

ATTESTATION OF CONFORMITY

ATTESTATO DI CONFORMITA'

Attestation number

Attestazione numero : 3504571.52

Issued to

Rilasciata a : AIR TORQUE S.p.A
Via dei Livelli di Sopra, 11
24060 Costa di Mezzate (BG)

Manufacturer

Costruttore : AIR TORQUE S.p.A
Via dei Livelli di Sopra, 11
24060 Costa di Mezzate (BG)

Product Type

Tipo prodotto : PNEUMATIC ACTUATOR

Model reference

Riferimento Modello : AIR TORQUE S.p.A.: SB AT454 S12 F10+F12 27DS (S Series)
AIR TORQUE GmbH: SC00450-6UF10F1227S (S Series)

Testing Laboratory

Laboratorio prove : DEKRA Testing and Certification S.r.l.
Via Martiri della Liberazione, 12
I-23875 Osnago (LC)

Test Report ref. No.

Rapporto di prova Nr. : 3504571.54+3503656.51

Requirements

Requisiti : EN 60529:1991+ A1:2000 (IP68M)

The undersigned declares that the above described product meets the above mentioned technical specification. This attestation of conformity is issued based on the test results as laid down in the referred Test Report. The investigation does not include an assessment of the manufacturer's production.

Il sottoscritto dichiara che il prodotto di cui sopra è conforme ai requisiti tecnici menzionati. Questo attestato di conformità è rilasciato sulla base dei risultati di prova riferiti nel rapporto sopra menzionato.

La valutazione non include una verifica del luogo di produzione.

Date of issue

Emesso in data : 2016-01-18

Luca Casiraghi
Project Manager

TEST REPORT

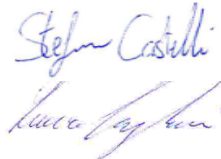
EN 60529

DEGREES OF PROTECTION PROVIDED BY ENCLOSURES (IP CODE)

Report reference No. : 3504571.54

Compiled by (+ signature)..... : Stefano Castelli

Approved by (+ signature)..... : Luca Casiraghi



Date of issue : 2016-01-15

Contents..... : 8 pages

Testing laboratory

Name..... : DEKRA Testing and Certification S.r.l.

Address..... : Via Martiri della Liberazione, 12 I-23875 Osnago (LC)

Testing location..... : As above

Client

Name..... : AIR TORQUE S.p.A.

Address : Via dei Livelli di Sopra, 11

..... : 24060 Costa di Mezzate (BG)

Test specification

Standard..... : EN 60529:1991+ A1:2000

Test procedure : N/A

Procedure deviation : N/A

Non-standard method..... : —

Date of performance of the tests..... : 2016-01-12 to 2016-01-15

Test item

Description : PNEUMATIC ACTUATOR

Trademark..... : AIR TORQUE S.p.A.

Model and/or type reference..... : AIR TORQUE S.p.A.: SB AT454 S12 F10+F12 27DS (S Series)

..... : AIR TORQUE GmbH: SC00450-6UF10F1227S (S Series)

Manufacturer..... : AIR TORQUE S.p.A.

Test case verdicts

Test case does not apply to the test object.....: N/A

Test item does meet the requirement.....: P(Pass)

Test item does not meet the requirement.....: F(Fail)

Testing

Date of receipt of test item : January 11, 2016

Date(s) of performance of test..... : January 12, 2016 to January 15, 2016

General remarks

This test report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

Throughout this report a comma is used as the decimal separator.

The tests have been carried out at the above testing location

Atmospheric conditions for water or dust tests

11.1	General requirements for tests	
	Ambient Temperature T_a	21 °C
	Ambient Relative humidity U_r	48 %
	Ambient Air pressure P	988 mbar
11.2	Tests sample	
	Samples in a clean and new condition, with all parts in place and mounted in the manner stated by the manufacturer.	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>

TEST DESCRIPTIONS AND TEST RESULTS

Water Test: IPX8M

Description:

The test was made by completely immersing the enclosure in water in its service position as specified by the manufacturer so that the following conditions was satisfied:

