

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	Thread G 3/4	004B3555
	10		004B3556
	16		004B3557
	20		004B3558
	26		004B3559
	30		004B3560
	36		004B3561
	40		004B3562
	50		004B3563
	60		004B3564
	70		004B3565

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

Technical data

Max. working pressure	bar	25 ¹⁾
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 heat 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

Type	Connection	E (mm)	Weight empty (kg)
XB05M - ...	G ¾ A ¹⁾	8 + 1,19 × n	0,58 + 0,045 × n

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

Tailpieces

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

²⁾ Union nut, with across flats