

Oil separator manufacturers – Version 11

August 2011

Important legal information

Prefabricated oil separators supplied in the UK must be manufactured such that the development into which they are installed is able to fulfil the essential requirements of the Construction Products Regulations 1991. The supply of a separator that does not fulfil these requirements is illegal. Trading Standards Authorities enforce these regulations so if you have any questions about them you should contact your Local Authority.

This list identifies those manufacturers currently selling on the UK market whose separators have been declared compliant with the Construction Products Regulations 1991. Where possible, that declaration has been checked for validity by the appropriate Trading Standards Authority.

This document must be read in conjunction with 'Use and design of oil separators in surface water drainage systems: PPG 3'. The PPG describes your legal responsibilities on the use and maintenance of oil separators. You can download a copy at www.environment-agency.gov.uk/ppg or phone us on 08708 506 506.

Once you know which size, type and class of separator you require, you should visit the webpages of the manufacturers on the list below or contact the manufacturers directly to find out which one can provide a compliant version of that unit, or a larger one. If you select one without integral silt capacity, you must provide a separate upstream silt trap. If the manufacturer you are considering does not appear on this list, or you have any other queries, please call Jo Bradley at the Environment Agency on 08708 506 506.

Separator manufacturers are testing more separators to prove that they work and that they are compliant. This list will be updated as other manufacturers complete their testing so make sure that the version you are using is the current version.

Contact details for all the known manufacturers are provided in this document. If your company manufactures separators and would like its products to appear on this list, please contact Jo Bradley on 08708 506 506.

Despite our best efforts, this list may not be comprehensive. It doesn't represent Environment Agency approved manufacturers.

We do not endorse any of the companies listed or criticise those that don't appear.

Bypass Separators

Bypass separators must be protected from the build up of silt within the bypass device chamber. If silt is allowed to build up in this chamber, the operation of the bypass device will be compromised which may lead to premature bypass. If this situation persists, all the flow may discharge via the bypass channel and no pollution prevention will take place.

Therefore, if you are selecting a bypass separator you must make sure that it's protected either by the provision of an integral silt separation chamber or by a separate, upstream dedicated silt separation vessel or silt trap. Whichever is chosen, it's essential that they are emptied out regularly to remove the collected silt. It isn't acceptable to rely on the upstream drains and pipes to provide silt capacity as these devices are not designed to store silt and it will be flushed out during periods of heavy rain.

Full Retention Separators

Full retention separators must also be protected by either an integral silt separation chamber or by a separate, upstream dedicated silt separation vessel or silt trap.

Whichever is chosen, it's essential that they are emptied out regularly to remove the collected silt. It isn't acceptable to rely on the upstream drains and pipes to provide silt capacities as these devices are not designed to store silt as it will be flushed out during heavy periods of rain.

The following manufacturers can provide both Bypass and Full Retention Models:

ACO Technologies Plc - www.aco.co.uk
Aluline Environmental Solutions – www.aluline-environmental.co.uk
Anua (trading name of Bord Na Mona Environmental UK Ltd) - www.anua.co.uk
Conder Products - www.conderproducts.com
Klargester - www.klargester.com
North Eastern Composites Ltd – www.nec-glassfibre.co.uk
SPEL Products – www.spelproducts.co.uk
Titan Pollution Control -www.titanenv.com
Tony Bartle Limited - www.tonybartle.co.uk
Wavin UK (Holdings) Ltd – www.wavin.co.uk

The following manufacturers provide only a range of Bypass Separators:

Oaklands Environmental– www.oaklandsenvironmental.com
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The following manufacturers provide only a range of Full Retention separators:

Camplas Technology Ltd – www.camplas.co.uk
Carlow Precast Tanks Ltd - www.carlowprecast.com
CPM Group Ltd – www.cpm-group.com
Secondary Containment Solutions UK Limited - www.secondarycontainmentsolutions.com

Appendix - Technical Background on European Standard testing procedure BS EN 858-1:2002

