

Data sheet

Micro plate heat exchanger (MPHE): XB05M

Description



Micro Plate Heat Exchangers - a revolutionary technology from Danfoss.

Characterized by their unique plate pattern, MPHEs enable heat to be transferred more effectively 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

XB05M is copper brazed heat exchanger, designed and configured for District Heating, District Cooling and other Heating applications.

Approval:

Pressure Equipment Directive (PED) 97/23/EC.

Ordering

1-pass heat exchanger XB05M

Picture	No. of plates, n	Connection	Code No.	
	8		004B3555	
	10		004B3556	
	16]	004B3557	
	20		004B3558	
	26		004B3559	
	30	Thread G 34	004B3560	
	36]	004B3561	
	40		004B3562	
	50		004B3563	
	60		004B3564	
	70		004B3565	

Accessories-Tailpieces

Picture		Description	Connection	Code No.1)	
-AI	ıAm	Solder tailpieces	G ¾ /15 mm	004B2945	
	ıНп		G ¾ /18 mm	004B2946	
		Weld-on tailpieces	G ¾ /DN 20	004B2944	
mAi.	ıAm	Threaded tailpieces	G ¾ /G ¾	004B2947	
ш	ıHh		G ¾ /G 1	004B2953	

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

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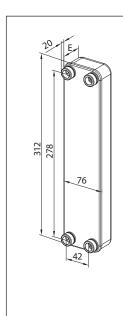
Micro plate heat exchanger (MPHE) XB05M

Technical data

Max. working pressure	bar	25¹)			
Min. / Max. temperature °C		-10/180			
Flow medium		DH: Circulation water / glycolic water up to 50% DC: ethylene-, propylene-glycolic water, ethanol-water solutions and other suitable hea transfer media. (Please contact your Danfoss representative).			
Volume/channel Ltr		0,021			
Connection type		Cylindrical external thread acc. to DIN ISO 228/1			
Connection size		G ¾			
Weight kg		0,58 + 0,045 × n			
Materials					
Plate		Stainless steel, EN 1.4404 (AISI 316L)			
Brazing		Copper			

^{1) 16} bar versions are available on enquiry

Dimensions



Туре	Connection	E (mm)	Weight empty (kg)	
XB05M	G 3/4 A 1)	8 + 1,19 × n	0,58 + 0,045 × n	

n = number of plates

(vlindrical output

Tailpieces

ranpieces						
Picture	Description	Connection	a	b	SW 2)	Code No.
Picture	Description	Connection	mm			Code No.
b a	Solder tailpieces	G ¾ / 15 mm	15	35	32	004B2945
		G ¾ / 18 mm	18	35	32	004B2946
b a	Weld-on tailpieces	G ¾ / DN 20	21,2	35	32	004B2944
b a	Threaded tailpieces	G ¾ / G ¾	3/4"	40	32	004B2947
		G ¾ / G 1	1″	22	32	004B2953

²⁾ Union nut, with across flats

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2 **VD.GS.Y1.02** Produced by Danfoss A/5 © 06/2014

[&]quot; Cylindrical external thread acc. to DIN ISO 228/1