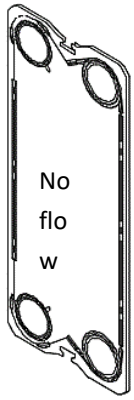
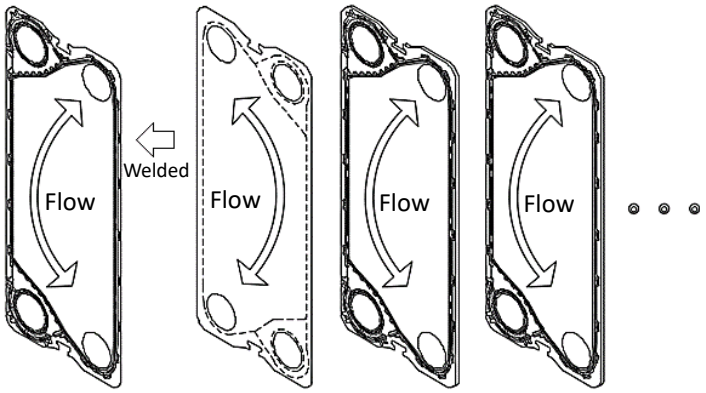
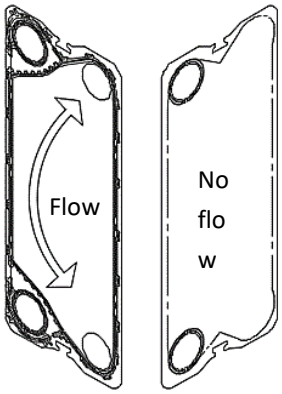
1. Plate Heat Exchanger (PHE) / Arrangement of heat transfer plate

PHE's plate pack consists of Heat transfer plate and Plate gasket. In this model, the plate pack consists of one plate cassette (welded two heat transfer plates) and Plate gasket.

The first plate cassette between S-Frame, L-Frame, C-Frame and E-Frame is called "D-Cassette". The end plate cassette/plate is called "E-Cassette/E-Plate". Plate cassettes between D-Cassette and E-Cassette/E-Plate are called "Channel cassette".

The arrangement shall follow the below illustration.

First plate cassette	Channel cassettes	End plate cassette/plate
		
Refer to section "D-Cassette" for gasket installation.	Refer to section "Channel-Cassette" 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".
- 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 ".

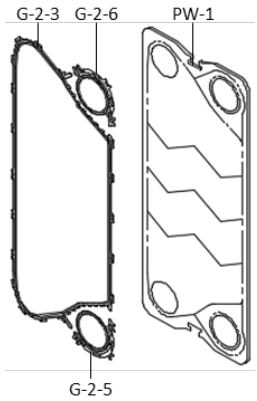
Note1) When purchase gaskets from our company, make sure the latest information because shape of gasket may change without prior notice.

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

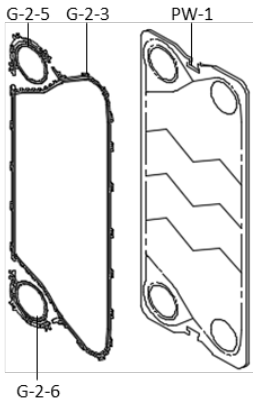
Channel-Cassette

WX-11, WX-13 (note2)

