



**Strojírenský zkušební ústav, s.p.**  
(Engineering Test Institute, Public Enterprise),  
Product Certification Body  
**Hudcova 424/56b, 621 00 Brno, Czech Republic**

# CERTIFICATE

**B-30-00352-17**

Manufacturer: GMR GAS s.r.o.  
Kopečná 241/20, 602 00 Brno, Czech Republic  
Company ID No: 28274318  
Products: Gas pressure regulators  
Type designation: ALz-6U/AB, ALz-6U/BD, ALz-6U/CE  
Versions: see Page 2  
Manufacturing plant: GMR GAS s.r.o.  
Husova 691, 539 76 Skuteč, Czech Republic

These products have been certified within the meaning of Section 10 of Act 22/1997 Coll., on technical requirements for products and on amendment to certain Acts, as amended. The Engineering Test Institute, Public Enterprise, hereby certifies that the characteristics of the samples of the said products have been found conforming to the requirements stated in

Technical Construction Certificate STO-30-00304-17 of 2017-03-14.

Fulfilment of these requirements is considered to be fulfilment of the essential requirements of Government Regulation 163/2002 Coll., as amended by Government Regulation 312/2005 Coll. and Government Regulation 215/2016 Coll.

This Certificate has been issued on the basis of Final Report on Initial Product Type Testing 30-13433 of 2017-03-31, issued by the Engineering Test Institute, Public Enterprise. The period of validity of the Certificate is limited by the validity of the Final Report on Initial Product Type Testing, i.e. valid until 2020-03-31.

Certification scheme applied: Government Regulation 163/2002 Coll., Section 7.

The rules for using the Certificate are specified on Page 2.

Brno, 2017-03-31



  
Ing. Aleš Onderek  
Deputy Director

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Strojírenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika  
Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic

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## Specification of the products:

|                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                        |                  |                  |
|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------|
| Operating fluid                                                                                                     | Natural gas                                                                                                                                                                                                                                                                                                                                                            |                  |                  |
| Application of the products in construction                                                                         | <b>ALz-6U/AB, ALz-6U/BD, ALz-6U/CE</b> types of gas pressure regulators are devices designed to control the inlet pressure of natural gas in gas supply systems. The installation must be carried out in accordance with the provisions of ČSN EN 12279:2001. The regulators are classified in Group „B“, Class II. The regulators are not declared as fire-resistant. |                  |                  |
| Outlet pressure                                                                                                     | 2 kPa                                                                                                                                                                                                                                                                                                                                                                  |                  |                  |
| Closing pressure                                                                                                    | < 2.6 kPa                                                                                                                                                                                                                                                                                                                                                              |                  |                  |
| Safety relief valve pressure                                                                                        | 2.9 to 3.5 kPa                                                                                                                                                                                                                                                                                                                                                         |                  |                  |
| Safety quick-closing device – pressure $p_{b \max}$                                                                 | 3.6 to 5 kPa                                                                                                                                                                                                                                                                                                                                                           |                  |                  |
| Safety quick-closing device – pressure $p_{b \min}$                                                                 | 0.5 to 1.5 kPa                                                                                                                                                                                                                                                                                                                                                         |                  |                  |
| Class of lock-up pressure zone                                                                                      | SZ 10                                                                                                                                                                                                                                                                                                                                                                  |                  |                  |
| Accuracy class                                                                                                      | AC 15                                                                                                                                                                                                                                                                                                                                                                  |                  |                  |
| Ambient temperature                                                                                                 | - 20 °C to + 50 °C                                                                                                                                                                                                                                                                                                                                                     |                  |                  |
| Body design                                                                                                         | direct                                                                                                                                                                                                                                                                                                                                                                 |                  |                  |
| Connection – Inlet<br>– Outlet                                                                                      | flange DN 25, PN 16<br>flange DN 32, PN 6                                                                                                                                                                                                                                                                                                                              |                  |                  |
| Material – Valve body<br>– Regulator cover<br>– Regulator body<br>– Nozzle<br>– Sealing, Regulation plug, Diaphragm | 42 2425<br>42 4337.03<br>42 4330.31<br>42 3223.31<br>Mixture ZGS KO 100/1, ZGS KO 713                                                                                                                                                                                                                                                                                  |                  |                  |
| Types                                                                                                               | <b>ALz-6U/AB</b>                                                                                                                                                                                                                                                                                                                                                       | <b>ALz-6U/BD</b> | <b>ALz-6U/CE</b> |
| Inlet supply pressure [kPa]                                                                                         | 50 up to 100                                                                                                                                                                                                                                                                                                                                                           | 100 up to 300    | 200 up to 400    |
| Maximum/minimum flow rate [m <sup>3</sup> /h]                                                                       | 90/50                                                                                                                                                                                                                                                                                                                                                                  | 140/40           | 150/50           |

## RULES FOR USING THE CERTIFICATE:

Compliance with the essential requirements of Government Regulation 163/2002 Coll., as amended, has been derived from fulfilment of the requirements set out in the Technical Construction Certificate. The facts and the conditions, under which the present Certificate has been issued, may change due to amendments of harmonized or determined standards, issuance of new standards applicable to the certified products or due to expiration of the Technical Construction Certificate validity. In that case, the usability of the Certificate for the purposes of issuing declarations of conformity for the products being placed on the market must be reviewed.

This Certificate may only be used as a certificate for the products specified on Pages 1 and 2. This also applies to its use in advertising, promotional and commercial materials. Unauthorised or deceptive use of the Certificate may be sanctioned (Section 19 of Act 22/1997 Coll., on technical requirements for products and on the amendment to certain Acts, as amended).

It is prohibited to change, amend or overwrite the data contained in the Certificate.

The Certificate may not be used for the products changed without the consent of the Engineering Test Institute, Public Enterprise, in such a way that conformity with the technical requirements specified on Page 1 has been affected.

