

(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: **KEMA 03ATEX1173 X**
- (4) Equipment or protective system: **Piezo Pilot Valve Operator Models PI.801.A30.**
- (5) Manufacturer: **ASCO Valve Inc.**
- (6) Address: **50 Hanover Road, Florham Park, NJ 07932, U.S.A.**
- (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) KEMA Quality B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC 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 no. 2028365.

- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 50014 : 1997

EN 50020 : 2002

EN 50284 : 1999

- (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, examination and tests of the specified equipment or protective system according 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 the following:



II 1 G EEx ia IIC T6

Arnhem, 6 November 2003
KEMA Quality B.V.



C.G. van Es
Certification Manager

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SCHEDULE

(13)

(14)

to EC-Type Examination Certificate KEMA 03ATEX1173 X

(15) **Description**

The Piezo Pilot Valve Operator Model PI.801.A30. is used for pneumatic control of valves or valve assemblies.

The connections are made by terminals or flying leads depending on model variants.

Ambient temperature range -40 °C ... +60 °C.

Electrical data

Supply circuit in type of explosion protection intrinsic safety EEx ia IIC,
(connections + and -) only for connection to a certified intrinsically safe circuit,
with the following maximum values:

U_i	=	30	V
I_i	=	100	mA
P_i	=	750	mW
C_i	=	0	nF
L_i	=	0,27	mH

(16) **Report**

KEMA No. 2028365.

(17) **Special conditions for safe use**

1. For the ambient temperature range and electrical data, see (15).
2. Because part of the enclosure is made of plastic, precautions have to be taken to ensure that the enclosure can not be charged by static electricity.
3. Because part of the enclosure is made of aluminium alloy, when used in an potentially explosive atmosphere requiring apparatus of equipment category 1 G, the equipment must be installed so, that even in the event of rare incidents, an ignition source due to impact or friction between the enclosure and iron/steel is excluded.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

		<u>dated</u>
Drawing No.	AVA280365, rev. A	10.2003
	FV 280372, rev. A	05.2003
	GV 278312, rev. F	09.2000
	GV 278315, rev. M	10.2002
	GV 278316, rev. L	10.2002
	GV 279511, rev. E	07.2002
	HV 278313, rev. H	09.2000

AMENDMENT 1

to EC-Type Examination Certificate KEMA 03ATEX1173 X

Manufacturer: ASCO Valve Inc.

Address: 50 Hanover Road, Florham Park, NJ 07932, U.S.A.

Description

In future, the range of Piezo Pilot Valve Operator Models is extended with Models 5IS8013A30., in accordance with the documentation stated below.

The electrical data for Models 5IS8013A30. are listed below.

Ambient temperature range:

Models 5IS8013A30. : -40 °C ... +70 °C.

Models PI.801.A30. : -40 °C ... +60 °C.

Electrical data

Models 5IS8013A30.:

Supply circuit..... in type of explosion protection intrinsic safety
(connections + and -) EEx ia IIC, only for connection to a certified intrinsically safe circuit, with the following maximum values:

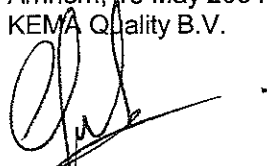
U_i	=	30	V
I_i	=	100	mA
P_i	=	0,75	W
C_i	=	0	nF
L_i	=	2,2	mH

All other data remain unchanged.

Test documentation

	<u>dated</u>
Drawing No. FV 279128, rev. B	11.2000
FV 279145, rev. A	11.2000
FV 279164, rev. B	01.2003
FV 279182, rev. A	11.2000
GV 278970, rev. C	11.2001
GV 278971, rev. D	11.2001
HV 279127, rev. J	02.2003
JV 279246, rev. N	03.2004
JV 279434, rev. K	05.2004

Arnhem, 13 May 2004
KEMA Quality B.V.



C.G. van Es
Certification Manager