



(1) EC-TYPE EXAMINATION CERTIFICATE

(2) Equipment or protective system intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate number: **LOM 05ATEX2009 X**

(4) Equipment or Protection System Float level switches
Types LC40./....-...

(5) Applicant: TECFLUID, S.A.

(6) Address Narcis Monturiol, 33
08960 SANT JUST DESVERN (BARCELONA)
SPAIN

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

(8) Laboratorio Oficial J.M. Madariaga (LOM), notified body number 0163 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.


The examination and test results are recorded in confidential report nr. **LOM 04.082 AP**

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- Standards **EN 50014:1997 + A1:1999 + A2:1999**
EN 50018:2000 + A1:2002
EN 50281-1-1:1998 + A1:2002

(10) If the sign X is placed after the certificate number, it indicates that the equipment or protective system 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 and construction of this specified equipment or protective system in accordance with the Directive 94/9/EC. Further requirements of the Directive applies to the manufacture 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 the following:

 II 2 GD EEx d IIC T6 IP67 T85 °C

Madrid, 14th February 2005

Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY



Angel Vega Remesal
Head of ATEX area

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This Certificate is a translation from the original in Spanish. The LOM liability applies only on the Spanish text



LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate: : **LOM 05ATEX2009 X**

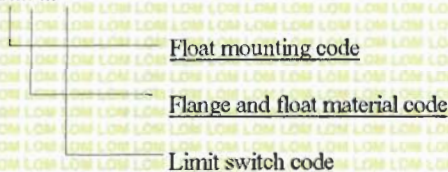
(A3) Description of equipment or protective system

Float level switches based on an aluminium flame proof head and magnetic coupling. The head is based on a type C3 housing from Cooper Crouse-Hinds with certificate LOM 02ATEX2037. The floats are simple mechanical elements for installing in the inside of tanks by means of a flange fitting and can be made of stainless steel, PVC, Polypropylene or PTFE.

The head can contain different types of electrical or electronic limit switches.

Coding of types

LC40-./.....



Electrical characteristics:

Maximum voltage: 400 V
Maximum current: 16 V
Maximum power dissipation: 10W

(A4) Test report nr: **LOM 04.082 AP**

(A5) Special conditions for safe use

For the models with a non-metallic parts, electrostatic risks that may occur must be taken into account, limiting its use in places where the formation of electrostatic charges are predictable.

(A6) Individual tests

None

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page 1/2 of this certificate.

(A8) Descriptive documents:

	<u>Rev.</u>	<u>Date</u>
- Description nr.	0	2004-07-21
- Drawings nr.:		
164120018	0	2004-11-11
219120006	0	2004-11-04
239560025	0	2004-11-11
219110003	0	2004-11-04
219130002	0	2004-11-04
239420003	0	2004-11-11
239560024	0	2004-11-11



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