Approval certificate

Trade waste pre-treatment product

Applicant: Protector Australia Pty Ltd
Postal address: 1 Government Rd, Braemar, NSW 2575

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Manufacturer: Protector Australia Pty Ltd
Address: 1 Government Rd, Braemar, NSW 2575

Product description

The Hydroprotector is a Class 1 below ground installed horizontal oil and water separator. The entire treatment system is made from Fibre Reinforced Polymer (FRP) due to the materials reliable longevity and strength.

Hydroprotector Class 1 separators, are designed to achieve a concentration of less than 5 mg/L of oil under standard test conditions, should be used when the separator is required to remove very small oil droplets, such as those arising from car park runoff.

An oil level sensor is incorporated into the system to alert to build up of separated oil and collected sludge. A final stage coalescence filter is located near the outlet of the separator. The coalescence filter aides in separating the finer and more difficult to separate oil/fuel droplets from the wastewater.

The range offers 22 models of varying sizes capable of treating flow rates from 2-350 L per second respectively. All models are provided with a Class D access lid.

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

Approval Number	Model	Treatment Flow Rate[1]	Operating Volume (L)	Spill Capacity (L)	Width (mm)	Length (mm)	Height (mm)	Connection size (mm)	Inlet/outlet height (mm)	
									Inlet	Outlet
AN-103-01	HYD.2.DC.R2-1	2	2,076	885	1,212	2,660	1,906	100	964	914
AN-103-02	HYD.4.DC.R2-1	4	2,183	866	1,212	2,900	1,906	150	954	904
AN-103-03	HYD.8.DC.R2-1	8	3,678	1,653	1,364	3,660	2,057	150	1,103	1,053
AN-103-04	HYD.13.DC.R4-1	13	4,928	2,869	1,664	3,800	2,357	225	1,309	1,259
AN-103-05	HYD.15.DC.R4-1	15	5,648	2,996	1,664	4,150	2,357	225	1,309	1,259
AN-103-06	HYD.20.DC.R4-1	20	7,539	4,298	2,020	4,070	2,670	300	1,600	1,550
AN-103-07	HYD.30.DC.R5-1	30	11,388	6,427	2,020	5,150	2,670	300	1,600	1,550
AN-103-08	HYD.40.DC.R6-1	40	15,116	10,008	2,020	7,460	2,670	300	1,600	1,550
AN-103-09	HYD.50.DC.R5-2	50	18,678	10,031	2,020	8,000	2,670	300	1,600	1,550
AN-103-10	HYD.60.DC.R5-2	60	22,406	11,923	2,020	9,550	2,670	300	1,600	1,550
AN-103-11	HYD.70.DC.R5-2	70	26,224	14,952	2,370	7,900	3,020	300	1,900	1,850
AN-103-12	HYD.80.DC.R6-2	80	29,889	17,023	2,370	8,850	3,020	300	1,900	1,850
AN-103-13	HYD.100.DC.R5-3	100	37,392	21,263	2,370	11,000	3,000	300	1,925	1,875
AN-103-14	HYD.110.DC.R5-3	110	41,469	23,849	2,675	9,950	3,315	450	2,070	2,020
AN-103-15	HYD.120.DC.R6-3	120	45,191	25,939	2,675	10,800	3,315	450	2,070	2,020
AN-103-16	HYD.150.DC.R5-4	150	56,116	32,210	2,675	13,350	3,315	450	2,070	2,020
AN-103-17	HYD.180.DC.R6-4	180	67,949	40,983	3,180	11,000	3,840	450	2,590	2,540
AN-103-18	HYD.200.DC.R6-5	200	76,030	47,297	3,680	10,500	4,350	600	2,970	2,920
AN-103-19	HYD.250.DC.R7-4	250	93,826	58,239	3,680	11,000	4,350	600	2,970	2,920
AN-103-20	HYD.260.DC.R7-4	260	98,058	61,233	3,680	11,800	4,350	600	2,970	2,920
AN-103-21	HYD.300.DC.R7-5	300	112,511	69,728	3,680	13,100	4,350	600	2,970	2,920
AN-103-22	HYD.350.DC.R7-5	350	130,751	80,943	3,680	15,150	4,350	600	2,970	2,920

1 – litres per second

Special conditions of approval

1. **Bulk mechanical waste oils must not be discharged into this product.**
2. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
3. The product shall be *installed* by a licensed plumber according to the *Plumbing Standards* and *serviced* strictly in accordance with the manufacturer's written instructions, with particular emphasis on the following:
   a. Protector – Hydroprotector Installation Manual – Revision 1 received 06 February 2024.
   b. Protector – Hydroprotector Maintenance Manual – Revision 1 received 07 July 2026.
   c. Protector – Hydroprotector Technical Specification – Revision 1 received 01 August 2024.