For full detail refer to BS EN 858-1:2002 'Separator systems for light liquids (e.g. oil and petrol). Principles of product design, performance and testing, marking and quality control', available from British Standards Institute. Tel: 020 8996 9001. www.bsi-global.com

The European Standard test is designed to assess the separating efficiency of the separator by allowing a standard oil/water mixture to flow through the separator at a set rate and measuring the residual oil content in the discharge. For each separate design, tests will need to be carried out on at least 5 representative units of that design between or including the smallest size and NS 30. It was agreed with the UK manufacturers industry and the Environment Agency that the results of these tests can then be used to develop a formula for extrapolating the necessary increase in dimensions of all the component parts to construct larger units. An independent hydraulics expert checks the accuracy of this formula and its development. Evidence that such an expert has checked and agreed the formula should be made available to the Agencies. If the units are to be taken forward for CE marking, this extrapolation may not be adequate and further testing may be required.

For separators with a bypass device, the oil-separating chamber must pass the performance test. If there is a fundamental difference in the flow path between the bypass and full retention models of a range of separators, then both full retention and bypass models must be tested as described above.

Each separator will be allocated a nominal size (NS) according to the maximum flow that can be treated to give, under the test conditions, an oil concentration of up to 100 mg/litre (Class 2) or up to 5 mg/litre (Class 1) in the discharge. For example, a Class 1 NS 20 separator will achieve a concentration of up to 5 mg/litre in the discharge at a flow rate of 20 litres/second under standard test conditions. A Class 2 NS 20 separator will achieve a concentration of up to 100 mg/litre at 20 litres/second under the same conditions. As a result, all NS 20 Class 1 units will have a similar separating efficiency and, for the same oil and water mixture, and will produce discharges of a similar quality while operating at the same flow rate.

Contact Details for Manufacturers

ACO Technologies plc
ACO Business Park
Hitchin Road
Shefford
Bedfordshire
SG17 5TE

Tel: 01462 816666
draintechnical@aco.co.uk

Aluline Environmental Solutions
Unit 7, Bowburn Industrial Estate
Bowburn
Durham
DH6 5AD

Tel: 0844 770 1555
environmental@alulinegroup.com

Anua (trading name of Bord Na Mona
Environmental UK Ltd)
Poldon Business Centre
Bristol Road
Bridgewater
TA6 4AW

Tel: 01278 439 325
sales@anua.co.uk

Camplas Technology Limited
Heol Ffaldau Brackla Industrial Estate
Bridgend
Wales
CF31 2XE

Tel: 01656 657 482
info@camplas.co.uk

Carlow Precast
Gunnery House
Gunnery Terrace
The Royal Arsenal
London.
SE18 6SW

Tel: 0870 493 1408
info@carlowprecast.com

CPM Limited
Head Office
Mells Road
Frome
Somerset
BA11 3PD

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sales@cpm-group.com

Conder Products
2, Whitehouse Way South
West Industrial Estate
Peterlee
County Durham
SR8 2HZ

Tel: 0870 264 0004
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Klargester Environmental
College Road North
Aston Clinton
Aylesbury
HP22 5EW

Tel: 01296 633 000
uksales@klargester.co.uk

Oaklands Environmental
Unit 5b, Rivergreen Industrial Park
Pallion
Sunderland
SR4 6AD

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sales@oaklandsenvironmental.com

North Eastern Composites Ltd
Unit 3, Rhodes Court
South Nelson Industrial Estate
Cramlington
Northumberland
NE23 1WF

Tel: 0845 223 2374
sales@nec-glassfibre.co.uk

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OL14 8SA

Tel: +353 (0) 59 8640930
Tel: 01706 813970
info@secondarycontainmentsolutions.com

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Lancaster Road
Shrewsbury
Shropshire
SY1 3NQ

Tel: 01743 445 200
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Titan Pollution Control
West Portway
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info@titanpc.co.uk

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Chippenham
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customer service line

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incident hotline

0800 80 70 60

floodline

0845 988 1188