

RVBP

BRAZED PLATE HEAT EXCHANGER

INTRODUCTION

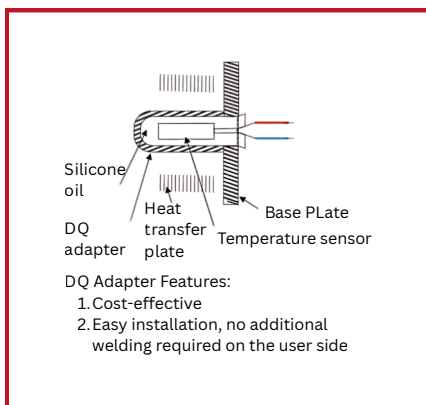
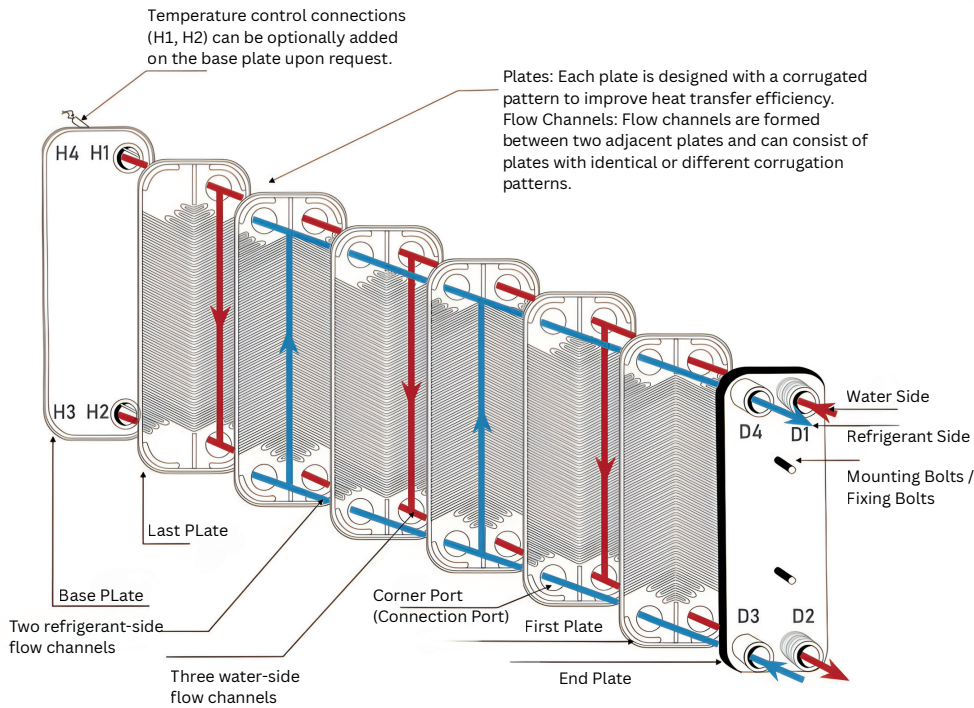
Plate heat exchangers are versatile heat transfer equipment widely used in industries such as machinery, power generation, chemical processing, and pharmaceuticals, where heat exchange is required.

Depending on the material of the heat transfer plates, they are suitable for heat exchange between various media, including water-to-water, water-to-oil, water-to-steam, as well as refrigerants and air.

Due to the corrugated plate design and cross-flow arrangement, plate heat exchangers can generate turbulence even at relatively low Reynolds numbers ($Re = 50-200$). As a result, their heat transfer coefficient is typically 3 to 5 times higher than that of traditional shell-and-tube heat exchangers.



STRUCTURE OF BRAZED PLATE HEAT EXCHANGER

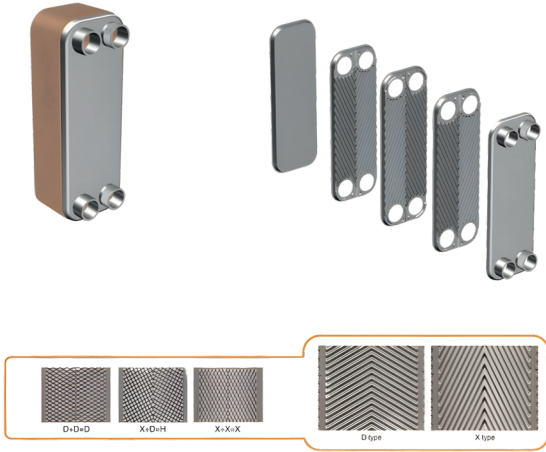


FEATURES

Brazed Plate Heat Exchangers: These are categorized into copper-brazed and nickel-brazed types. The heat transfer plates are generally manufactured from stainless steel grades SS316L or SS304.

Design Pressure: 3.0–4.5 MPa

Design Temperature Range: -160°C to 220°C



PRODUCT FEATURES

- Compact design for easy installation
- Suitable for high-temperature applications (up to 250°C)
- High heat transfer efficiency
- Designed for high-pressure operation (up to 45 bar)

APPLICATIONS

- Evaporators and condensers for commercial air conditioning systems
- Engine oil cooling for vehicles
- Economizers for large HVAC systems
- Transmission oil cooling
- Oil cooling applications

PRODUCT SPECIFICATION

Models	Evaporator (TR)	Condensor (TR)	Evaporator (KW)	Condensor (KW)	A (mm)	E (mm)	B (mm)	D (mm)	C Thickness (mm)	Weight (Kgs)
RVBP-C026-14	1	1.3	3.5	4.38	311	250	111	50	43	2.6
RVBP-C026-20	2	2.5	7	8.75					56	3.17
RVBP-C026-30	3	3.8	10.5	13.13					79	4.02
RVBP-C026-44	5	6.3	17.5	21.88					111	5.21
RVBP-C050-34	7.5	9.4	26.25	32.81	527	466	111	50	89	7.94
RVBP-C050-46	10	12.5	35	43.75					116	9.86
RVBP-C050-70	12.5	15.6	43.75	54.69					171	13.7
RVBP-C050-90	15	18.8	52.5	65.63					216	16.9
RVBP-C050-100	17.5	21.9	61.25	76.56					239	18.5

Note:

1. Our BPHE range is available from 6-plate to 200-plate configurations.
2. We are continuously upgrading our products; specifications are subject to change without prior notice.

