980	3,900	9,800	7,300	300 / 300	1,600	1,550
AN-061-09	P.030.C1.2C	30	2,800	5,500	13,500	10,800	300 / 300	1,635	1,585
AN-061-10	P.040.C1.2C	40	3,500	7,000	17,200	14,400	300 / 300	1,600	1,550
AN-061-11	P.050.L.C1.2C	50	4,500	9,000	22,500	18,000	375 / 375	1,600	1,550
AN-061-12	P.060.L.C1.2C	60	5,400	10,700	26,800	21,600	375 / 375	1,550	1,450
AN-061-13	P.070.L.C1.2C	70	6,200	12,400	31,300	25,200	375 / 375	1,600	1,500
AN-061-14	P.050.S.C1.2C	50	3,300	9,000	20,100	18,000	375 / 375	2,230	2,180
AN-061-15	P.060.S.C1.2C	60	4,000	10,700	24,600	21,600	375 / 375	2,230	2,180
AN-061-16	P.070.S.C1.2C	70	4,700	12,400	29,300	25,200	375 / 375	2,200	2,150
AN-061-17	P.080.C1.2C	80	5,660	14,900	34,400	29,600	375 / 375	2,220	2,150
AN-061-18	P.090.C1.2C	90	6,000	16,200	38,300	32,400	375 / 375	2,235	2,150
AN-061-19	P.100.C1.2C	100	6,500	17,700	41,500	35,700	375 / 375	2,240	2,150
AN-061-20	P.110.C1.2C	110	7,000	18,300	44,300	38,200	375 / 375	2,250	2,150
AN-061-21	P.120.C1.2C	120	7,600	21,700	47,300	43,200	375 / 375	2,329	2,150
AN-061-22	P.150.C1.2C	150	9,600	27,100	63,000	54,000	375 / 375	2,280	2,150
AN-061-23	P.180.C1.2C	180	11,000	32,500	72,700	64,800	375 / 375	2,300	2,150
AN-061-24	P.200.C1.2C	200	12,000	36,200	78,100	64,800	375 / 375	2,300	2,150

* Maximum diameter possible. Smaller diameters available upon request.

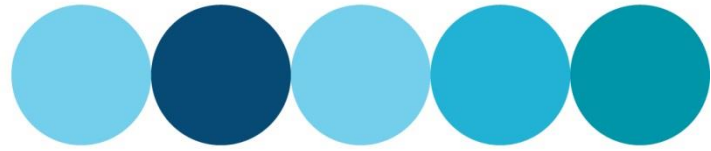
Special conditions of approval

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. Where installed above ground:
 - i. Oil water separators must be installed in a bunded area and connected back to the pump pit.
 - ii. A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
 - iii. The outlet pipe must be plumbed via a tundish that is separate and upstream to the TWSP.

Approval certificate

Trade waste pre-treatment product

Special conditions of approval (continued)



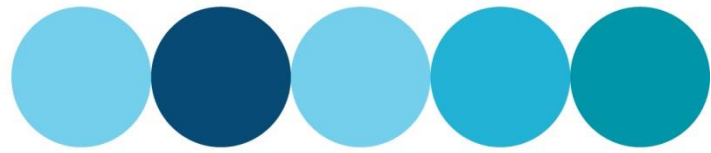
- b. Where installed below ground:
 - i. 'Gatic' type covers as per AS 3996 (Access Covers and Grates) to be used for all access openings.
 - ii. A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
3. This approval certificate is not a stand-alone document and **must be read** in conjunction with Water Corporation's *Typical Drawings for Trade Waste*:
 - a. [Trade waste sampling point \(HX33-11-30\)](#)
 - b. [Sealed trade waste sampling points \(HX33-10-10\)](#)
 - c. [Small plate separator \(HX33-12-10\)](#) – for the purposes of collection pit and bunding requirements of above ground installations
4. A maintenance contract is to be in place to ensure the ongoing reliability of the product. The permeable foam material located at the final stage coalescing unit is to be replaced every 6 to 8 years.
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.

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 the referenced documents below, 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.

Approval certificate



Trade waste pre-treatment product

General conditions of approval (continued)

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):	SPEL Fibreglass Tank Installation Guide (dated July 2014, Rev 5) SPEL Puraceptor Class 1 Operation & Maintenance Manual (dated April 2013, Rev 1)
Authorising person:	Stephen Jerkovic (Team Leader – Investigations)
Date issued	15 May 2023
Validity period:	Five (5) years