

Approved Basic Trade Waste Pre-treatment Products

Reviewed 05/02/2016

This list shows the basic pre-treatment devices approved by SA Water for connection to its sewerage system. Dischargers may choose from the various suppliers, but must install an approved device of the type and size, if that is specified on their trade waste discharge permit.

Equipment installations must allow adequate clearance for safe access during routine servicing and inspection. For example, the clearance above a grease arrestor or settling pit should be at least 1200mm.

Stands, walkways and steps associated with the device must meet Workplace Health and Safety guidelines.

Trade Waste Guideline *Approval of Basic Pre-treatment Products* sets out the process for adding new products to this list. If we have previously approved your product, but it is not listed, or the information is incorrect, please contact the SA Water Trade Waste Branch.

Grease Arrestors

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Bianco Precast	(08) 8444 7555	Concrete. No.2 (1000 L/hr), No.3 (1750L/hr), No. 4(2400L/hr), No. 5 (5390L/hr)
Cooke Precast Concrete	(08) 8209 3093	Concrete. No.2 (1000 L/hr), No.3 (1750L/hr), No. 4(2400L/hr), No. 5 (5000L/hr)
CV Plastics P/L	(03) 5442 8728	Passive Grease Arrestors (1000L, 1800L and 2400L) modified models (SA specific i.e. Changes to baffle's holes). Above ground installations must be installed under cover. Not UV protected.
Eclipse Boat Shaped Grease Arrestor	Eclipse Environmental Australia 1300 272 650	Fibreglass. Models Eclipse GA1000F, GA1500F, GA1800F, GA2000F, GA2400F, GA3000F, GA4000F, GA5000F (Modified models as per Product's South Australia Manual dated June 2011)
Halgan MGT Modular Grease Trap	Halgan 1800 626 753 info@halgan.com.au	Polyethylene. Models MGT 1000, MGT 1000.2, MGT 1500, MGT 1500.2, MGT1500.3, MGT2000, MGT 2000.2, MGT 3000, MGT 3000.2, MGT 4000, MGT 4000.2, MGT 5000, MGT 5000.2

Halgan MGTA Modular Grease Trap A	Halgan 1800 626 753 info@halgan.com.au	Polyethylene. Models MGTA 1000, MGTA 1500, MGTA 2000, MGTA 3000, MGTA 4000, MGTA 5000. Above ground installations only.
Halgan MGT S Modular Grease Trap "S" Series	Halgan 1800 626 753 info@halgan.com.au	Polyethylene. Models MGTS 1000, MGTS 1500, MGTS 2000, MGTS 3000, MGTS 4000, MGT S 5000
Ri Industries	(08) 8445 7822	Concrete. No.2 (1000 L/hr), No.3 (1800L/hr), No. 4(2400L/hr), No. 5 (5000L/hr)
Stratco	(08)8349 5555	Stainless steel. GRAR1000SS (1000L/hr), GRAR1000SS (1800L/hr), GRARVBSS V-base in custom sizes minimum 1000L/hr.

Filter Type Grease Removal Devices

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Delta compact	Eclipse Environmental 1300 272 650	Delta 1 (1000L/hr) Delta 2 (1500L/hr) Only authorised when clear space restrictions can be demonstrated and upon suitability assessment of the nature of the waste.
Grease Muncher	Global Pumps (08) 8275 8000	Polyethylene/thermal plastics - 1000 L/hr Only authorised when clear space restrictions can be demonstrated and upon suitability assessment of the nature of the waste.
Halgan Ecotec S100 Grease Extractor	Halgan 1800 626 753 info@halgan.com.au	Polyethylene - 1000 L/hr Only authorised when clear space restrictions can be demonstrated and upon suitability assessment of the nature of the waste.

Grease Removal Devices

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Big Dipper Extractor	M.A.Griffith (03) 9399 8444	Models: W-150-IS, W-200-IS, W-250-IS, W-350-IS and W-500-IS. Only for use upstream of an appropriate authorised grease arrestor, DAF unit etc.
Grease Guardian	Eco Guardians 1300 556 628	Stainless Steel - Models: D1, D2, D3, D4, D5 Only for use upstream of an appropriate authorised grease arrestor, DAF unit etc.

Cooling Pits

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Halgan Cooling Pit	Halgan 1800 626 753 info@halgan.com.au	Models HCP200, HCP400, HCP600, HCP800, HCP1000, HCP1200, HAD1500 (polyethylene) Only for use in minor applications / ad hock discharges.
Halgan Cooling Pit S Series	Halgan 1800 626 753 info@halgan.com.au	Models HCPS1000, HCPS1500, HCPS2000, HCPS3000 (polyethylene) Only for use in minor applications / ad hock discharges.