- a) the lowest point of enclosures with a height less than 850 mm was located 1 000 mm below the surface of the water;
- b) pressure measured during the test was 3 bar (30 mt);
- c) the duration of the test was 48 h;
- d) the water temperature did not differ from that of the equipment by more than 5 K.
- e) Frequency of movement actuator: open/close every 24 h

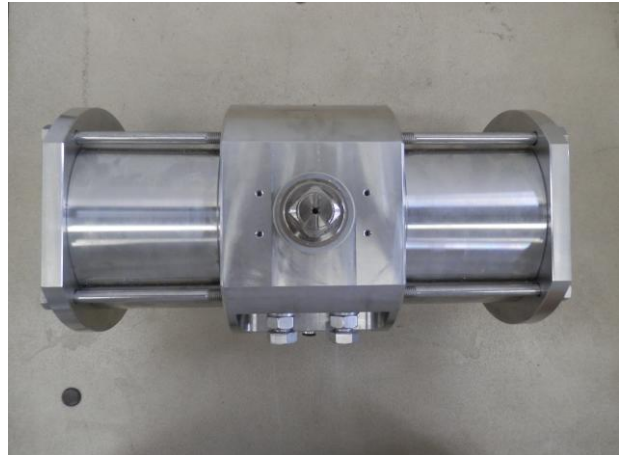
Supplementary letters:

M: Tested for harmful effects due to the ingress of water when the movable parts of the equipment (for example, the rotor of a rotating machine) are in motion

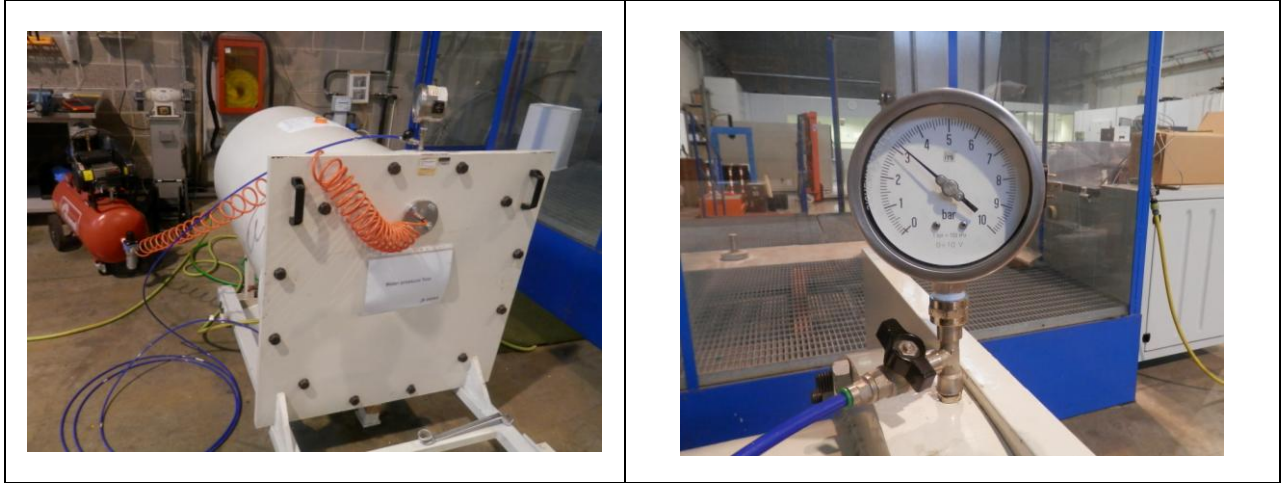
Results:

PASS: No accumulation of water in the equipment under test

PHOTOGRAPHS



SET UP PHOTOGRAPHS



PHOTOGRAPHS AFTER TEST IPX8



TEST AND MEASURING EQUIPMENT LIST

Dekra Ref.	Type	Manufacturer	Model	Serial Number	Calibration (mm/yy)		Remarks
					Last date	Due date	
AT 0429	Chronometer	Oregon Scientific	SL928M	AT0429	02/15	02/16	
ST 0985	Pressure gauge 10 Bar	Nuova Fima	MT18	A03300	11/14	11/16	