

# 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: **FM08ATEX0029**  
4 Equipment or protective system: **Genie Series Pumps 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 5<sup>th</sup> 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**

**Nicholas Ludlam**  
**Deputy Certification Manager, FM Approvals Ltd.**

Issue date: 6<sup>th</sup> November 2008



*Member of the FM Global Group*

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

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# SCHEDULE



to EC-Type Examination Certificate No. FM08ATEX0029

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

The Genie series pump models consist of a bladder pump with high suction capability and a skimmer positioned above the floating inlet section of the system. The AutoGenie uses an integral pneumatic timer to control the pump fill and discharge times. The Programmable Genie is a Genie Pump that uses an electronic controller that is mounted outside the well to allow adjustment of the air flow into the system thereby controlling the pump cycles and off times. The Genie series pump models is design to work with the SPG or SOS Skimmers. In the SPG range, each can be 2" (50mm) or 4" (100mm), but in the SOS range it only comes in 4" (100mm).

The specific models are as follows:

- GNE. AutoGenie Pump.**
- GNE. ProgrammableGenie 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
500038	1	Drawing List for Programmable Genie
500039	1	Drawing List for AutoGenie
602221	1	GNE Manual
206129	3	GNE Pump Label Drawing
602211	2	GNE Pump ATEX Label Location and Appearance
602213	2	BP Pump ATEX Label Location and Appearance
302853	1	24" Bladder Pump Casing with ATEX Label
302854	1	48" Bladder Pump Casing with ATEX Label

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