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QUALITY CERTIFICATE EN-10.204/2.1

Nº: 201811022 01

CUSTOMER: 浙江三方控制阀股份有限公司

ORDER: 6843

<u>ITEMS</u>	<u>QTY</u>	<u>DESCRIPTION</u>
1	5	ACTREG PNEUMATIC ACTUATOR SINGLE ACTING MODEL ASR2500 S10 G1/2
2	2	ACTREG PNEUMATIC ACTUATOR SINGLE ACTING MODEL ASR2100 S10 G1/2

MATERIALS

BODY	ALUMINIUM 6063 HARD ANODIZED
PISTON	ALUMINIUM ADC12
PINION	CARBON STEEL ELECTROLESS NICKEL PLATED
END CAPS	ALUMINIUM ADC12 EPOXI COATED.
O-RINGS	NBR
BOLTS END CAPS	STAINLESS STEEL A-2

TESTS

A.- Prototypes:

- 1.- Hydrostatic test 12 bars.
- 2.- Test of cycles minimum 500.000.cycles.

B.- Production (Extension 100 %)

- 3.- Pneumatic leakage test between 6.5 & 7 bars with pressure into the chamber between two pistons verifying tightness to outside by stem sealing and tightness internal trough pistons o´rings.
- 4.- Pneumatic leakage test between 6.5 & 7 bars with pressure into the external side of pistons chambers verifying tightness to outside by the end caps and their sealings.

ACTREG S. A. DECLARES that the actuators covered by this certificate have been designed and manufactured in accordance with the requirements of the following European Directives:

- Pressure Equipment Directive 2014/68/EU:

Size 500 up to 4000: conformity assessment procedure followed Mod A acc. To chart 2 Annex B Cat I. Marked EC Cat I Mod A.

Size 10 up to 300: equipment classified according chart 2 Annex B as category SEP. CE marking not allowed.

- Directive 2014/34/EU "ATEX", classified as Group II Cat 2, for use in explosive atmospheres, zones 1, 2 and 21, 22.

Evaluation of compliance according to appendix VIII. All sizes Marked  II 2 G D c

Harmonised and non-harmonised technical standards applied:

- PED: harmonized none, for others, please see the ACTREG Instructions Manual.
- "ATEX": EN 13463-1:2001, EN 1127-1.

Electrical and mechanical accessories are not covered by this declaration and must have their own declaration in order for them to be assembled into ACTREG actuators.

ACTREG S.A.
Quality control



Sant Boi de Llobregat, 22/11/2018