

Plate Heat Exchanger

Efficiency Delivered
Reliability Guaranteed



Proudly from our team

For over 50 years, Precision has delivered world-class shell and tube heat exchangers and process equipment to critical industries. We're excited to introduce our Next-Generation Plate Heat Exchangers—engineered for high thermal efficiency, reliability, and long service life. Our commitment to engineering excellence ensures advanced design, strict quality standards, and tailored solutions that help you achieve:

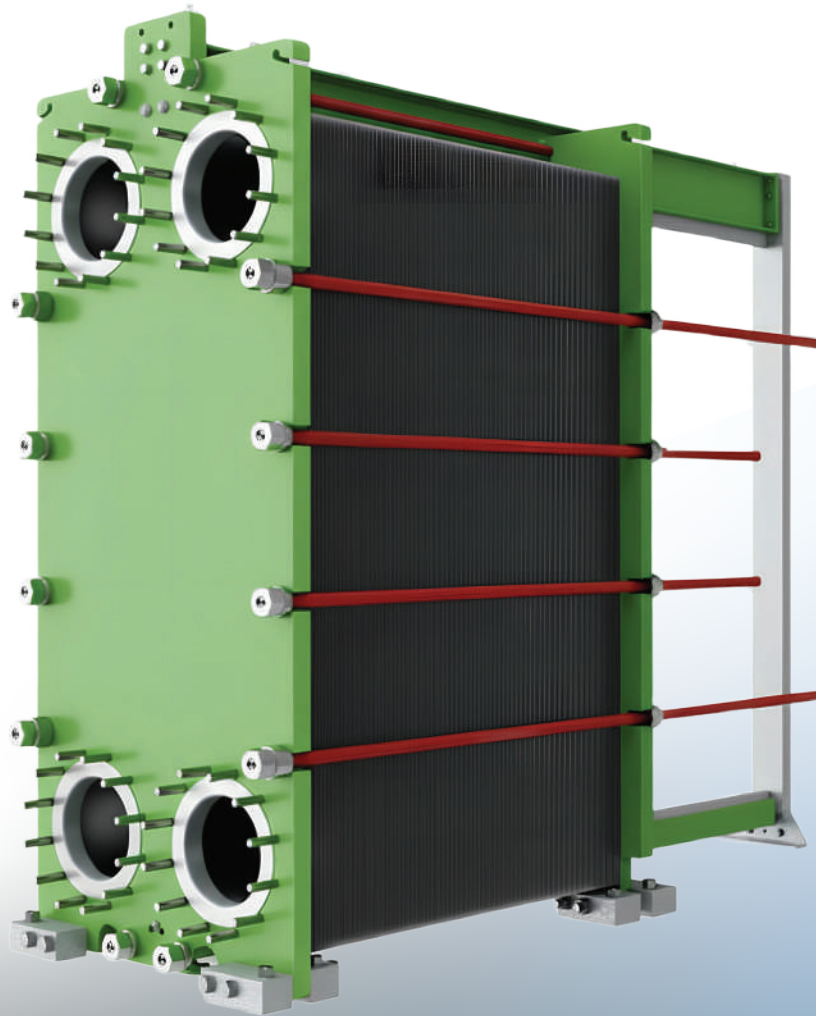
- Greater efficiency
- Reduced downtime
- Improved productivity

Thank you for choosing Precision Equipments as your trusted partner. We promise expert support, competitive pricing, and dependable performance at every stage.

Precision Equipments (Chennai) Pvt Ltd.

