

# REPLACEMENT HX'S – PLATE



Kelvion's heat exchangers are easy replacement models for several import brands used in a wide range of HVAC/R equipment. Because Kelvion's design is a "Next Generation" design, all Kelvion models meet or exceed performance and design pressure ratings of these models. **Use the Selection Chart below,**

- Find the Kelvion Model which has the:
- 1) Closest model match, and
  - 2) Design Applications/performance required, and
  - 3) Approximate Unit dimensions

## Selection Table

FlatPlate Model	REPLACES SWEP, Elge Model	REPLACES ALFA-LAVAL Model	REPLACES Triangle & Weil McLain
<b>Fluid to Fluid</b>			
FP5x12L-4 (3/4" MPT)	B5*10 and B8*10	CB25 & CB26-6	TTP1-14E & WMBP1-14E (low gpm applications)
FP5x12L-6 (3/4" MPT)	B5*14 and B8*10	CB25 & CB26-8	TTP1-14E & WMBP1-14E
FP5x12L-8 (3/4" MPT)	B5*20 and B8*16	CB25 & CB26-12	TTP1-20E & WMBP1-20E, TTP3-14 & WMBP3-14
FP5x12-10 (3/4" MPT)	B5*26 and B8*20	CB25 & CB26-14	TTP4-10 & WMBP-10
FP5x12-12 (3/4" MPT)	B5*30 and B8*20	CB25 & CB26-16	TTP1-30E & WMBP1-30E, TTP3-14 & WMBP3-20
FP5x12-14 (3/4" MPT)	B5*36 and B10*20	CB25 & CB26-18	TTP4-14 & WMBP-14
FP5x12-16 (3/4" MPT)	B5*50 and B8*24	CB25 & CB26-24	
FP5x12-20 (1" MPT)	B8*36 and B10*30	CB25 & CB26-28	TTP3-40 & WMBP3-40
FP5x12-24 (1" MPT)	B8*40 and B10*30	CB25 & CB26-34	TTP4-24 & WMBP-24
FP5x12-30 (1" MPT)	B10*40	CB25 & CB26-44	TTP4-30 & WMBP-30
FP5x12-40 (1" MPT)	B10*50	CB25 & CB26-54	
FP5x12-50 (1" MPT)	B10*60	CB25 & CB26-64	TTP4-50 & WMBP-50
<b>Fluid to Fluid</b>			
FP10x20-20 (1-1/2" MPT)	B45*20 & B50*20	CB75*20 & CB76*20	TTP7*20 & WMBP7*20
FP10x20-24 (1-1/2" MPT)	B45*24 & B50*24	CB75*24 & CB76*24	TTP7*24 & WMBP7*24
FP10x20-30 (1-1/2" MPT)	B45*30 & B50*30	CB75*30 & CB76*30	TTP7*30 & WMBP7*30
FP10x20-40 (1-1/2" MPT)	B45*40 & B50*40	CB75*40 & CB76*40	TTP7*40 & WMBP7*40
FP10x20-50 (2" MPT)	B45*50 & B50*50	CB75*50 & CB76*50	TTP7*50 & WMBP7*50
FP10x20-60 (2" MPT)	B45*60 & B50*60	CB75*60 & CB76*60	TTP7*60 & WMBP7*60
FP10x20-70 (2" MPT)	B45*70 & B50*70	CB75*70 & CB76*70	TTP7*70 & WMBP7*70
FP10x20-80 (2" MPT)	B45*80 & B50*80	CB75*80 & CB76*80	TTP7*80 & WMBP7*80

For Larger Models contact your local Kelvion representative.

### Dimensional Fit

For replacement applications, check the dimensional fit for the following units which may be slightly larger or smaller than the unit it is replacing:  
 B5, E5, CB14, TTP1, WMBP1 models are 2.7"H x 8"W, to be replaced with a Kelvion 5x12 model, 4.9"Wx12"H  
 B10, CB25, CB26, TTP4, WMBP4 models are easy fit replacements, 4.0"W to 4.5"W x 12"H, to be replaced with a Kelvion 5x12 model, 4.9"Wx12"H  
 B45, B50, TTP7, WMBP7 models are easy fit replacements, 9.5"W to 10"W x 20"H to be replaced with a Kelvion 10x20 model, 9.75"Wx20"H  
 CB75, CB76 models are 7.5"W x 24.5"H to be replaced with a Kelvion 10x20 model, 9.75"W x 20"H

### Pressure Rating

All Kelvion FP Series models are rated for 450 psi, equal to or greater than the units listed above.  
 Note: TTP1 and WMBP1 models are 150 psi rating.  
 Kelvion MP Marine models can be substituted at 150 psi rating, and MPN models at 300 psi working pressure.

## Failure Analysis

If the unit being replaced has been in service for less than 5 years (Plate heat exchanger or shell/tube), the cause or mode of failure may repeat itself, due to water quality, and other factors.

An MP Marine Series unit is recommended for units being replaced that have been in service less than 5 years.

A failure analysis report can also be performed by Kelvion for non-Kelvion models, for a nominal cost, as part of a replacement heat exchanger order.

## Plate & Frame Replacements

Many Plate and Frame heat exchangers (with gaskets) sometime fail over time and can also be replaced with a Kelvion model.

Information needed for replacement includes dimensions of the plates, number of plates, and gpm flow rates.

Please contact your local Kelvion representative for assistance.