

# E/ F Series-Low Pressure Brazed Plate Heat Exchanger



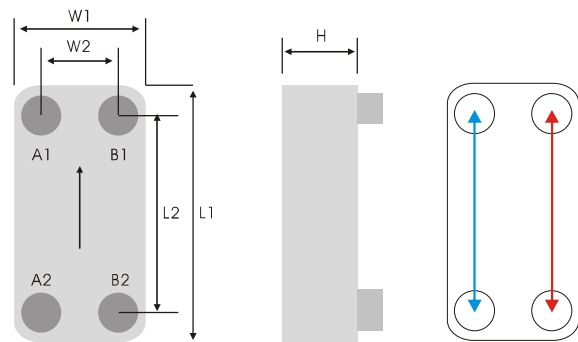
E Series

F Series

E/ F series is aiming at the specification of small volume water to water application. E series is flat cover plate design and F series is economical design (without flat cover plate); also, multi-pass pattern are available upon different working conditions and requests.

Main application: residential gas boiler, district heating, solar heating system.

Brazing Material	Copper			
Model	F025	E030	E040	E060
	(A1,A2/B1,B2)			
Max. Working Pressure (bar)	10/10			
Min. Test Pressure (bar)	15/15			
Max. Working Temperature (°C)	200 °C			



Model	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H Thickness (mm)	Weight (kg)	Heat Transfer Area/ plate (m <sup>2</sup> )	Total Heat Transfer Area (m <sup>2</sup> )	Volume/ Channel (liter)	Total Volume (liter)
F025	206.2	172	74.2	40 / 42	6.5+2.27*N	0.38+0.040*N	0.0120	(N-2)*0.0120	0.025	(N-1)*0.025
E030	194.5	154	80.5	40	7.0+2.25*N	0.47+0.047*N	0.0117	(N-2)*0.0117	0.025	(N-1)*0.025
E040	311	278	73	40	9.0+2.30*N	0.80+0.070*N	0.0195	(N-2)*0.0195	0.040	(N-1)*0.040
E060	466	432	74	40	9.0+2.30*N	0.80+0.10*N	0.0302	(N-2)*0.0302	0.064	(N-1)*0.064

N: number of plates

## Model Selection Chart

RT	kW	BTU/H	Hot Water Temp.	Cold Water Temp.	F025	E030	E040	E060
1.0	3.5160	12000	70°C --> 50°C	10°C --> 60°C	F025x12	E030x12		
2.0	7.0320	24000	70°C --> 50°C	10°C --> 60°C	F025x16	E030x16		
3.0	10.5480	36000	70°C --> 50°C	10°C --> 60°C	F025x22	E030x22		
4.0	14.0640	48000	70°C --> 50°C	10°C --> 60°C	F025x26	E030x26		
5.0	17.5800	60000	70°C --> 50°C	10°C --> 60°C	F025x32	E030x32	E040x10	
7.5	26.3700	90000	70°C --> 50°C	10°C --> 60°C	F025x44	E030x44	E040x14	E060x10
10.0	35.1600	120000	70°C --> 50°C	10°C --> 60°C	F025x56	E030x56	E040x18	E060x12
15.0	52.7400	180000	70°C --> 50°C	10°C --> 60°C			E040x26	E060x18
20.0	70.3200	240000	70°C --> 50°C	10°C --> 60°C			E040x36	E060x24
25.0	87.9000	300000	70°C --> 50°C	10°C --> 60°C			E040x50	E060x30
30.0	105.480	360000	70°C --> 50°C	10°C --> 60°C				E060x40

※ The above information is for reference only; the data will be different under various working conditions and specifications.