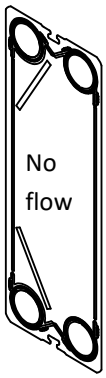
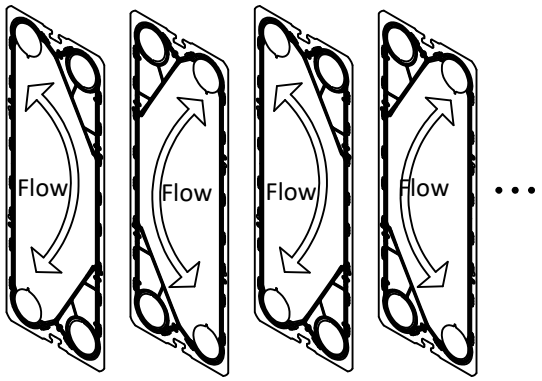
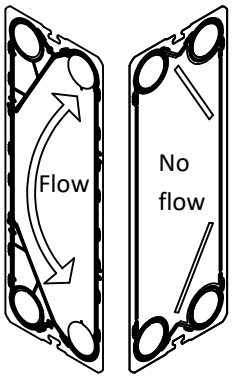
1. Plate Heat Exchanger (PHE) / Arrangement of heat transfer plate

PHE's plate pack consists of Heat transfer plate and Plate gasket.

The first heat transfer plate between S-Frame, L-Frame, C-Frame and E-Frame is called "D-Plate". The end plate is called "E-Plate".

Plates between D-Plate and E-Plate are called "Channel Plate". Plate arrangement shall follow the below illustration.

First and end plate in the table below shows the case of A-Plate.

First plate	Channel plates	End plate
	 B-Plate A-Plate B-Plate A-Plate	 Surface Back
Refer to section "D-Plate" for gasket installation.	Refer to section "Channel-Plate" for gasket installation.	Refer to section "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".
- 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 ".

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

Note2) Check the markings on the top or bottom of center of plate.
For plate marked "GX-21", attach the gasket to marked surface according to figure of GX-21.
For plate marked "GX-22", attach the gasket to back side of the marked surface according to figure of GX-22.
In addition, for both GX-21 and 22, surface with slit on the outer peripheral convex part of gasket groove of plate is the gasket mounting surface.

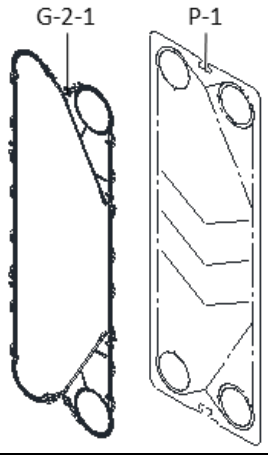
Note3) Check the markings on the top or bottom of center of plate. The side with the marking is the gasket mounting surface of the GX-51, and the side without the marking is the gasket mounting surface of the GX-52.

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

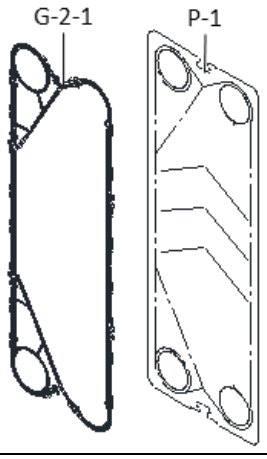
Channel-Plate

Common structure for all model

B-Plate with gasket

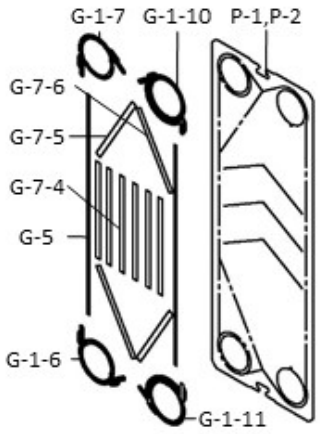
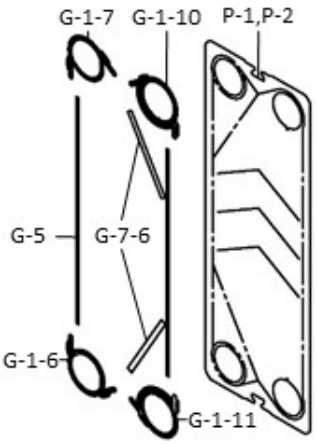
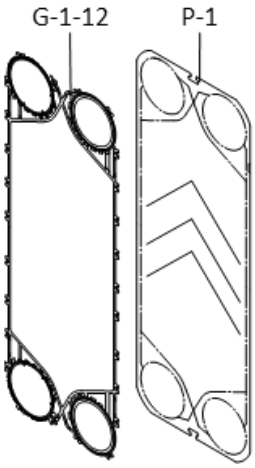


