



AN API HEAT TRANSFER COMPANY

Schmidt® Gasketed Plate Heat Exchangers for Power Generation.

Since 1879, our plate heat exchangers have been known for innovation, quality, and performance. Today, we have one of the widest selections of plate heat exchanger designs, sizes, and options available for the power industry. Each solution is tailored by one of our experienced engineers to meet your exact needs.

Performance notes.

- Unique corrugation pattern pressed on each plate produces the highest heat transfer coefficients, resulting in lower surface area and capital cost
- High induced turbulence creates a self-cleaning effect to minimize fouling
- All-bolted construction makes for easy maintenance
- Highest quality gaskets fit the plate grooves precisely for positive sealing and ease of maintenance
- Superior clip-on gasket design ensures proper fit during closing of the unit
- Double-sealing design prevents the possibility of mixing the two process fluids, and leak-detect feature ensures any leakage is into the atmosphere
- Readily expandable plate arrangement for greater capacities or new applications

Technical parameters.

Plates	Materials	304/304L SS, 316/316L SS, titanium, others available
	Thicknesses	0.4 mm to 1.15 mm
Gaskets		Nitrile, EPDM, others available
Attachment Methods		SIGMAFIX adhesive-free gasket or glued gasket
Frames		Painted carbon steel or stainless steel (solid and clad)
Connections		Studded with option for liner, flanges (ANSI, DIN), others available
Codes and Standards		ASME, PED, ABS, LRS, GL, BV, GOST



Applications.

- Central or auxiliary coolers
- Lube oil coolers

Operating conditions.

- Pressure: Vacuum to 400 psig (30 bar)
- Temperature: -40°F to 400°F (-29°C to 200°C)
- Capacities: In excess of 20,000 GPM (4,500 m³/h)
- Connections: Up to 20 in. (DN500)

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