Neutralising Tanks - Under Sink

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Storm Plastics	(08) 8374 3277	PVC Neutraliser Tank NT50
Stratco	(08)8349 5555	Stainless steel. LNTKSS

Oil Water Separators

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Baldwin Industrial Systems P/L	Baldwin (02) 4954 0440 Hydramet (SA) (08) 8374 7800	Coalescing Plate Separator - Polyethylene/polypropylene. Various models from 1000 L/hr upwards
MAK Industrial Water Solutions	(08) 8395 6122	Coalescing Plate Separator - Stainless steel. Various models from 720 L/hr upwards
Eclipse Hydroflow Oil Separators	Eclipse Environmental Australia 1300 272 650	Stainless steel. Models HYD1000S (1000L/hr), HYD3000S (3000L/hr), HYD5000S (5000L/hr)
EnviroSEP	Ovivo Australia (08) 8260 8111	Stainless steel. Various models from 1000L/hr upwards
Fox Environmental Systems	Fox Environmental Systems (03) 9338 6024	Mechanical Oil/ Water Separator models: FX 1000 (SS & SSD), FX 1500 (SS & SSD), FX 3000 (SS & SSD), FX 6000 (SS & SSD)
H2O Cleanawater, TS Series Oil Water Separators	1800 353 788	Stainless steel. Various models from 1000L/hr upwards
Hydro-Tec Engineering	(08) 8390 1565	Stainless steel. Various models from 1000L/hr upwards
Industrial Separation Systems (ISS), Vertical Gravity Separator (VGS)	Environmental Water Services (08) 8398 40 44. MRE Industries (08) 8352 6233. Ri Industries (08) 8445 7822. Tradelink 1800 228 476. Reece Plumbing Products - all stores.	Polyethylene or stainless steel. Various models 1000 - 3000 L/hr
Kwikflo Oil Water Separator	Global Pumps (08) 8275 8000. MRE Industries (08) 8352 6233	Polyethylene Various models from 1000 L/HR upwards

SEPA Small oil separator	SEPA P/L (02) 9542 2434	Stainless steel. Various models from 1000L/hr upwards
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Painting Tool Wash Water Treatment (water-based paints)

Manufacturer/Product Name	Supplier Contact	Item/Model No.
EnviroWash system	Dulux Trade Outlets 132525	ES 160 and ES 450

Plaster Traps – Under Sink

Manufacturer/Product Name	Supplier Contact	Item/Model No.
L W Gemmell Aust.	(08) 8340 9999	Stainless steel. PLAS - 316
Halgan Clay Plaster Trap	Halgan 1800 626 753 info@halgan.com.au	Model CPT/SS/5, manufactured from 304 grade stainless steel
Halgan Plaster Trap	Halgan 1800 626 753 info@halgan.com.au	Model PT/SS/5, manufactured from 316 grade stainless steel
Storm Plastics	(08) 8374 3277	PVC Plaster Traps PLTRAPBO and PLTRAPSO
Stratco	(08)8349 5555	Models with PVC Plaster Trap Lid PLTRAP-Lid Stainless steel PSTTSS

Silt Traps/Strainers with Basket – In Floor, Sink or Trough

Note: As of 1st January 2014, the screening requirements includes the introduction of a fixed secondary strainer with a max 2mm hole size.

Manufacturer/Product Name	Supplier Contact	Item/Model No.
ACO Polycrete Pty Ltd	(08) 8162 7800	ACO Wexel Floor Drain (141876, 141877, 141878, 141879, 141880, 141881, 141882) fitted with removable strainer (142335, 142336) and fixed strainer 142334. ACO Gully 157 Floor Drain (142039, 142040, 142041, 142042, 141976, 141977, 141978, 141979, 141988, 141989, 141990, 141991, 141980, 141981, 141982, 141983, 141984, 141985, 141986, 141987) fitted with removable strainer (142326, 142327, 142328, 142329) and fixed strainer 142337. ACO Gully 218 Floor Drain (142043, 142044, 142045, 142046, 142047, 142048, 142049, 142050, 141992, 141993, 141994, 141995, 141996, 141997, 141998, 141999) fitted with removable strainer (142330, 142331, 142332, 142333) and fixed strainer (142337, 142338.) Both a primary removable and secondary fixed strainer must be fitted to all above products with a maximum hole size of 2mm diameter.

