THERMAL IQ
2/8 GUNYA STREET
REGENTS PARKS NSW 2143

(02) 8710 8106

BRAZED PLATE HEAT EXCHANGERS

Australian Engineering Expertise, Backed by Global Capability



The principles at Thermal IQ have been at the forefront of providing innovative HVAC solutions across Australia and Southeast Asia dating back to 1946 – now with more than six decades of combined experience. Our family is one of the founders of the Australian HVAC manufacturing industry with our roots being in cooling for the rail industry.
We are now expanding into heat pumps and heat transfer solutions to ensure we are able to offer our expertise for the coming electrification of heating water for all industry.

While the industry has pulled back from OEM manufacturing in Australia – we remain committed to local manufacturing to ensure the expertise is not lost and we are better able to respond to our customer needs with clear and reliable information.

Our wide range of brazed plate heat exchangers set new market standards for efficiency, reliability and serviceability.

Built for efficiency, reliability, and long service life - even under high pressures - these brazed units are a smart choice for heating, cooling, evaporation, and condensing across countless industries. Automated production and modern engineering enable rapid customization, ensuring every exchanger delivers toptier performance, cost efficiency, and dependable operation.

Areas of use: Single phase (water/water, glycol, oil coolers etc.) - Evaporators - Condensers - Economisers - Gas Subcoolers - CO2 Gas Coolers

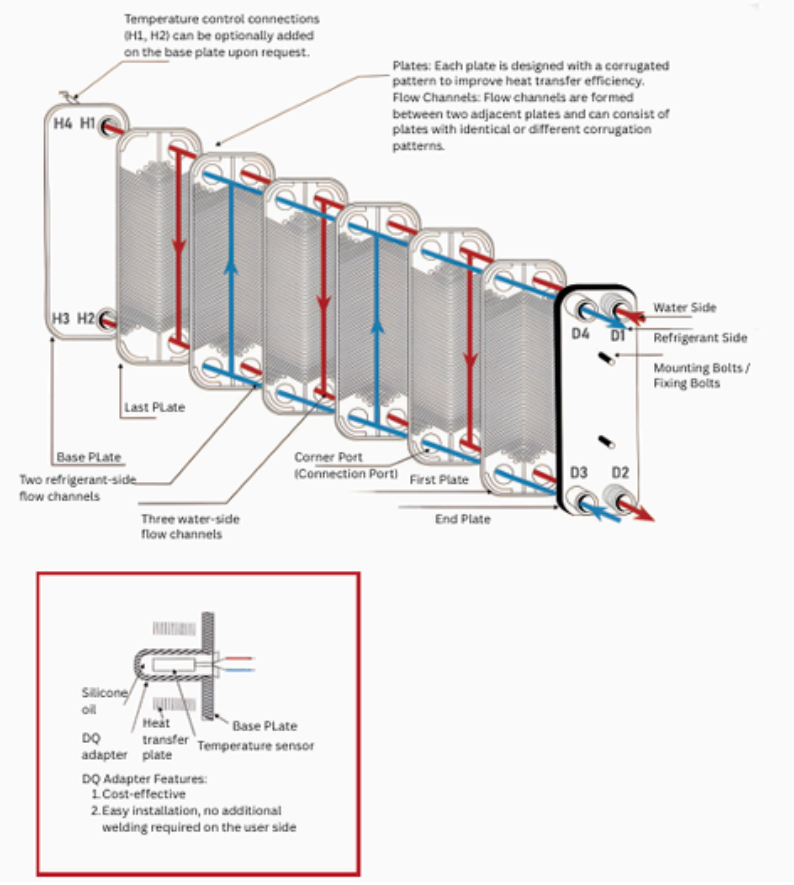


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GENERAL INFORMATION

Design pressure - bar	Up to 120 Bar
Operating temperatures available - °C	0-225
Available plate materials	Stainless 316, Mo Steel
Brazing materials	Copper, Stainless
Available gasket materials	NBR, EPDM, FKM (Viton) and more
Available connection sizes	Up to DN150, 6”
Connection types	• Thread • Solder • Weld • Flange • Victaulic • SAE

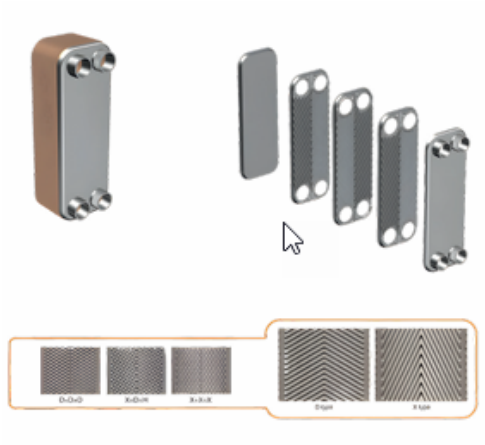


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INDUSTRIES SERVED

- HVAC AND R
- POWER GENERATION
- MARINE
- PROCESS APPLICATIONS
- FOOD PREP
- RENEWABLE ENERGY
- DATA CENTRES COOLING



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

We continuously refine and enhance our brazed plate heat exchanger portfolio to meet evolving thermodynamic and hydraulic requirements. Through ongoing innovation and advanced engineering, we ensure optimal performance, operational reliability, and maximum economic value for our customers.

PRODUCT SPECIFICATIONS

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

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THERMAL IQ PRODUCTS/ SERVICES

- General engineering support and HX sizing
- Pump and transfer skids
- Buffer tanks
- CAD support
- High temperature CO2 heat pumps
- Hot water heat pumps
- Chillers
- Swimming pool heat pumps
- HX Service and repair



CONTACT

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