

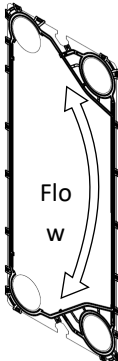
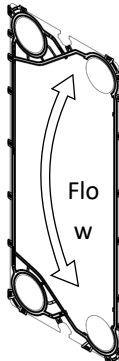
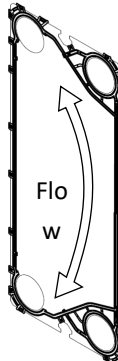
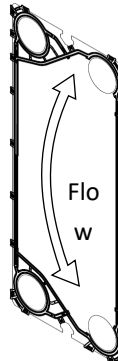
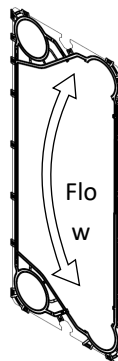
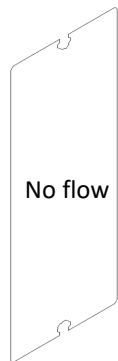


1. Plate Heat Exchanger (PHE) / Range of heat transfer plate

PHE's element is made up of heat transfer plates and plate gaskets.

For this model, a cassette in which two heat transfer plates are joined by welding is sometimes used at the rearmost position.

The first heat transfer plate between S-Frame, L-Frame, C-Frame and E-Frame is called "D-Plate". The last cassette / plate is called "E-cassette" / "E-Plate". Plates between D-Plate and E-cassette/E-Plate are called "Channel Plate". Plate arrangement shall follow the below illustration. First and end cassette / plate in the table below shows the case of A-Plate.

First plate	Channel plates	End plate (The figure below shows the case of the E-plate.)
 No flow	    ... B-Plate A-Plate B-Plate A-Plate	  Front side Back
Refer to section “D-Plate” for gasket installation.	Refer to section “Channel-Plate” for gasket installation.	Refer to section “E-cassette / E-Plate” for gasket installation.

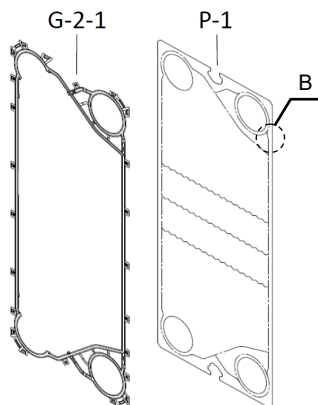
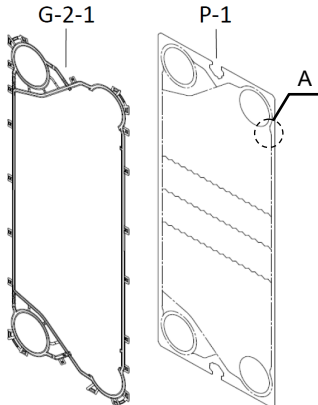
- Gasket has each type, style, size and setting position depend on PHE models.
- For gasket installation, refer to the manual "12-3-2 Replacement of Plate Gasket" in the "Operation and Maintenance Manual".
- Refer to "Mixed Gasket Materials Manual" for several composition materials.
- For checking the model of the device you are using, refer to the manual "7 Model Description" in the "Operation and Maintenance Manual".
- The thickness of D-Plate and E-cassette / Plate is 0.5mm regardless of the thickness of Channel plate. If the thickness of the Channel plate is 0.4mm (ex: model ZEX-214S, ZEX-224S), please identify and be careful not to mix when disassembling.
- The plate thickness can be checked from the lot number stamped on the plate.

Ex) ZEX214 (thickness 0.4mm), ZEX215 (thickness 0.5mm)

Note1) When purchase gaskets from our company, make sure the latest information because shape of gasket may change without prior notice.

2. Type and name of heat transfer plate and gasket.

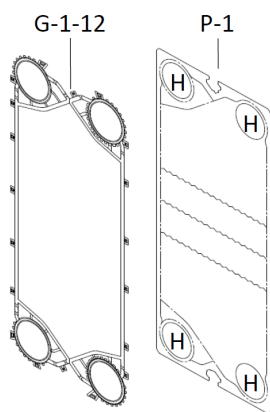
Channel-Plate

Structure common to all model	
B-Plate with gasket 	A-Plate with gasket 
Detail of A  The A-Plate has no concave-convex on the upper right side.	
Detail of B  The B-plate has concave-convex on the upper right side.	
P-1	PLATE (4-HOLES)
G-2-1	PLATE GASKET

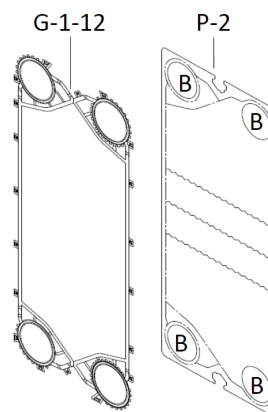
D-Plate

ZEX-20S,20M

4-Holes



Without holes



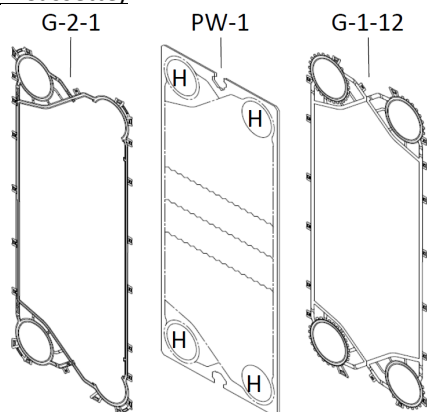
P-1	PLATE (4-HOLES)	G-1-12	DC PLATE GASKET
P-2	PLATE (WITHOUT HOLES)		

Note2) D-Plate in the table above shows the case of A-Plate.

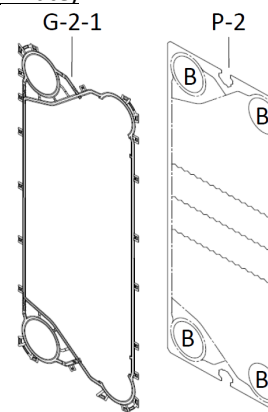
E-Cassette / E-Plate

ZEX-20S,20M

4-Holes(E-Cassette)



Without holes(E-Plate)



P-2	PLATE (WITHOUT HOLES)	G-1-12	DC PLATE GASKET
PW-1	PLATE CASSETTE (4-HOLES)	G-2-1	PLATE GASKET

Note3) E-Cassette / E-Plate in the table above shows the case of A-Cassette / A-Plate.

Note4) If there is a hole in any location, it is classified as an E-cassette; it is classified as an E-plate only if a blind plate is used.

Note5) For other product information and inquiries, please refer to our website and "2 Operation and Maintenance Manual".

(HP : <https://www.hisaka.co.jp/english/>)