

Oil Separator Manufacturers - Version 7 - November 19th 2007

Important legal information

New prefabricated oil separators supplied in the UK are required 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 separators currently on the UK market that have been declared compliant with the Construction Products Regulations 1991 and for which the declaration has been checked for validity by the appropriate trading standards authority.

This document must be read in conjunction with Pollution Prevention Guidance Note 3 (PPG3) – Use and design of oil separators in surface water drainage systems. PPG3 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 use the list below to see which manufacturer 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 separator 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, and the list will be updated as new separators pass so make sure the version you are using is the current version.

Contact details for all the manufacturers listed are available at the end of 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 and it does not represent Environment Agency approved manufacturers.

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

Bypass Separators

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

Therefore , if you are selecting a by-pass separator you must ensure that it is 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 is essential that they are emptied out regularly to remove the collected silt. It is not 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.

Balmoral Tanks

Class 1 Separators: None compliant

Class 2 Separators: None compliant

Black Hat Systems (BHS) Ltd – Model Geceptor only available without silt capacity although a separate upstream silt storage chamber can be provided

Class 1 Separators: Range compliant from NSB 3.5 to NSB 18

Class 2 Separators: Range compliant from NSB 3.5 to NSB 18

Cerva Ltd – Model CNSB available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 1000

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 1000

Clearwater Process Control Ltd – Model NSBD available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 3 to NSB 130

Class 2 Separators: Full range compliant from NSB 3 to NSB 130

Conder Products - Model CNSB available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 1000

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 1000

Hydroserve - Model CNSB available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 1000

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 1000

Klargester - Model NSBD available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 3 to NSB 130

Class 2 Separators: Full range compliant from NSB 3 to NSB 130

Pipe and Drainage Solutions Ltd – Model Euroceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 150

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 150

SPEL Products – Model reference Stormceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 3 to NSB 1000

Class 2 Separators: Full range compliant from NSB 3 to NSB 1000

Titan Pollution Control - Model NSBD available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 3 to NSB 130

Class 2 Separators: Full range compliant from NSB 3 to NSB 130

Tony Bartle Limited - Model Euroceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 150

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 150

Waterclear Environmental Solutions Ltd - Model Euroceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NSB 1.5 to NSB 150

Class 2 Separators: Full range compliant from NSB 1.5 to NSB 150

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 is essential that they are emptied out regularly to remove the collected silt. It is not 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.

Balmoral Tanks

Class 1 Separators: None compliant

Class 2 Separators: None compliant

CPM Group Ltd – Model CPM NS available with or without silt capacity

Class 1 Separators: Range compliant from NS 2 to NS 20

Class 2 Separators: Range compliant from NS 2 to NS 20

Cerva Ltd – Model CNS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1.5 to NS 1000

Class 2 Separators: Full range compliant from NS 1.5 to NS 1000

Clearwater Process Control Ltd – Model K NS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 3 to NS 200

Class 2 Separators: Full range compliant from NS 3 to NS 200

Conder Products - Model CNS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1.5 to NS 1000

Class 2 Separators: Full range compliant from NS 1.5 to NS 1000

Hydroserve - Model CNS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1.5 to NS 1000

Class 2 Separators: Full range compliant from NS 1.5 to NS 1000

Klargester – Model K NS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 3 to NS 200

Class 2 Separators: Full range compliant from NS 3 to NS 200

Pipe and Drainage Solutions Ltd – Model Superceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1 to NS 170

Class 2 Separators: Full range compliant from NS 1 to NS 170

SPEL Products – Model reference Purceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NS 3 to NS 1000

Class 2 Separators: Full range compliant from NS 3 to NS 1000

Titan Pollution Control – Model K NS available with or without silt capacity

Class 1 Separators: Full range compliant from NS 3 to NS 200

Class 2 Separators: Full range compliant from NS 3 to NS 200

Tony Bartle Limited – Model Superceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1 to NS 170

Class 2 Separators: Full range compliant from NS 1 to NS 170

Waterclear Environmental Solutions Ltd – Model Superceptor available with or without silt capacity

Class 1 Separators: Full range compliant from NS 1 to NS 170

Class 2 Separators: Full range compliant from NS 1 to NS 170

Appendix:

European Standard testing procedure BS EN 858-1:2002

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.' is 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. 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 must check the accuracy of this formula and its development. Evidence that such an expert has checked and agreed the formula must be made available to the Agencies.

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 2 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

Balmoral Tanks

Balmoral Park
Loirston
Aberdeen
AB12 3GY

Tel: 01224 859 100
e-mail: tanks@balmoral.co.uk

Black Hat Systems (BHS) Ltd

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Washington
Tyne and Wear
NE38 0AB

Tel: 0191 415 9090
e-mail: sales@bhsLtd.com

CPM Limited

Head Office,
Mells Road, Frome
Somerset
BA11 3PD

Tel: 01179 814500
e-mail: sales@cpm-group.com

Cerva

Unit A, Princes Drive Ind Est
Kenilworth
Warwicks
CV8 2FD

Tel: 08703 860001
e-mail: sales@cerva.co.uk

Clearwater Process Control Ltd

1100, Parkway
Solent Business Park
Whitely
Fareham
PO15 7AB

Tel: 0870 067 1064
e-mail: shelagh.crabb@cwpc.co.uk

Conder Products

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

Tel: 0870 264 0004
e-mail: sales@conderproducts.com

Hydroserve

Kingsley House
Ganders Business Park
Kingsley, Borden
Hants, GU 35 9LU

Tel: 08704 050902
e-mail: enquiries@hydroserve.net

Klargester Environmental

College Road North
Aston Clinton
Aylesbury
Bucks
HP22 5EW

Tel: 01296 633 000
e-mail: uksales@klargester.co.uk

Pipe and Drainage Solutions Ltd

Unit 7a, Bowburn Industrial Estate
Bowburn
Durham
DH6 5AD

Tel: 0191 377 8020

SPEL Products

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Shropshire
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Titan Pollution Control

West Portway
Andover
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SP10 3LF

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Tony Bartle Limited

13, Chemin de Bellevue
83136 Ste. Anastasie
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e-mail: sales@tonybartle.co.uk

Waterclear Environmental Solutions Ltd

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