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## Euroceptor Bypass Interceptor

### Fully compliant to EN858 and PPG3

The new Euroceptor bypass interceptor has been independently tested in Paris and out performs the strict criteria laid down in both PPG3 and the new European Standard EN858.

Waterclear Environmental Solutions Ltd believe the only true method of performance testing under rigorous methods is to have it completely undertaken by a totally independent approved European test house who decide and determine the status of the product and its fitness for use.

Our complete Euroceptor range was shipped to Paris and each product passed the standard first time with results so low the only classification was to list some of them as 05 mg/l, the standard allows up to 5 mg/l., a truly remarkable achievement which demonstrates its ability to protect our fragile environment.

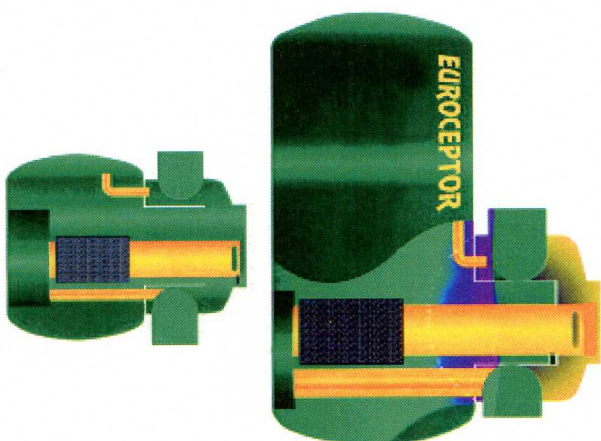
From five tests undertaken with flows 4.5 litres per sec to an astonishing 30 litres per second the units performed with breathtaking results.

This fully accredited product complies with EN858 in all aspects and out performs the criteria in the PPG 3 guidelines issued by the Environment agency.

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Code	Drained Area (M2)	Normal Size of Unit	Designed Rainfall @50mm/hr	Designed Rainfall @5mm/hr	Oil Storage Litres	Silt Storage Litres	Overall Length mm	Diameter Meters	Overall Height mm	Height of Inlet mm	Height to Invert mm	Height to Invert of Outlet mm	Access Turret mm
<b>NSB1.5</b>	833	1.5	23.2	1.15	22.5	150	1400	1	1750	1125	1125	1075	600
<b>NSB3</b>	1667	3	23.2	2.3	45	300	1400	1	1850	1125	1125	1075	600
<b>NSB4.5</b>	2500	4.5	34.7	3.5	67.5	450	1800	1	1850	1125	1125	1075	600



<b>NSB8</b>	4440	8	61.7	6.2	120	800	1800	1.2	2245	1345	1295	600
<b>NSB10</b>	5550	10	77.1	7.7	150	1000	1800	1.2	2245	1345	1295	600
<b>NSB12.5</b>	6944	12.5	96.3	9.6	188	1250	2229	1.2	2635	1925	1875	600
<b>NSB15</b>	8330	15	115.7	11.6	225	1500	2093	1.8	2635	1925	1875	600
<b>NSB20</b>	11110	20	154.3	15.4	300	2000	2308	1.8	2869	1925	1875	600
<b>NSB25</b>	13888	25	192.8	19.3	375	2500	3393	1.8	2869	1925	1875	600
<b>NSB30</b>	16666	30	231.4	23.	450	3000	3393	1.8	2869	1925	1875	600
<b>NSB35</b>	19444	35	269.9	26.8	525	3500	3800	1.8	3316	1925	1875	600
<b>NSB40</b>	22222	40	308.4	30.6	600	4000	4207	1.8	3316	1925	1875	600
<b>NSB50</b>	27778	50	346.8	34.4	675	5000	4614	1.8	3316	1925	1875	600

Larger sizes available on request

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## Oil Separator Manufacturers - Version 7 - November 19<sup>th</sup> 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](http://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

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## 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 Puraceptor 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

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## 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](http://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](mailto:tanks@balmoral.co.uk)

### **Black Hat Systems (BHS) Ltd**

15, Harvey Close  
Crowther Industrial Estate  
Washington  
Tyne and Wear  
NE38 0AB

Tel: 0191 415 9090  
e-mail: [sales@bhsLtd.com](mailto:sales@bhsLtd.com)

### **CPM Limited**

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Somerset  
BA11 3PD

Tel: 01179 814500  
e-mail: [sales@cpm-group.com](mailto:sales@cpm-group.com)

### **Cerva**

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

Tel: 08703 860001  
e-mail: [sales@cerva.co.uk](mailto: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](mailto: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](mailto:sales@conderproducts.com)

### **Hydroserve**

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

Tel: 08704 050902  
e-mail: [enquiries@hydroserve.net](mailto:enquiries@hydroserve.net)

### **Klargester Environmental**

College Road North  
Aston Clinton  
Aylesbury  
Bucks  
HP22 5EW

Tel: 01296 633 000  
e-mail: [uksales@klargestester.co.uk](mailto:uksales@klargestester.co.uk)

### **Pipe and Drainage Solutions Ltd**

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

Tel: 0191 377 8020

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**SPEL Products**

Lancaster Road  
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Shropshire  
SY1 3NQ

Tel: 01743 445 200

e-mail: [info@spelproducts.co.uk](mailto:info@spelproducts.co.uk)

**Titan Pollution Control**

West Portway  
Andover  
Hants  
SP10 3LF

Tel: 01264 353222

e-mail: [info@titanpc.co.uk](mailto:info@titanpc.co.uk)

**Tony Bartle Limited**

13, Chemin de Bellevue  
83136 Ste. Anastasie  
FRANCE

Tel: 0033 498 052383

e-mail: [sales@tonybartle.co.uk](mailto:sales@tonybartle.co.uk)

**Waterclear Environmental Solutions Ltd**

Bowburn Industrial Estate  
Bowburn  
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DH6 5AD

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