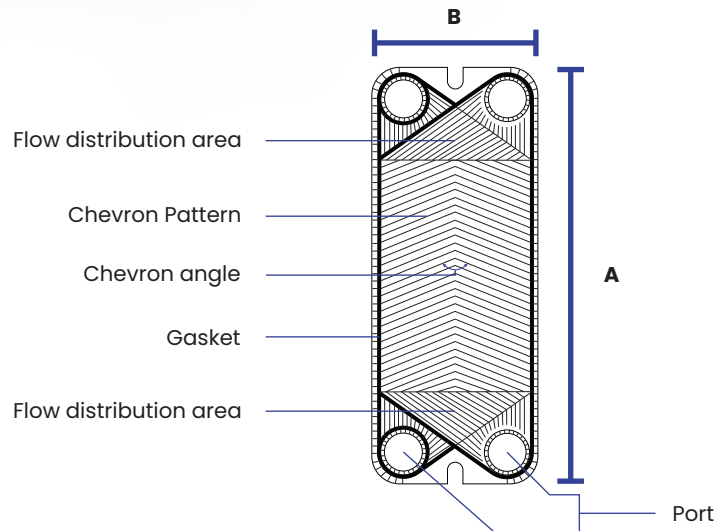


Plate Heat Exchanger



"Our plate heat exchangers are engineered for high thermal efficiency and reliable performance, using precision-designed plates to ensure maximum heat transfer in a compact footprint."

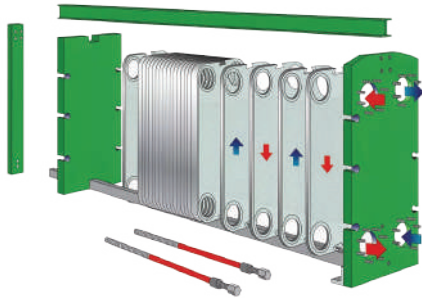
Technical Specification



PHE - Heat transfer Plate

Model	Port Diameter	Plate type	Plate Length, A	Plate Width, B
S-Series	(mm)		(mm)	(mm)
PG1S-30	30	Chevron	250	125
PG2S-30	30	Chevron	450	150
PG3S-30	30	Chevron	750	150
PG1S-65	65	Chevron	500	300
PG2S-65	65	Chevron	800	300
PG3S-65	65	Chevron	1100	300
PG1S-100	100	Chevron	870	400
PG2S-100	100	Chevron	870	400
PG1S-150	150	Chevron	1100	500
PG2S-150	150	Chevron	1100	500
PG1S-200	200	Chevron	1050	650
PG2S-200	200	Chevron	1050	650
PG3S-200	200	Chevron	1350	650
PG4S-200	200	Chevron	1750	650
PG1S-250	250	Chevron	1850	750
PG1S-300	300	Chevron	1450	870
PG2S-300	300	Chevron	1900	870
PG3S-300	300	Chevron	2500	870
PG4S-300	300	Chevron	3150	870

Exploded view of PHE



Technical Parameters

- Port sizes: 50 mm – 500 mm
- Plate Materials: SS 304, SS 316, SMO 254, Hastelloy C-276, Titanium Gr 1 / Gr II
- Gasket Materials: NBR, EPDM, Viton
- Maximum Operating Parameters: 180°C, 30 bar g

Precision PHE – Built for Industrial Excellence

Modern

Tailored for
today's industry

Efficient

Best-in-class
heat transfer

Reliable

Consistent uptime,
reduced fouling

Serviceable

Fast cleaning
and maintenance

Expandable

Add or remove
plates anytime

Application Engineered For Every Industry



Chemical Applications

- Reactor heating or cooling
- Solvent and process fluid recovery
- Waste heat utilization
- Heat exchange between corrosive fluids

Power and Energy Applications

- Turbine jacket and lube oil cooling
- Closed-loop cooling circuits
- Heat recovery systems
- Generator cooling applications



Oil & Gas Applications

- Amine heating and cooling
- Crude and fuel oil cooling
- Glycol regeneration systems
- Heat recovery



Refrigeration Applications

- Ammonia and Freon evaporators
- Glycol and brine chillers
- Condenser heat recovery
- Process cooling loops



Petrochemical Applications

- Product cooling and preheating
- Condensate cooling
- Heat recovery from process streams



HVAC and Data Center Applications

- Chilled water systems
- District cooling networks
- Cooling tower isolation
- Heat recovery units





Food & Beverages Applications

- Milk or beverage pasteurization
- Brewery and fermentation cooling
- CIP heating or cooling
- Sugar solution heating

Pharmaceutical Applications

- Purified and WFI water cooling or heating
- Fermentation temperature control
- HVAC chilled water circuits
- Reactant heat removal



After-Sales Support

Reliable technical assistance, prompt service response, and dependable spare availability to ensure uninterrupted operation.

MARKETING OFFICES

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