

The manufacturer confirms that design, manufacturing and testing of the pressure vessel meet the requirements of the Pressure Equipment Directive 2014/68/EU. Subject to change without prior notice.

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Standard Connections				
C-PTL	Size	Length	Primary	Secondary
External Thread				
C	G3/4	S=20,0mm	☐	☐
E	G1	S=20,0mm	☐	☐
Further connections on request!				

A

A

B

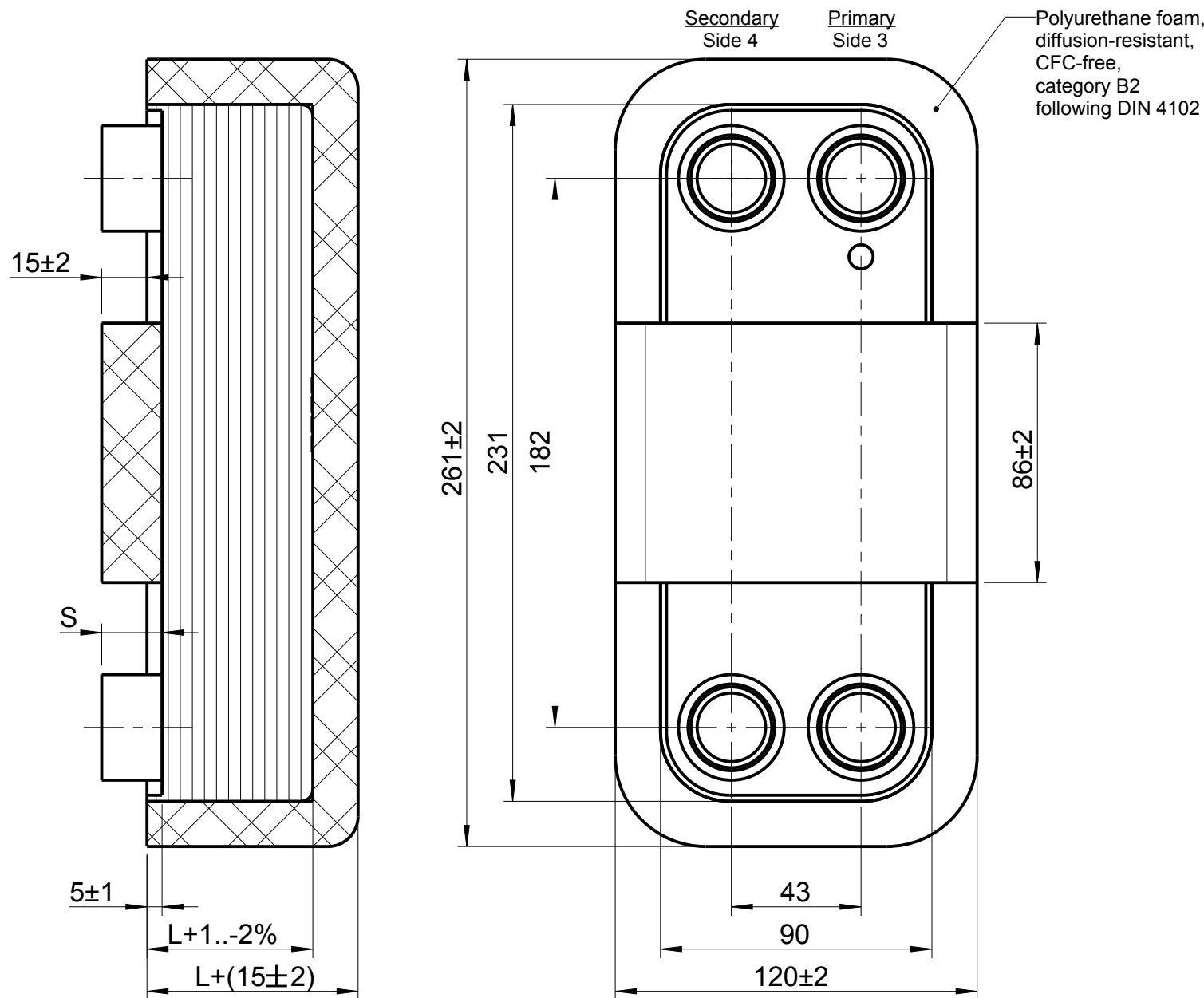
B

C

C

D

D



L=10,2+2,24xN (mm)
(theoretical dimension)

No. of plates (N)	N=4+2xn (4, 6, 8, ... up to 50)
Weight (kg)	W=0,73+0,060xN
Surface (m²)	A=0,018x(N-2)

Approval: PED 2014/68/EU Article 3.3 (SEP), further on request

Dateiname des Zeichnungsobjektes: GBE200H-1604_1610_01-E_INSUL				Dateityp: ASSEM		Dateiname der Zeichnung: GBE200H-1604_1610_01-E_INSUL							
Kelvion Brazed PHE GmbH Remsaer Straße 2a D-04603 Nobitz-Wilchwitz Tel. 03447-5539-0 Fax. 03447-5539-30								Maßstab 1:2					
					Datum	Name		Benennung: Plate Heat Exchanger GBE200H X factory insulated					
				Bear.	07.04.2016	Heller							
				Gepr.	04.10.2016	Schmidt							
				Norm									
								Zeichnungsnummer: GBE200H_INSULATED_EN				Blatt 1	
				Kelvion 								1 Bl.	
01	weight added	04.10.16	Hell.										
Zust.	Änderung	Datum	Nam.	(Urspr.)				(Ers.f.:)		(Ers.d.:)			

Kelvion - Plate Heat Exchanger				Design Limits*	
	Model	Plates	Solder	Temperature	Pressure
☐	GBE200H-... X	1.4404	Copper	-20..+150°C	P/S 16/10 bar
*ATTENTION: Connections may reduce the design limits!					

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Quotation No.:

Kelvion Baltic HVAC Brazed Select PRO 2017.1

Customer	: Siltumsūkņim	Date	: 14.04.22
Reference	: maris@akvedukts.lv	Our Reference	:

Design Duty :

Fluid Name	:	Propylene Glycol	Water
Liquid Concentration	% :	35	-
Inlet Temperature	°C :	57	44
Outlet Temperature	°C :	53	55
Mass Flow Rate	kg/s :	0.764	0.261

Designed Heat Exchanger : Type **GBE200H-40-X** Countercurrent Flow

Heat Load	kW :	12	
Total Heat Transfer Area	m ² :	0.68	
Log Mean Temperature Difference	°C :	4.65	
Overall H.T.C.	W/m ² , °C :	3862/ 3791	
Oversurfacing	% :	2	
Calculated Pressure Drop	kPa :	8.1	0.9
Number of Channels	:		
Total Number of Plates	:	40	

Construction Data :

Plate Material	:	AISI 316	
Connection Material	:	AISI 316	AISI 316
Connection Diameter	in/in :	0.5	0.5
Connection Standard	:	-	-
Connection Locations	In/Out :	F11/F12	F22/F21
Fluid Hold-up Volume	dm ³ :	0.6	0.6
Max. Operating Pressure	bar :	30	
Test Pressure	bar :	39	
Max. Working Temperature	°C :	195	
Length	mm :	126	
Width	mm :	90	
Height	mm :	231	
Weight - Full	kg :	5	
Weight - Empty	kg :	4	

1 x GB 200H-40	Total Price	:	0
Delivery Time	:	-	
Terms of Delivery	:	Ex Works	
Add. Price for Insulation	:	-	
Terms of Payment	:	-	