

**INTERPRETATION IC 90.4-2022-1 OF
ANSI/ASHRAE STANDARD 90.4-2016
Energy Standard for Data Centers**

Approved: November 25, 2024

Request from: Tracey Putnam, 5400 International Trade Dr., Richmond, VA 23231.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 90.4-2022, Section 6.4.1, regarding inclusion of plate and frame heat exchangers.

Background: Plate heat exchangers do not consume power and therefore do not have an efficiency rating. The title of Section 6.4.1 therefore implies that this section does not apply to plate heat exchangers. The subpoints, however, align perfectly with the AHRI 400 performance standard and certification program.

Interpretation: Section 6.4.1 does not include the performance standard AHRI 400 for plate and frame heat exchangers.

Question: Is this interpretation correct?

Answer: Yes, Section 6.4.1 does not include any performance standards including AHRI 400.

Comments: Heat exchangers are already covered indirectly. The designer will need to account for the pressure losses through the heat exchanger when sizing the pumps which are part of the MLC calculation.