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| Project specification HVACGasketed plate heat exchangers |

The plate heat exchangers are with parallel flow in countercurrent.

The plate connection will be of the **Omega Port** type, which through its enlarged non-circular section, increases the fluid passage area, thus improving pressure drop and thermal efficiency of the plate.

The fluid distribution area inside the channel must be of the **Curve Flow** type to ensure uniform distribution over the entire surface of the plate, thus minimizing the risk of fouling/scaling.

The plate will be of the **Flex Flow** type (with asymmetric channels) to improve thermal efficiency and optimize the use of pressure drop. It improves thermal efficiency and optimizes the exploitation of pressure drops by eliminating the compromise between thermal efficiency and pressure drops for applications with different flow rates on the two circuits of the heat exchanger.

The gaskets must be of the **ClipGrip** type without adhesive, with 2 connection points between the clip and the gasket and 3 attachment points to the plate, to ensure grip and sealing.

The gasket seating will be of the **Offset gasket** **groove** type which increases the plate's exchange surface, being located almost on the edge of the plate, ensuring maximum heat transfer efficiency.

The tightening bolts will be equipped with **Bearing-boxes** that facilitate the opening of the plate pack for s smooth and efficient maintenance.

**AHRI CERTIFICATION**

* **The plate heat exchangers must be AHRI certified in accordance with the 'AHRI Standard 400-LLHE Program' certification program**.
* The specifications of the exchangers and construction drawings, as per the procedure in force, must bear the AHRI logo shown below.
* The logo is also displayed on the fixed plate of the frame.

