



RU C- US.GB08.B. 02352

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Pneumatic actuators of the trade mark "ATI" type SRR model LSRR / HDLSRR, type SRE model LSRE / HDLSRE, type DA model LDA / HDLDA. Serial release.

8412 21 800 8, 8412 310 00 9

Technical regulations of the Customs Union "On safety equipment for use in potentially explosive atmospheres" (TR CU 012/2011)

The protocol and the test number 1215/1313-Ex on 08.11.2015 Testing Laboratory of explosion-proof equipment Closed Joint Stock Company Test Center technical measurements, Security and Development, registration number of the accreditation certificate RA.RU.21GB08, date of inclusion in the register of accredited persons 03.03.2016. Act of the analysis of the manufacturer's production status No. 1029 / ASP dated March 31, 2015, Act of inspection control No. 1313-AIK1 of August 26, 2016. Technical documentation of the manufacturer. Scheme of certification 1c.

Information on standards resulting from the application, which is provided on a voluntary basis by compliance with the requirements of the technical regulations, are given in the annex to this certificate. Conditions and periods of storage, service life (according to the manufacturer's operating documentation). The certificate is valid only with the Application (forms No. 0352258, 0352259).

13 .03.2016

15.09 .2020

D.S. Podsevalov

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Information on the standards, as a result of which voluntary compliance with the requirements of the technical regulations of the Customs Union "On the Safety of Equipment for Explosive Atmospheres" (TR TS 012/2011)

Designation of a national standard or set of rules	Name of national standard or set of rules	Confirmation to the requirements of the national standard or set of rules
GOST 31438.1-2011	Explosive environments. Explosion protection and explosion prevention. Part 1. Fundamental concept and methodology	Standard as a whole
GOST 31441.1-2011	Non-electric equipment intended for use in potentially explosive environments. Part 1. General requirements	Standard as a whole
GOST 31441.5-2011	Non-electric equipment intended for use in potentially explosive environments. Part 5. Protection with structural safety "c"	Standard as a whole

## 1. Purpose and scope

Pneumatic actuators of the trade mark "ATI" type SRR model LSRR / HDLSRR, type SRE model LSRE / HDLSRE, type DA model LDA / HDLDA (hereinafter referred to as drives) are designed for operation with control valves, dampers and other industrial equipment, are used in powerful Two-position controllers and soft-action controllers.

The drives are designed for use in hazardous areas in accordance with the assigned explosion protection markings and the protection against ignition of combustible dust.

## 2. Description of the construction and maintenance of protection redstv

The actuators are made in a steel case inside the body (cylinder) the steel piston moves.

The seal, located along the perimeter of the piston, ensures the tightness of the connection between the piston and the cylinder and prevents discharge pressure from escaping.

## 3. Special application conditions (if the "X" sign is indicated in the explosion protection marking)

The temperature class is dependent on the ambient temperature and process temperature.

## 4. Marking

The marking applied to the equipment shall include the following data:

1. Name of the manufacturer or its registered trademark;
2. The type;
3. The serial number of the equipment according to the numbering system of the manufacturer;
4. Name or mark of the certification body and the number of the certificate of conformity;
5. marking and Explosion protection

**II Gb c T \* X / III Db c T \* X**

**T \* - Temperature class dependent on ambient temperature and the process temperature.**

6. Warnings;
7. A single sign EAC of products circulation in the market of the Member States of the Customs Union;
8. Special Ex mark of explosion protection (Annex 2 to TR TC 012/2011);
9. Other data that the manufacturer must reflect, if required by the technical documentation (ambient temperature, degree of sheath protection, etc.).

## 5. Conditions and periods of storage, service life (shelf life)

Storage conditions - in a ventilated room at a temperature from minus 20 ° C to plus 60 ° C and in a medium that does not cause corrosion.

Terms of storage - no more than 1 year after delivery, storage longer than the specified period requires reconsevation. Service life is 20 years.

## 6. Basic technical data

1. Working pressure, bar

at least 2.7

The maximum allowable 10.3

2. Stroke, mm 25 ÷ 610
3. Ambient temperature, ° C (depending on the sealing material)

Standard (nitrile (Buna, BOC)) from -40 to 93

Low temperature (low temperature nitrile (Buna, BOC)) from minus 54 to 93

High Temperature FC (Viton) from minus 29 to 204

When the manufacturer enters into the design and / or technical documentation confirming the compliance of the equipment and / or Ex component with the requirements of TR TC 012/2011, changes affecting the explosion safety indices of equipment, it must provide the OS of the CJSC TIBR CJSC with the description of changes, technical documentation (Drawings of explosion protection equipment), as amended, and a sample for additional tests, if the TS of TIBR CJSC considers it inadequate to carry out only examination of technical documentation with extra For the adoption of a decision on the conformity of the equipment and / or Ex component of TP 012/2011, as amended.