

1 EC-TYPE EXAMINATION CERTIFICATE



2 Equipment or Protective systems intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC

3 EC-Type Examination Certificate No: **FM08ATEX0030**
4 Equipment or protective system: **Skimmers Series Models**
(Type Reference and Name)
5 Name of Applicant: **QED Environmental Systems**
6 Address of Applicant: **6095 Jackson Road, Ann Arbor, MI 48103, USA**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and documents therein referred to.

8 FM Approvals Ltd, notified body number 1725 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report number 3029647EC dated 5th November 2008

9 Compliance with the Essential Health and Safety Requirements, with the exception of those identified in item 15 of the schedule to this certificate, has been assessed by compliance with the following documents:
EN13463-1:2001 and EN13463-5: 2003.

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include:



II 1 G c IIB T6 Ta = 1°C to +38°C (For SPG2, SPG4 and SOS2)
II 1 G c IIB T6 Ta = 1°C to +60°C (For SOS4)

Nicholas Ludlam
Deputy Certification Manager, FM Approvals Ltd.

Issue date: 6th November, 2008



THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

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to EC-Type Examination Certificate No. FM08ATEX0030

13 **Description of Equipment or Protective System:**

The Skimmer series models come in two different models namely AutoSkimmer and Passive Skimmer. The AutoSkimmer Pump System (combination of the rugged SPG4 Passive Skimmer with the AutoPump AP4) automatically recovers free product and then pumps on demand when the pump is filled. The AutoSkimmer delivers higher flows for wells with very high floating layer recovery rates. Passive Skimmers are available in two different models: SOS (Selective Oil Skimmer), and SPG (Specific Gravity Skimmer). Each of these models is available as 2" (50mm) or 4" (100mm).

The specific models are as follows:

- SPG2 Skimmer Pump.***
- SPG4 Skimmer Pump.***
- SOS2 Skimmer Pump.***
- SOS4 Skimmer Pump.***

14 **Special Conditions for Safe Use:**

None.

15 **Essential Health and Safety Requirements:**

The relevant EHSRs that have not been addressed by the standards listed in this certificate have been identified and assessed in the confidential report identified in item 8.

16 **Test and Assessment Procedure and Conditions:**

This EC-Type Examination Certificate is the result of testing of a sample of the product submitted, in accordance with the provisions of the relevant specific standard(s), and assessment of supporting documentation. It does not imply an assessment of the whole production.

Whilst this certificate may be used in support of a manufacturer's claim for CE Marking, FM Approvals Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

This Certificate has been issued in accordance with FM Approvals Ltd's ATEX Certification Scheme.

17 **Approved Drawings**

Drawing Number	Rev	Description
500034	1	Drawing List for AutoSkimmer
500035	2	Drawing List for SPG-4 Skimmers
500036	1	Drawing List for SPG-2 Skimmers
500037	1	Drawing List for SOS4 Skimmers
602221	1	Skimmer Manual
602235	1	Auto-Skimmer (AP4-SPG4 Combo Pump) Manual
206121	3	SOS4 Skimmer Label Drawing
206122	3	SPG2 Skimmer Label Drawing
206123	3	SOS2 Skimmer Label Drawing
206124	4	SPG4 Skimmer Label Drawing
206135	3	SOS4 (60°C) Skimmer Label Drawing

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Drawing Number	Rev	Description
602208	2	SOS4 Skimmer ATEX Label Location and Appearance
602209	2	SOS2-P Skimmer ATEX Label Location and Appearance
602210	2	SPG2 Skimmer ATEX Label Location and Appearance
602212	2	SPG4 Skimmer ATEX Label Location and Appearance
602215	2	Auto Skimmer ATEX Label Location and Appearance

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