

# EU TYPE-EXAMINATION CERTIFICATE

Application of the  
MSBFS 2011:3 (The European Parliament and the Council Directive 2010/35/EU of 16 June 2010 on Transportable Pressure Equipment)

CERTIFICATE NO.: **12-466227-04, Rev. 3**

This Certificate consists of two (2) pages

THIS IS TO CERTIFY THAT THE EQUIPMENT

## Cylinder Valves

WITH THE TYPE DESIGNATION/EQUIPMENT DESCRIPTION

## PIN INDEX

MANUFACTURED BY

**GCE, s.r.o., CZ-583 01 Chotebor, Czech Republic**

is found to comply with the requirements in § 1, chapter 2 (Article 12) and  
EN ISO 407:2004, EN ISO 10297:2014 and EN ISO 15996:2017

The equipment has been examined with respect to the procedure of conformity assessment as described in the MSBFS 2011:3 (Directive 2010/35/EU) and the current edition of ADR at the time of issuing this certificate.

### APPLICATIONS

Design Pressure min/max: 0/\* bar(g)

Design Temp. range: -20/+65 °C

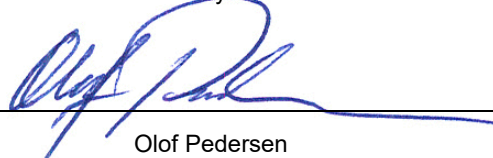
Further details of the product and conditions for the certification are given overleaf.

This Certificate is valid until: 2022-07-31

MALMÖ, 2021-03-29

**Kiwa Inspecta AB**

Notified Body No.: 0409



Olof Pedersen  
Senior Design Review Engineer



Notice: The certificate is subject to terms and conditions, if any, overleaf. Any significant changes in design or construction of the product, the quality system or amendments to the MSBFS 2011:3 (Directive 2010/35/EU) or Standards referenced above may render this certificate invalid. The product liability rests with the manufacturer or his representative in accordance with the MSBFS 2011:3 (Directive 2010/35/EU), as amended.

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### LIMITATIONS

- \*) Max working pressure: 200 bar for valves without bursting disk.  
Max working pressure: 190/ 216/ 250/ 270 bar depending on bursting disk.
- The valve is to be marked with  $\pi$  0409.
  - Certificate valid for "Model No" according to list stamped by Inspecta Sweden AB/ Kiwa Inspecta AB.
  - This certificate replaces EU Type-Examination Certificate No 12-466227-04 Rev. 2 issued 2019-03-10.

### TYPE APPROVAL DOCUMENTATION

- See list stamped by Inspecta Sweden AB/ Kiwa Inspecta AB.

### SUPPORTING DOCUMENTATION

- Risk analysis: DFMEATF01-DFMEA-Pin Index with RPD, Rev. 5\_1.
- Instructions for use.

### TESTS CARRIED OUT

- Technical Report 53017116/99 (Oxygen shock testing).
- Technical Report 2015-107 (Resistance against excessive torque).
- Technical Report 2015-169 (Hydraulic pressure test).
- Technical Report 2004-079 (Fire exposure test for valve operating mechanism).
- Technical Report 2004-080 (Loosening torque of valve operating mechanism).
- Technical Report 2015-259 (Endurance test of operating mechanism, leak test at -30°C).
- Technical Report 2004-060 (Test of safety valve).
- Technical Report 2018-17\_TR1 (Oxygen shock test).
- Technical Report 2018-71\_TR1 (Hydraulic pressure test, Resistance against excessive torque, Internal /external leak tightness, Endurance test of the operating mechanism).
- Technical Report 2018-71\_TR2 (Strength test of the non-return function in the reverse direction, Version of opening pressure and closing-off pressure, Endurance test, Leak tightness test in the reverse direction).
- Technical Report 2018-247\_TR1 (Oxygen shock test),
- Test Report No.: 2020-175\_TR1 (Endurance and leakage tests),
- Test Report No.: 2020-215\_TR1 (RPD Endurance and leakage tests),
- Test Report No.: 2021-13\_TR1 (Resistance to ignition test), and
- BAM Test Report No.: 15019785 I E (Test of the lubricant).

MALMÖ, 2021-03-29

**Kiwa Inspecta AB**

A blue ink signature of Olof Pedersen, consisting of a stylized 'O' and 'P' followed by a horizontal line.

Olof Pedersen  
Senior Design Review Engineer