

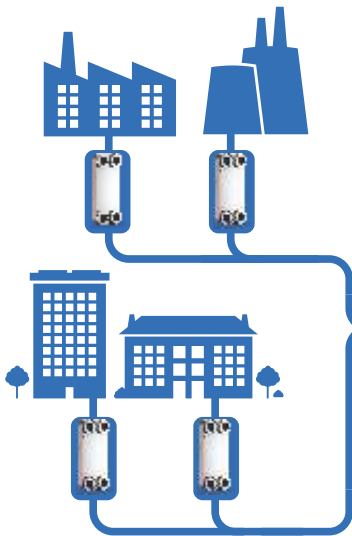
Highest capacity brazed plate heat exchangers for district heating and district cooling



- Complete range developed for district energy
- Well-proven in millions of installations worldwide
- 8 MW heating or 1.5 MW cooling with one single unit
- Low maintenance and life-cycle costs
- Close temperature approaches at high operating pressures
- Easy to expand for future capacity needs

- HEAT TRANSFER TECHNOLOGY -

BPHE (Brazed PHE)		Gasket PHE
Features	Benefits	Concerns
HIGH THERMAL PERFORMANCE • 95% of the material in BPHEs is used to transfer heat • Plate design optimized for high turbulence	Small footprint/installed area	Large installed area (double or more)
	Lightness (no bolts or frame)	Heaviness - for the same heat transfer area, a gasket PHE typically weighs twice as much as a BPHE
COMPACTNESS • NO bolts or frame	Easy to install, requires little space, and is cheap and easy to transport	Large dimensions make all transport and installation operations difficult
WEAR OF COMPONENTS	No wear on components. No rubber parts. Unit is 100% metal	Rubber gaskets need to be replaced (additional cost)
MAINTENANCE	All units are factory-assembled and tested - no dismantling. Cleaning in place makes on-site maintenance swift and easy	Units need to be dismantled
EXTENSION OF CAPACITY	Simply dock an additional unit between the pipe and the installed unit	Units need to be dismantled and retested, increasing the maintenance time and the risk of gasket and plate damage



In a district cooling network, cold water distributed from the plant and the B649 is used in substations to link to the building's cooling system, where it is used to cool the air.

In a district heating network, the B649 acts as a pressure breaker between the plant and the residential or industrial building's substations.