B-Cassette with gasket

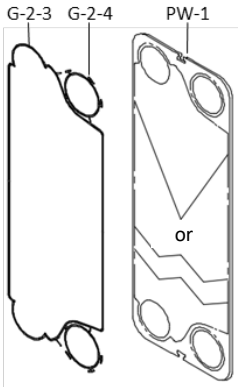


A-Cassette with gasket

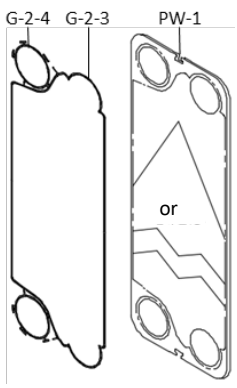


WX-13 (note3) ,53,90, WH-30

B-Cassette with gasket



A-Cassette with gasket

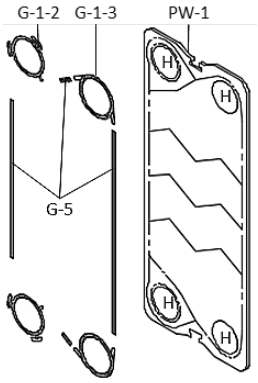
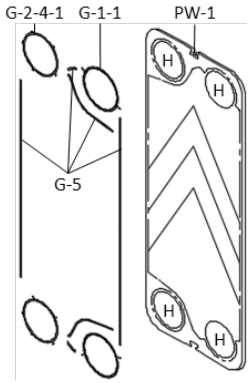
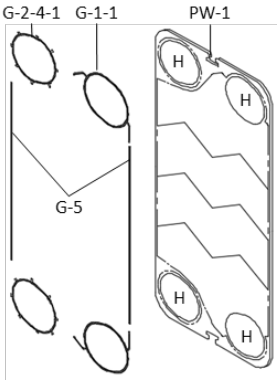
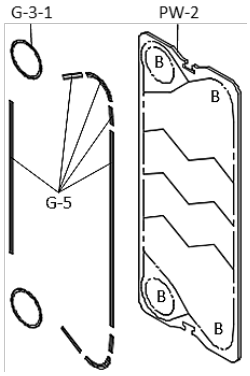
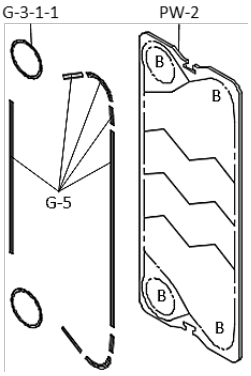
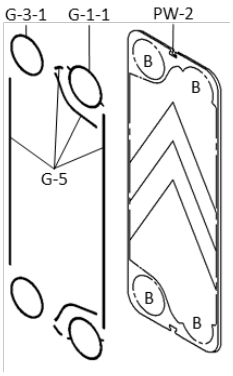
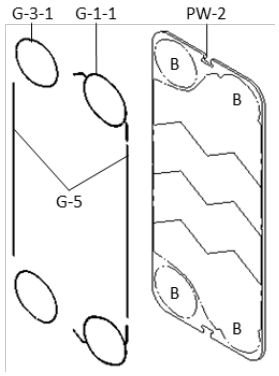


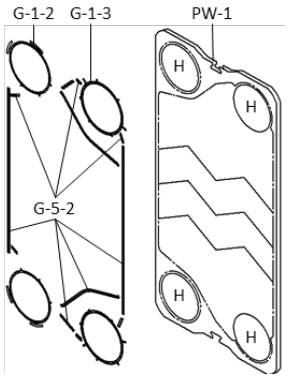
PW-1	PLATE CASSETTE (4-HOLES)
G-2-3	PLATE GASKET (TRAPEZIUM)
G-2-4	RING GASKET
G-2-5	RING GASKET L
G-2-6	RING GASKET R

Note2) Ring Gasket material : TCG (PTFE cushion gasket)

Note3) Ring Gasket material : Rubber

D-Cassette

WX-11	WX-13	WX-53	WX-90
4-Holes 		4-Holes 	4-Holes 
Without holes 	Without holes 	Without holes 	Without holes 