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Special conditions of approval (continued)

d. A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
e. Flow rate restrictors must be used on pumped discharges to ensure correct flow rates entering the selected model. Flow rates entering must not exceed the rated treatment capacity of the product.
f. Maintenance platforms for above ground installations to be designed and installed in accordance to AS 1657.
g. 'Gatic' type covers as per AS 3996 (Access Covers and Grates) to be used for all access openings.
h. The oil sensor in not optional and must be installed.
i. The sludge weir is not optional and must be installed.
j. The automatic closure device is not optional and must be installed.
k. The outer mesh pre-filter to the coalescence unit is not optional and must be installed.

4. This approval certificate is not a stand-alone document and **must be read** in conjunction with the following Water Corporation documents:
   a. *Typical Drawings for Trade Waste – Trade Waste Sampling Point (HX33-11-30)*
   b. *Typical Drawings for Trade Waste – Sealed trade waste sampling points (HX33-10-10)*
5. A maintenance contract is to be in place to ensure the ongoing reliability of the product and that discharges to sewer comply with Water Corporation's *Acceptance Criteria for Trade Waste*. Product to be serviced not less than once every 12 months.
6. Cleaning and maintenance records shall be kept and made available to Water Corporation and shall contain remarks on specific events (e.g. photographs taken, servicing, repairs, reported accidents, etc.).
7. Water Corporation must be notified within fourteen (14) days upon installation of the product.
8. The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
9. The product chosen must be suitably sized to avoid surge conditions.
10. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
11. 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.
12. 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.
13. 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.
14. 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.
15. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
16. 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 and installed in accordance with Water Corporation's requirements at the time of approval.
4. The product shall be manufactured and installed to comply according to the details noted in the approved drawings listed on the following page, 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.

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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):	Hydroprotector - HYD.2.DC.R2-1 - Revision 2 Hydroprotector - HYD.4.DC.R2-1 - Revision 2 Hydroprotector - HYD.8.DC.R2-1 - Revision 2 Hydroprotector - HYD.13.DC.R4-1 - Revision 2 Hydroprotector - HYD.15.DC.R4-1 - Revision 2 Hydroprotector - HYD.20.DC.R4-1 - Revision 2 Hydroprotector - HYD.30.DC.R5-1 - Revision 2 Hydroprotector - HYD.40.DC.R6-1 - Revision 2 Hydroprotector - HYD.50.DC.R5-2 - Revision 2 Hydroprotector - HYD.50.DC.R5-2 - Revision 2 (sheet # 1/1) Hydroprotector - HYD.60.DC.R5-2 - Revision 1 (sheet # 2/2) Hydroprotector - HYD.70.DC.R5-2 - Revision 2 Hydroprotector - HYD.80.DC.R6-2 - Revision 2 Hydroprotector - HYD.100.DC.R5-3 - Revision 2 Hydroprotector - HYD.110.DC.R5-3 - Revision 2 Hydroprotector - HYD.120.DC.R6-3 - Revision 2 Hydroprotector - HYD.150.DC.R5-4 - Revision 2 Hydroprotector - HYD.180.DC.R6-4 - Revision 2 Hydroprotector - HYD.200.DC.R6-5 - Revision 2 Hydroprotector - HYD.250.DC.R7-4 - Revision 2 Hydroprotector - HYD.260.DC.R7-4 - Revision 2 Hydroprotector - HYD.300.DC.R7-5 - Revision 2 Hydroprotector - HYD.350.DC.R7-5 - Revision 2
Authorising person:	Stephen Jerkovic (Specialist – Compliance Operations)
Date issued	10 July 2026
Validity period:	Two (2) years