A-Plate with gasket



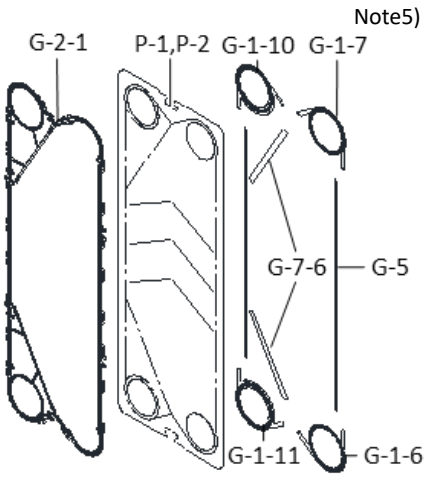
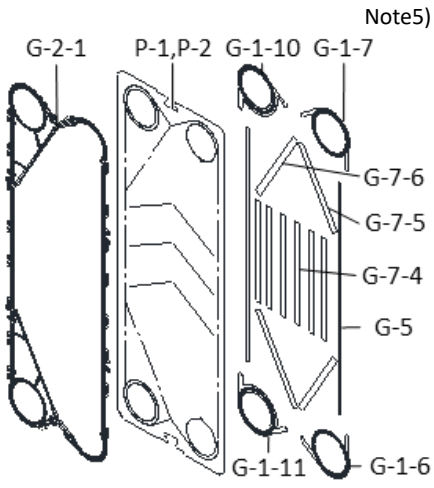
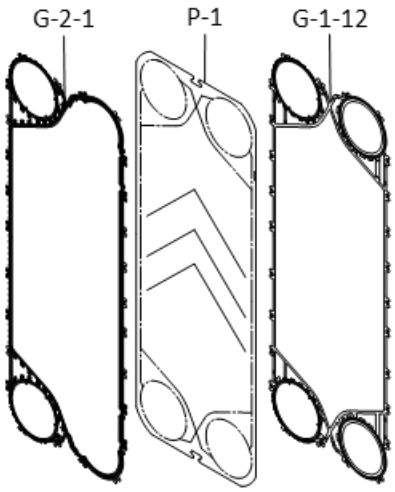
P-1	PLATE (4-HOLES)	G-2-1	PLATE GASKET

D-Plate

GX-21	GX-22	GX-50
4-Holes / Without holes	4-Holes / Without holes	4-Holes
		

P-1	PLATE (4-HOLES)	G-1-12	DC GASKET
P-2	PLATE (WITHOUT HOLES)	G-5	S DISTANCE Note6)
G-1-6	DA-R GASKET	G-7-4	P DISTANCE
G-1-7	DA-L GASKET	G-7-5	
G-1-10	DB-R GASKET	G-7-6	
G-1-11	DB-L GASKET		

E-Plate

GX-21	GX-22	GX-50
4-Holes / Without holes	4-Holes / Without holes	4-Holes
		

P-1	PLATE (4-HOLES)	G-1-12	DC GASKET
P-2	PLATE (WITHOUT HOLES)	G-2-1	PLATE GASKET
G-1-6	DA-R GASKET	G-5	S DISTANCE Note6)
G-1-7	DA-L GASKET	G-7-4	P DISTANCE
G-1-10	DB-R GASKET	G-7-5	
G-1-11	DB-L GASKET	G-7-6	

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

Note4) When using the GX-23 type, check whether the D / E plate is GX-21 or GX-22 from Plate Arrangement Drawing of the device.

Note5) When attaching the E plate, cut the protrusion and attach the DA-R, DA-L, DB-R and DB-L gasket with a bond.

Note6) For dimensions of G-5, refer to "3. S Distance (G-5) Dimension Table".

Note7) D and E-plates of GX-50 are a 4-Holes plates only.

3. S Distance (G-5) Dimension Table

Model	D-Plate / E-Plate	Holes	Dimension [mm]	Number
GX-21	D-Plate / E-Plate	4-Holes / Without holes	870	2
GX-22	D-Plate / E-Plate	4-Holes / Without holes	870	2

Note7) Cut according to the dimensions in the table, and attach according to the figure in "2. Type and name of heat transfer plate and gasket."

Note8) Notation is a representative dimension. Please install the small parts according to the actual product.

Note9) For other product information and inquiries, please refer to our website and "2 Operation and Maintenance Manual".
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