## **Danfoss Brazed Plate Heat Exchanger**Installation guide



This product is a Danfoss Brazed Plate Heat Exchanger. Please follow the instructions relating to installation, commissioning, maintenance and service.

Instructions are available:

- Scanning QR code on this page:
- On Danfoss website: <a href="https://www.danfoss.com/en/products/dhs/heat-exchangers/">https://www.danfoss.com/en/products/dhs/heat-exchangers/</a>
- Or contact your local Danfoss representative

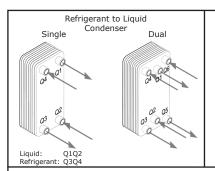




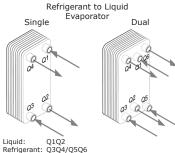


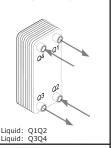
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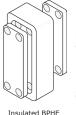


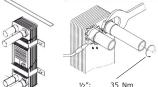
M10: 25 M12: 35





Liquid to Liquid





(a)			
ļ	1/2":		Nm
	1":	155	Nm
	1-1/2":	350	Nm
Nm	2":	600	Nm
Nm	2-1/2":	1450	Nm
Nm	3":	2460	Nm
Nm	4":	4050	Nm

**Insulation:** It is recommended that the product be insulated during operation. Use insulation to create a vapor barrier and prevent heat losses.

**Mounting:** Never expose the unit to pulsations or excessive cyclic pressure or temperature changes. It is also important that limit vibrations as much as possible by installing vibration absorbers. For large connection diameters, it is advisable to use an expanding device in the pipeline. A buffer between the BPHE/MPHE and the mounting clamp (e.g. a rubber mounting strip) is also recommended to prevent the water hammer.

**Brazing:** Braze using 45% or above silver brazing. Brazing temperature should be lower than 800°C. Take care to avoid directing the flame at the heat exchanger. Use a wet cloth or cooling water to protect the connection against overheating. Use nitrogen gas to protect the inside of the heat exchanger from oxidation.