Blucher Australia	(08) 8374 3426	<p>316 Stainless Steel, 200mm Industrial Drains (760.402.110s, 766.402.110s, 760.502.110s, 766.502.110s or 760.602.110s) fitted with both a Filter Basket 2mm hole size (780.200.000.02s) and 2mm hole size Screw Fixed Secondary Strainer (788.110.000.02s).</p> <p>316 Stainless Steel, 300mm Industrial Drains (760.403.110s, 760.403.160s, 766.403.110s, 760.503.110s, 760.503.160s, 766.503.110s or 760.603.110s) fitted with both a Filter Basket 2mm hole size (780.300.000.02s) and 2mm hole size Screw Fixed Secondary Strainer (788.110.000.02s or 788.160.000.02s).</p> <p>Both a primary removable and secondary fixed strainer must be fitted to all above products with a maximum hole size of 2mm diameter.</p>
SMC Stainless	(02) 4735 5666	<p>Models ALDI-AT2HST-SA Solids Trap, ALDI-AT7-SA Solids Trap, AT6-YUM-SA Solids Trap</p> <p>All above products are only approved as the South Australia specific model fitted with a fixed tertiary strainer with maximum hole diameter of 2mm.</p>
Storm Plastics	(08) 8374 3277	<p>PVC Silt Trap 225 x 150mm. S225150 PVC Silt Trap 225 x 100mm. S225100 PVC Silt Trap 150 x 100mm. S150100 HDPE Silt Trap 160 x 110mm. S160110HDPE HDPE Silt Trap 250 x 110mm. S250110HDPE</p> <p>Both a primary removable and secondary fixed strainer must be fitted to all above products with a maximum hole size of 2mm diameter.</p>
Stratco	(08)8349 5555	<p>Stainless steel. Round Top Silt Trap. STRPROSS Stainless steel. SquareTop Silt Trap. STRPSQSS</p> <p>Both a primary removable and secondary fixed strainer must be fitted to all above products with a maximum hole size of 2mm diameter.</p>

Solids Settling/Neutralising Pits

Manufacturer/Product Name	Supplier Contact	Item/Model No.
Bianco Precast	(08) 8359 0666	Concrete. No.2 (1000 L/hr), No.3 (1750L/hr), No. 4(2400L/hr), No. 5 (5390L/hr)
Cooke Precast Concrete	(08) 8209 3093	Concrete. No.2 (1000 L/hr), No.3 (1750L/hr), No. 4(2400L/hr), No. 5 (5000Lhr)
Halgan Averaging Dilution Trap	Halgan 1800 626 753 info@halgan.com.au	Models HAD400, HAD600, HAD800. HAD1000, HAD1200 and HAD1500 (chemical grade polyethylene)
Halgan Averaging Dilution Trap S Series	Halgan 1800 626 753 info@halgan.com.au	Models HADS1000, HADS1500, HADS2000 and HADS3000 (chemical grade polyethylene)
Halgan Lint Trap	Halgan 1800 626 753 info@halgan.com.au	Models HLT600, HLT1100 and HLT1600 (chemical grade polyethylene) Only for use in conjunction with a compliant

		upstream screening device.
Halgan Lint Trap S Series	Halgan 1800 626 753 info@halgan.com.au	Models HLTS1000, HLTS1500, HLTS2000 and HLTS3000 (chemical grade polyethylene) Only for use in conjunction with a compliant upstream screening device.
Halgan Settling Tank	Halgan 1800 626 753 info@halgan.com.au	Models HSTV1100 and HSTV1600 (chemical grade polyethylene)
Halgan Silt Trap	Halgan 1800 626 753 info@halgan.com.au	Silt Arrestor, Models HST550, HST1000 and HST1500 (chemical grade polyethylene)
Halgan Silt Trap S Series	Halgan 1800 626 753 info@halgan.com.au	Silt Arrestor, Models HSTS1000, HSTS1500, HSTS2000 and HSTS3000 (chemical grade polyethylene)
Ri Industries Developments P/L	(08) 8445 7822	Concrete. No.2 (1000 L/hr), No.3 (1800L/hr), No. 4(2400L/hr), No. 5 (5000L/hr)

Note:

- The above devices have been approved in principle by SA Water's Trade Waste Branch only. Performance/ compliance of the device is the responsibility of the trade waste discharger (authorisation holder.)
- Wind driven turbine ventilators ('whirly bird' type vents) are required on all upstream trade waste vents. An induct vent of not less than DN80 has to be connected to the outlet chamber of the grease arrestor. A DN80 or larger high-level upstream vent (fitted with a wind driven turbine ventilator) has to be connected to the uppermost end of the drainage system gravitating to the arrestor.
The minimum venting size for all trade waste drains and pre-treatment devices is a DN80 or larger, however branch vent size is fixture unit dependent.

Approved Manufacturer: **Edmonds** Product Name: **Sewer Vent** Contact: **1300 858 674**

Figure 1 illustrates the approved wind turbine ventilator required for grease arrestors.



Figure 1. Wind turbine ventilator (Sewer vent)