WX-30 ※No “Without holes”
4-Holes 

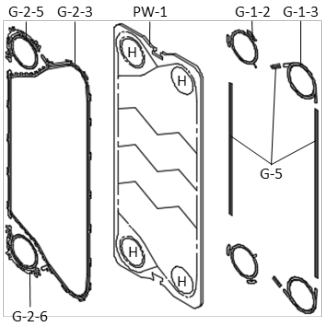
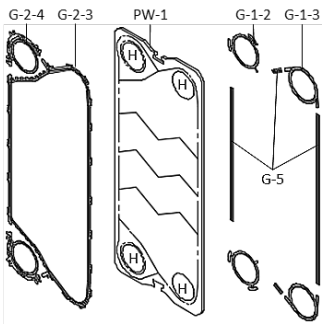
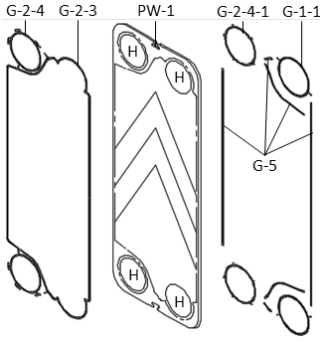
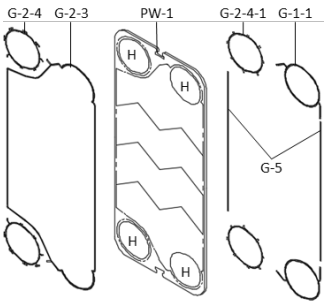
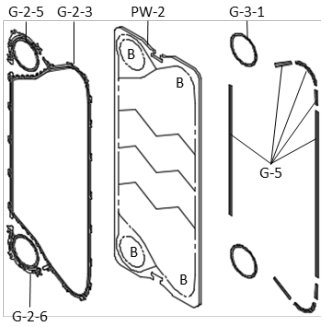
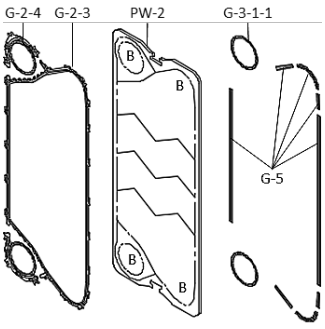
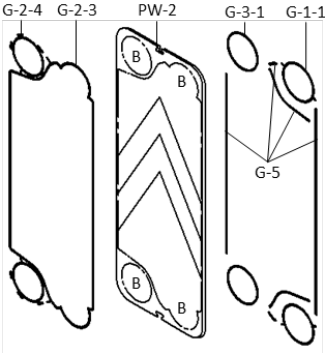
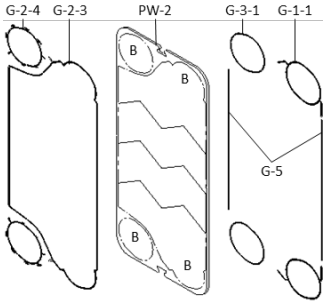
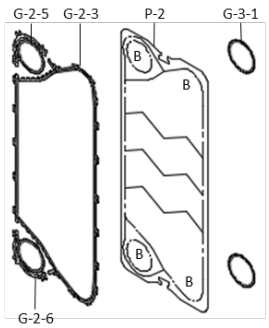
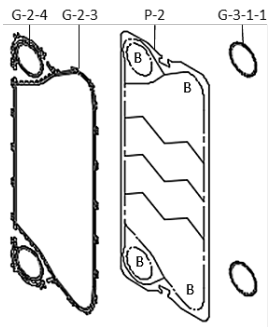
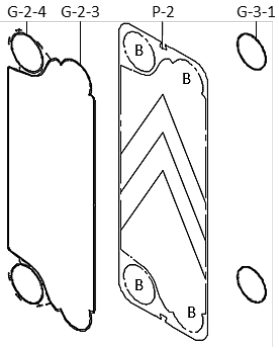
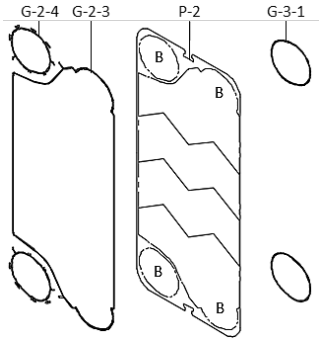
H: Hole B:Blind

PW-1	PLATE CASSETTE (4-HOLES)	G-2-4-1	RING GASKET (CUTTING)
PW-2	PLATE CASSETTE (WITHOUT HOLES)	G-3-1	E GASKET
G-1-1	D GASKET	G-3-1-1	E GASKET (CUTTING)
G-1-2	DA GASKET	G-5	S DISTANCE Note5)
G-1-3	DB GASKET	G-5-2	

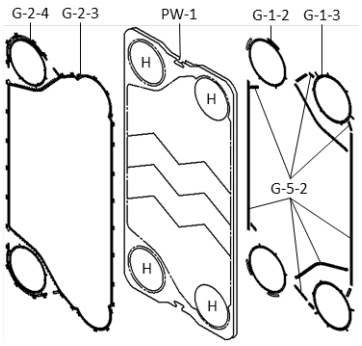
Note4) D-Cassette in the table above shows the case of A-Cassette.

