

EU / UK DECLARATION OF CONFORMITY



BR 31 • Pneumatic Rotary Actuator

in accordance with

- **Machinery Directive 2006/42/EC and U.K. Reg. S.I. 2008 No.1597** (as amended)
- **ATEX Directive 2014/34/EU and U.K. Reg. S.I. 2016 No.1107** (as amended)
- **Pressure Equipment Directive 2014/68/EU (PED) and U.K. Reg. S.I. 2016 No.1105** (as amended)

<p>• Machinery Directive 2006/42/EC (Art. 13) and U.K. Reg. S.I. 2008 No.1597 (as amended)</p> <p>Declaration of incorporation of the partly completed machine (Annex II part B) With reference to the Machinery Directive 2006/42/EC (Art. 2 point g) and U.K. Reg. S.I. 2008 No.1597 (as amended) (Part 2 point 6), the pneumatic actuators produced by Air Torque Spa listed below can be classified as "Partly completed machine". We hereby declare that the products specified below meet the basic health and safety requirements. Before the actuators are put into operation, the machine into which the actuators will be installed, shall fulfil with the requirements of the Directive 2006/42/EC and U.K. Reg. S.I. 2008 No.1597 (as amended). The essential requirements are applied in compliance with the following points of the Machinery Directive and U.K. Regulation: 1.1.3, 1.1.5, 1.2.1, 1.3.2, 1.3.4, 1.3.7, 1.3.8, 1.3.8.1, 1.4.1, 1.4.2.1, 1.5.1, 1.5.2, 1.5.3, 1.5.4, 1.5.7, 1.5.8, 1.6.1, 1.7.2, 1.7.3, 1.7.4</p> <p>Description of the product line: Pneumatic actuators BR 31</p> <ul style="list-style-type: none"> • Type: <i>Double acting DAP and spring return SRP</i> • Actuator models: <i>From 00015 to 10000 (including the product variations)</i> • Serial number: <i>Each actuator has a serial number for traceability.</i> <p>For the use, installation and maintenance of the actuators described above, see the instructions contained into the manuals <EB31a>.</p>																				
<p>• ATEX Directive 2014/34/EU and U.K. Reg. S.I. 2016 No.1107 (as amended)</p> <p>The pneumatic actuators are designed, produced and classified according to ATEX Directive 2014/34/EU and U.K. Reg. S.I. 2016 No.1107 (as amended), (see actuator label and safety instructions); their use in areas with potentially explosive atmosphere is subject to the classification indicated on the label and in compliance with the relevant ATEX safety instructions.</p> <p>Product marking (Type DAP / SRP):</p> <table border="0"> <tr> <td></td> <td>Execution LLT2, LLT, ST</td> <td>Execution HT</td> </tr> <tr> <td>Group IIB (Gas)</td> <td>II 2 G Ex h IIB T6...T5 Gb X</td> <td>II 2 G Ex h IIB T6...T3 Gb X</td> </tr> <tr> <td>Group IIIC (Dust)</td> <td>II 2 D Ex h IIIC T85 °C...T95 °C Db X</td> <td>II 2 D Ex h IIIC T85 °C...T165 °C Db X</td> </tr> <tr> <td>Group IIC (Gas)</td> <td>II 2 G Ex h IIC T6...T5 Gb X</td> <td>II 2 G Ex h IIC T6...T3 Gb X</td> </tr> <tr> <td>Group IIIC (Dust)</td> <td>II 2 D Ex h IIIC T85 °C...T95 °C Db X</td> <td>II 2 D Ex h IIIC T85 °C...T165 °C Db X</td> </tr> </table> <p>Compliance has been verified on the basis of the requirements of the standards or normative documents indicated below:</p> <table border="0"> <tr> <td>EN 1127-1:2019</td> <td>EN 15714-3:2009</td> </tr> <tr> <td>EN 80079-36:2016</td> <td>EN 80079-37:2016</td> </tr> </table> <p>Technical file: ATX19AT-RP Technical file: UKX21AT-RP</p> <p>Notified body (EU): INERIS (0080) Approved body (UK): EUROFINS E&E CML Limited (2503)</p>			Execution LLT2, LLT, ST	Execution HT	Group IIB (Gas)	II 2 G Ex h IIB T6...T5 Gb X	II 2 G Ex h IIB T6...T3 Gb X	Group IIIC (Dust)	II 2 D Ex h IIIC T85 °C...T95 °C Db X	II 2 D Ex h IIIC T85 °C...T165 °C Db X	Group IIC (Gas)	II 2 G Ex h IIC T6...T5 Gb X	II 2 G Ex h IIC T6...T3 Gb X	Group IIIC (Dust)	II 2 D Ex h IIIC T85 °C...T95 °C Db X	II 2 D Ex h IIIC T85 °C...T165 °C Db X	EN 1127-1:2019	EN 15714-3:2009	EN 80079-36:2016	EN 80079-37:2016
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<p>• Pressure Equipment Directive (PED) 2014/68/EU and U.K. Reg. S.I. 2016 No.1105 (as amended)</p> <p>The pneumatic actuators are designed according to the criteria of Article 1 / Schedule 1 paragraph 2. j) ii) and they are suitable to be used with non dangerous fluids of the Group 2; therefore, according to directive 2014/68/EU and U.K. Reg. S.I. 2016 No.1105, they are not to be considered pressure equipment's.</p>																				

Kempen, 27 October 2022



 Stefan Czayka
 Head of Quality Management/IMS Representative

Comparison of the type designations

Table 1: Comparison of the type designations

Double-acting actuators		Single-acting actuators	
International actuator designation	Type	International actuator designation	Type
AT 051U	DAP 00015	AT 051U	SRP 00015
AT 101U	DAP 00030	AT 101U	SRP 00030
AT 201U	DAP 00060	AT 201U	SRP 00060
AT 251U	DAP 00100	AT 251U	SRP 00100
AT 301U	DAP 00150	AT 301U	SRP 00150
AT 351U	DAP 00220	AT 351U	SRP 00220
AT 401U	DAP 00300	AT 401U	SRP 00300
AT 451U	DAP 00450	AT 451U	SRP 00450
AT 501U	DAP 00600	AT 501U	SRP 00600
AT 551U	DAP 00900	AT 551U	SRP 00900
AT 601U	DAP 01200	AT 601U	SRP 01200
AT 651U	DAP 02000	AT 651U	SRP 02000
AT 701U	DAP 03000	AT 701U	SRP 03000
AT 751U	DAP 04000	AT 751U	SRP 04000
AT 801U	DAP 05000	AT 801U	SRP 05000
AT 1000U	DAP 10000	AT 1000U	SRP 10000

Temperatures

Table 2: Temperatures

Maximum environment temperature and / or process fluid maximum temperature (or surface temperature in the area of contact with the actuator)	Temperature class (Gas) / Maximum surface temperature (Dust)
70 °C	T6 / T85 °C
80 °C	T5 / T95 °C
120 °C	T4 / T135 °C
150 °C	T3 / T165 °C