



(1) TYPE EXAMINATION CERTIFICATE

(2) Non electrical equipment of category 2 intended for use in potentially explosive atmospheres
Directive 94/9/EC

(3) Type Examination Certificate number: **LOM 05ATEX6032 X**

(4) Equipment or Protection System Pneumatic actuators
Types KP.....

(5) Applicant: QUIFER Actuators S.L.

(6) Address Ctra. NIIa km 8,500
17600-FIGUERES (GIRONA)
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) certifies that this equipment comply with the Essential Health and Safety Requirements relating to the design and construction of non electrical equipment of category 2 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 04.487 PP**


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
- Standards **EN 13463-1:2001**
 EN 13463-5:2003


(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 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 2GD c T6 IP67 T85 °C Ta: -20 /+60 °C


Carlos Fernández Ramón
DIRECTOR OF THE LABORATORY

LABORATORIO OFICIAL J.M. MADARIAGA


Madrid, 31st March 2005


Angel Vega Remesal
Head of ATEX area

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LABORATORIO OFICIAL J. M. MADARIAGA

(A1) SCHEDULE

(A2) EC-Type Examination Certificate: : LOM 04ATEX2132

(A3) Description of equipment or protective system

Series of pneumatic actuators with single or double effect and operation by means of zipper-pinion. They are intended for operation of valves or other devices that require operation with turns of 90° or 180°.

Type codification:

KP - - -



Generic reference

Operation code

(without code)= double effect actuator
M= single effect actuator

Code of size and operation couple

3 to 500 (according sub-type)

Turn code

(without code)= 90° turn
180 =180° turn

Single effect actuators (types KPM. ..) include recovery springs in variable quantity in each model.

They are intended to operate with compressed air or inert gas to a maximum pressure of 8 bar.

(A4) Test report nr. LOM 04.238 AP

(A5) Special conditions for safe use

- The marked temperature class and surface temperature are only valid for compressed gas inlet up to 60 °C. For upper temperatures should taken in account the increment with respect to 60 °C.
- They must keep the conditions of lubrication and lubricant type indicated by the manufacturer.

(A6) Individual tests

None

(A7) Essential Health and Safety Requirements

Explosion safe requirements are covered by application of the standards indicated in page ½ of this certificate.

(A8) Descriptive documents:

	Rev.	Date
-Descriptions nr.: ATEX-MAR	0	2005-01-25
ATEX-DGE	0	2005-01-25
- Marking nr.: ATEX-MAR	1	2005-01-25
- Drawings nr...: KP-3-BM	-	2005-02-01
KP-3-DG	-	2005-02-03
KP-90-BM	-	2005-02-01
KP-90-DG	-	2005-02-02
KP-180-BM	-	2005-02-01
KP-180-DG	-	2005-02-02



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