

## Konformitätserklärung / Declaration of Conformity

für Druckgeräte gemäß der Richtlinie 2014/68/EU  
des Europäischen Parlaments und des Rates  
vom 15. Mai 2014  
(Druckgeräterichtlinie - DGRL)  
über die Konstruktion, Fertigung, Prüfung für

of pressure equipment according to Directive 2014/68/EU  
of the European Parliament and the Council  
of 15 May 2014  
(Pressure Equipment Directive - PED)  
in design, manufacturing, product verification for

### Gelötete Plattenwärmeübertrager / Brazed Plate Heat Exchangers

**Konformitätsbewertungsverfahren nach Anhang II /**  
**Conformity assessment procedure in accordance to Annexure II**  
**Benannte Stelle gemäß DGRL, Artikel 24 /**  
**Notified Body in accordance to PED, article 24**

Modul B (Baumuster) + D /  
Module B (production type) + D  
TÜV Thüringen e.V.  
Melchendorfer Straße 64, 99096 Erfurt,  
Germany

**Registriernummer der Benannten Stelle / Notification number of Notified Body**  
**CE-Kennzeichnung der Druckgeräte / CE marking on pressure equipment**

0090  
**CE - 0090**  
0090 151 0002  
0662 / 52553 / 22

**Zertifikate / certificates**

Modul D / Module D:  
Modul B (Baumuster) / Module B (production type):

**Angaben zum Behälter / Design data of vessel**

**Reihe / Series** GBH, GCH, GKH, GVI (Siehe Typenschild / See name plate)

**Normen, Regelwerk / Standards** Richtlinie 2014/68/EU (DGRL) / Directive 2014/68/EU (PED)  
DIN EN 13445 Unbefeuerte Druckbehälter / Unfired pressure vessels

**Druckgerätegruppe gemäß DGRL, Artikel 4 / Pressure equipment group according to PED, article 4**

(1)

**Fluidgruppe (FG) gemäß DGRL, Artikel 13 / Fluid group (FG) according to PED, article 13**

Gruppe/group 1

**Kategorien der Druckgeräte nach Anhang II / Categories of pressure equipment referring to annexure II**

I; II; III; IV

**Angaben der Betriebsgrenzen / Data of working limits**

(Siehe Typenschild / See name plate)

Reihe, Typ / Series, Type *)	Durchströmung / Flow arrangement	Side 1:	Side 2:	Side 3:	Side 4:
GBH 100	C, U, X, Z, and combinations thereof	TS = 0 ... 150 °C PS = -1 ... 45 bar TS = 0 ... 200 °C PS = -1 ... 40 bar	TS = 0 ... 150 °C PS = -1 ... 45 bar TS = 0 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GBH 100R, 200, 220, 240, 300, 505, 600; GCH 505	C, U, X, Z, and combinations thereof	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GBH 400, 500, 505, 700, 800, 900	C, DS, U, X, Z, and combinations thereof	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GBH 500	DUO, TIO	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = 0 ... 150 °C PS = -1 ... 45 bar TS = 0 ... 200 °C PS = -1 ... 40 bar	Not applicable
GBH 790 H	C	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GBH 900	TD	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = 0 ... 150 °C PS = -1 ... 45 bar TS = 0 ... 200 °C PS = -1 ... 40 bar	Not applicable
GBH 1000 H	C, Z, X, U, DS	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GBH 1000 M	C, Z, X, U	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	TS = -196 ... 150 °C PS = -1 ... 45 bar TS = -196 ... 200 °C PS = -1 ... 40 bar	Not applicable	Not applicable
GKH 108, 228, 229, 770	C, U, X, Z, and combinations thereof	TS = -196 ... 200 °C PS = -1 ... 45 bar	TS = -196 ... 200 °C PS = -1 ... 45 bar	Not applicable	Not applicable
GKH 550 H, M	C, DS, U, X, Z, and combinations thereof	TS = -196 ... 150 °C PS = -1 ... 50 bar TS = -196 ... 200 °C PS = -1 ... 45 bar	TS = -196 ... 150 °C PS = -1 ... 50 bar TS = -196 ... 200 °C PS = -1 ... 45 bar	Not applicable	Not applicable
GKH 550 T	C, DS, U, X, Z, and combinations thereof	TS = -196 ... 150 °C PS = -1 ... 50 bar	TS = -196 ... 150 °C PS = -1 ... 50 bar	Not applicable	Not applicable



Reihe, Typ / Series, Type *)	Durchströmung / Flow arrangement	Side 1:	Side 2:	Side 3:	Side 4:
		TS = -196 ... 200 °C PS = -1 ... 47 bar	TS = -196 ... 200 °C PS = -1 ... 47 bar		
GKH 770	TD	TS = -196 ... 150 °C PS = -1 ... 55 bar	TS = -196 ... 150 °C PS = -1 ... 50 bar	TS = -196 ... 150 °C PS = -1 ... 55 bar	Not applicable
		TS = -196 ... 200 °C PS = -1 ... 50 bar	TS = -196 ... 200 °C PS = -1 ... 46 bar	TS = -196 ... 200 °C PS = -1 ... 50 bar	
GVI 550	C	TS = -196 ... 150 °C PS = -1 ... 17 bar	TS = -196 ... 150 °C PS = -1 ... 17 bar	Not applicable	Not applicable
		TS = -196 ... 200 °C PS = -1 ... 15 bar	TS = -196 ... 200 °C PS = -1 ... 15 bar		

\*) Die Bezeichnung eines gelöteten Plattenwärmetauschers (BPHE) besteht aus Buchstaben und Ziffern zur Beschreibung der Modellreihe und des Typs. Der vollständige Name eines BPHE enthält zusätzliche Buchstaben und Ziffern, die das Plattenmuster, die Plattenaufteilung, die Durchströmung, die Anzahl der Platten oder andere Merkmale beschreiben - z. B. AE, H, L, M. Alle BPHE-Varianten sind abgedeckt, wenn ihre spezifischen maximalen Betriebstemperaturen und maximalen Betriebsdrücke innerhalb der Betriebsgrenzen ihrer Serie, Typ und der Durchströmung, wie oben genannt, liegen. /

The name of a Brazed Plate Heat Exchanger (BPHE) model consists of letters and numerals to describe model series and type. The complete name of a BPHE contains additional letters and numerals describing plate pattern, plate partition, flow arrangement, number of plates or other features – for instance AE, H, L, M. All BPHE variants are covered if their specific maximum working temperatures and maximum working pressures are within the working limits of their series, type and flow arrangements as mentioned above.

**Der Hersteller erklärt hiermit, daß Konstruktion, Herstellung und Prüfung der vorgenannten Druckbehälter den Anforderungen der Richtlinie 2014/68/EU (DGRL) entsprechen.**

**The manufacturer herewith declares that design, production and product verification of pressure vessels mentioned above is in conformity with Directive 2014/68/EU (PED).**

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i.A. Uwe GOTTSCHALK  
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