

Manufacturer's declaration- druvaPUR/TEC Series 20m³/45m³/100m³

Pressure Equipment Directive (2014/68/EU)

All GCE druvaPUR/TEC components manufactured by GCE are pressure equipment in the sense of the European- Directive for Pressure Equipment (Directive 2014/68/EU of May 15 2014) and are treated by us as "pressure accessories" (Article 2, point 5).

By attachment II (diagram 6 / DN < 25 and diagram 7 DN < 32) for all pressure equipment mentioned above is in consequences and in accordance to Article 4 section 3 no CE marking and thus also no Declaration of Conformity permitted.

ISO 7291/ISO 10297

GCE druvaPUR/TEC Valves, Line Regulators, Cylinder Regulators and Manifolds are generally designed, tested, manufactured according requirements of standards ISO 7291 (regulators) or ISO 10297 (valves).

In addition, our regulators of druva PUR/TEC (20 m³ Series) passed special endurance test (10 000 cycles) of standard CGA E-4.

All types of our stainless-steel- diaphragm valves and regulators of druvaPUR/TEC- series passed test of measurement the leakage to atmosphere as part of the above-mentioned type approval test (result- leakage less than 1×10^{-9} mbar l/s Helium).

All druvaPUR Valves, Line Regulators, Cylinder Regulators and Manifolds must pass leakage test done by sniffing method under max. nominal pressure by means of mass-spectrometer (leakage less than 5×10^{-6} mbar l/s Helium) before delivery.

ATEX Directive (2014/34/EU)

All GCE druvaPUR/TEC (20 m³ Series) products (regulators, valves and complete systems assembled with its components) operated according to their internal use within Zone 1 (explosion risk groups IIA, IIB, IIC) are not subject to directive 2014/34/EU. Therefore do not require a particular marking as set out in the scope of the directive.

According to our risk analysis including external tests these products do not pose a potential source of ignition acc. DIN EN 13463-1 and are therefore not required having a CE-mark respectively a declaration of conformity.

Exceptions:

- Electrical devices provided by third party manufactures are subject to the ATEX guideline and will be provided with the declaration of conformity issued by the ultimate manufacturer.

Regulation (EC) No. 1907/2006 (REACH Regulation)

Under the REACH Regulation Article 33, we are obliged to inform you when a delivered product exceeds a substance of the SVHC candidate list for the authorization process (<https://echa.europa.eu/en/candidate-list-table>) to more than 0,1 %. Reference quantity is the smallest component of a compound product (definition under <https://www.reach-clp-biozid-helpdesk.de/de/REACH/Erzeugnisse/EuGH-Urteil/EuGH-Urteil.html>)

Supplied valves, regulators, cylinder regulators, manifolds from our product series druvaTEC 20 m³ and druvaPUR 20 m³ series contains in following overview listened components the substance lead (EC Number: 231-100-4, CAS Number: 7439-92-1) to more than 0.1%. Since lead is bound as an alloying element and therefore no exposure is expected, no additional information on safe use is necessary.

Overview about components of series which contains lead:

Valve:	body; bonnet; poppet, adjustment screw
Regulator:	body; bonnet; encapsulated valve body; encapsulated valve poppet; pressure element of gauges; adjustment screw
Manifolds:	all mentioned parts of valves; all mentioned parts of regulators; body and poppet of relief valve; adapter between regulator and valves; inlet and outlet adapter

“RoHS” – Directive 2011/65/EU

All GCE druvaPUR/TEC (20 m³ Series) products are not under the scope of this directive.

- Electrical and electronic devices provided by third party manufactures as for example contact gauges, pressure sensors or signal boxes must be CE-marked and will be provided up-on request with a declaration of conformity issued by the ultimate manufacturer.



Gas Control Equipment

"M 034e" – Hazardous Substances – Oxygen

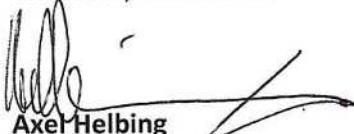
All GCE druvaPUR/TEC (20 m³ Series) products are cleaned for Oxygen operation above 30 bar. All products of mentioned series fall below the limit of the residual oil and fat content required in Chapter 6.3.1.2.5 of code of practice "M 034e".

All brass regulators and valves of druvaPUR/TEC 20 m³ Series which are designed for a maximum working pressure of 300 bar passed Oxygen Pressure Surge Tests according ISO 7291 or ISO 10297 (for Main Shutoff Valves).

Other EC guidelines:

CE marking including declaration of conformity with other European Directives or comments about it on request.

Chotebor, 2020-22-04



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