

Data sheet

Micro Plate Heat Exchanger (MPHE): XB25

Description



Micro Plate Heat Exchangers - a revolutionary technology from Danfoss. Characterized by their unique plate pattern, MPHEs enable heat to be transferred more efficient than any previous model of heat exchangers.

Benefits:

- Energy and cost savings
- Better heat transfer
- Lower pressure loss
- More flexible design
- Longer life time

more on:
MPHE.danfoss.com

XB25 is copper brazed heat exchanger, designed and configured for District Heating, District Cooling and other Heating applications.

Approval:

Pressure Equipment Directive (PED).

Ordering

1-pass heat exchanger XB25

Picture	No. of plates, n	Connection	Code No.
	8	Thread G 3/4	004H4324
	10		004H4325
	16		004H4326
	20		004H4327
	26		004H4328
	30		004H4329
	36		004H4330
	40		004H4331
	50		004H4332
	60		004H4333
	66		004H4334

Accessories-Tailpieces

Picture	Description	Connection	Code No. ¹⁾
	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

¹⁾ One set contains 2 tailpieces with union nuts and gaskets

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Micro Plate Heat Exchanger (MPHE) XB25

Technical data

Type		Heat exchanger XB25H
Max. working pressure	bar	25
Max. operating temp.	°C	DH 180, DC 100
Min. operating temp.		-10
Flow medium	"DH: Circulation water / glycolic water up to 50% transfer media. DC: ethylene-, propylene-glycolic water, ethanol-water solutions and other suitable heat transfer media. (Please contact your Danfoss representative)."	
Volume / Channel	Ltr	0.059
Connection type	Cylindrical external thread acc. to DIN ISO 228/1	
Connection size	G $\frac{3}{4}$ "	
Weight	kg	0.09 x NoP + 0.99
Materials		
Plate	Stainless steel, EN 1.4404 (AISI 316L)	
Brazing	Copper (Cu); Copper-Nickel (CuNi)*	

* Available on enquiry

Dimension

Type	Connection	E (mm)
XB25	G $\frac{3}{4}$ " ¹⁾	H: 6.5 + 1.55 x n

n = number of plates
¹⁾ Cylindrical external thread acc. to DIN ISO 228/1

Tailpieces

Picture	Description	Connection	a	b	SW ¹⁾	Code No.
			mm			
	Solder tailpieces	G $\frac{3}{4}$ / 15 mm	15	35	32	004B2945
		G $\frac{3}{4}$ / 18 mm	18	35	32	004B2946
	Weld-on tailpieces	G $\frac{3}{4}$ / DN 20	21.2	35	32	004B2944
	Threaded tailpieces	G $\frac{3}{4}$ / G $\frac{3}{4}$	$\frac{3}{4}$ "	40	32	004B2947
		G $\frac{3}{4}$ / G 1	1"	22	32	004B2953

¹⁾ Union nut, width across flats

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