

Data sheet

# Micro plate heat exchanger (MPHE): XBDW22H

Description



XBDW22 is double wall heat exchanger designed for application where the flow mediums are not allowed to mix. The double wall heat exchanger prevents primary media to be mixed with the secondary media if there is and internal leak in the unit.

Two stainless steel plates separate primary and secondary side with an air gap in between. In the event of a leak, the leaking media flows into the air gap to the outside, enabling visual detection of the leak.applications.

**Approval:**

- Pressure Equipment Directive (PED) Article 3.3 (SEP)
- KIWA ATA

Ordering

1-pass heat exchanger XBDW22H

Picture	No. of plates, n	Code No.		
		Type A	Type B	Type C
	10	-	004H4360	-
	12	-	004H4361	-
	14	004H4350	004H4362	-
	16	004H4351	004H4363	-
	18	004H4352	004H4364	-
	20	004H4353	004H4365	-
	22	004H4354	004H4366	-
	24	004H4355	004H4367	-
	26	004H4356	004H4368	-
	28	-	004H4369	-
	30	-	004H4370	-
	32	004H4357	004H4371	-
	34	-	004H4377	-
	36	-	004H4372	-
	38	-	004H4378	-
	40	-	004H4373	-
	42	-	004H4374	-
	44	-	004H4379	-
	46	-	004H4375	-
	48	-	004H4376	-
	12/12	-	-	004H4382
	16/16	-	-	004H4380
	20/20	-	-	004H4383
	24/24	-	-	004H4381

Accessories-Tailpieces

Picture	Description	Connection	Code No. <sup>1)</sup>
	Solder tailpieces	G 3/4 /15 mm	004B2945
		G 3/4 /18 mm	004B2946
	Weld-on tailpieces	G 3/4 /DN 20	004B2944
	Threaded tailpieces	G 3/4 /G 3/4	004B2947
		G 3/4 /G 1	004B2953

<sup>1)</sup> One set contains 2 tailpieces with union nuts and gaskets

<sup>1)</sup> Connection G1/2" with internal thread used only in type A.  
Position: on back side of Heat exchanger

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Micro plate heat exchanger (MPHE) XBDW22H

Technical data

Max. working pressure	bar	16
Min. / Max. temperature	°C	Primary side -10/180; Secondary side: -10/100
Flow medium		DH: Circulation water / glycolic water up to 50% DC: ethylene-, propylene-glycolic water, ethanol-water solutions and other suitable heat transfer media. (Please contact your Danfoss representative).
Volume/channel	Ltr	0,032
Connection type		Cylindrical thread acc. to DIN ISO 228/1
Connection size		G ¾ ; G ½
Weight	kg	<b>Type A:</b> (0,124 x NoP x 2) + 0,99 <b>Type B &amp; C:</b> (0,124 x NoP x 2) + 0,95

Materials

Plate	Stainless steel, 316 Group
Brazing	Copper (Cu); Copper-Nickel (CuNi)*

\* Available on enquiry

Dimensions

Type	Connection	E (mm)
XBDW22H	G ¾ <sup>1)</sup> ; G ½ <sup>2)</sup>	8 + 1,6 × n

n = number of plates

<sup>1)</sup> Cylindrical thread acc. to DIN ISO 228/1

<sup>2)</sup> Connection with internal thread used only in type A. Position: on back side of Heat exchanger

**Tailpieces**

Picture	Description	Connection	mm			Code No.
			a	b	SW <sup>2)</sup>	
	Solder tailpieces	G ¾ / 15 mm	15	35	32	<b>004B2945</b>
		G ¾ / 18 mm	18	35	32	<b>004B2946</b>
	Weld-on tailpieces	G ¾ / DN 20	21,2	35	32	<b>004B2944</b>
	Threaded tailpieces	G ¾ / G ¾	¾"	40	32	<b>004B2947</b>
		G ¾ / G 1	1"	22	32	<b>004B2953</b>

<sup>2)</sup> Union nut, with across flats