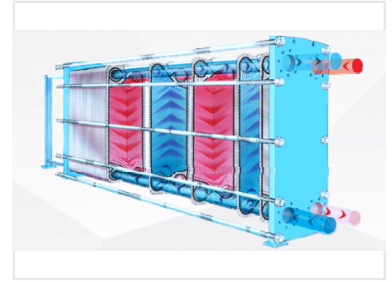


# Plate and Frame Heat Exchanger

Plate and frame heat exchangers facilitate heat transfer between two fluids using a series of stacked plates. Hot and cold fluids flow through alternating channels, separated by the plates, enabling efficient heat exchange.



## Product Overview

### High-Efficiency Thermal Management

The Plate and Frame Heat Exchanger is a high-performance solution designed for efficient thermal transfer between fluids in HVAC&R systems. Utilizing a stack of thin, corrugated plates, this design maximizes turbulence to achieve superior heat transfer coefficients within a compact footprint. Engineered for reliability and ease of maintenance, it provides a versatile solution for diverse industrial operating environments.

## Operating Parameters

|                   |                  |
|-------------------|------------------|
| Temperature Range | -49°C to 200°C   |
| Pressure Range    | Vacuum to 30 bar |

## Construction Materials

### Frame Construction

- Painted Carbon Steel
- Stainless Steel (pure)
- Stainless Steel (cladded)

|                  |  |
|------------------|--|
| Plate Materials  | AISI 304, AISI 316L, AISI 904L, SMO 254, Nickel Alloys, Pure Nickel, Ti, Ti-Pd Alloy |
| Gasket Materials | Nitrile Rubber, EPDM Rubber, Chloroprene Rubber, HNBR, NBR-HT, FPM/FKM, Butyle       |

## Compliance

### Certifications & Standards

ASME • PED • GOST • GB