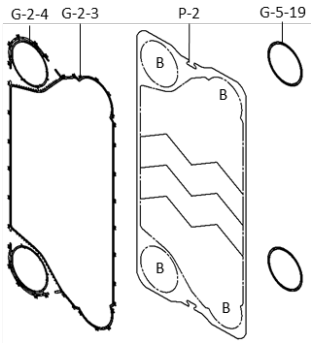
Note5) For dimensions of G-5, refer to "3. S Distance (G-5) Dimension Table".

E-Cassette/E-Plate

WX-11	WX-13 (note6)	WX-53	WX-90
4-Holes 	4-Holes 	4-Holes 	4-Holes 
Without holes (E-Cassette) 	Without holes (E-Cassette) 	Without holes (E-Cassette) 	Without holes (E-Cassette) 
Without holes (E-Plate) 	Without holes (E-Plate) 	Without holes (E-Plate) 	Without holes (E-Plate) 

WH-30 ※No “Without holes”	
4-Holes	Without holes (E-Plate)





H: Hole B:Blind

P-2	PLATE (WITHOUT HOLES)	G-2-4-1	RING GASKET (CUTTING)
PW-1	PLATE CASSETTE (4-HOLES)	G-2-5	RING GASKET L
PW-2	PLATE CASSETTE (WITHOUT HOLES)	G-2-6	RING GASKET R
G-1-1	D GASKET	G-3-1	E GASKET
G-1-2	DA GASKET	G-3-1-1	E GASKET (CUTTING)
G-1-3	DB GASKET	G-5	S DISTANCE Note8)
G-2-3	PLATE GASKET (TRAPEZIUM)	G-5-2	
G-2-4	RING GASKET	G-5-19	

Note6) The gasket shown for attachment to the surface of the WX-13 E-cassette/plate is a ring gasket made of rubber.
For TCG (PTFE cushion gasket) applications, please refer to the section on “Channel-Cassette”.

Note7) E-Cassette/E-Plate in the table above shows the case of A-Cassette/A-Plate.

Note8) For dimensions of G-5, refer to "3. S Distance (G-5) Dimension Table".

3. S Distance (G-5) Dimension Table

Model	D- Cassette / E- Cassette / E-Plate	Holes	Dimension [mm]	Number
WX-11	D- Cassette / E- Cassette	4-Holes	680	1
			580	1
			30	2
		Without holes	680	1
			530	1
			140	2
			90	2
			60	2
	E-Plate	Without holes	N/A	
WX-13	D- Cassette / E- Cassette	4-Holes	720	1
			530	1
			70	2
		Without holes	720	1
			530	1
			140	2
			70	2
			40	2
	E-Plate	Without holes	N/A	
WX-53	D- Cassette / E- Cassette	4-Holes / Without holes	1410	1
			1210	1
			410	2
			50	2
	E-Plate	Without holes	N/A	
WX-90	D- Cassette / E- Cassette	4-Holes / Without holes	1410	1
			1380	1
	E-Plate	Without holes	N/A	
WH-30	D- Cassette / E- Cassette	4-Holes	870	1
			710	1
			360	2
			90	2
			30	2
			20	2
			15	2
		Without holes	N/A	
	E-Plate	Without holes	640	2

Note9) 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."

Note10) Notation is a representative dimension. Please install the small parts according to the actual product.

Note11) For other product information and inquiries, please refer to our website and "2 Operation and Maintenance Manual".
（HP：https://www.hisaka.co.jp/english/）