

Graphite Heat Exchangers

Outstanding Corrosion Resistance

API Heat Transfer, a leader in value and long-term reliability, offers customized graphite heat exchangers to meet your specific needs. Units are available in Block, Cubic and Shell-&-Tube configurations. With a wide range of graphite grades to select from, we cover practically every application that operates within a corrosive environment.

Our Graphite Products

- Block Heat Exchangers
- Shell-and-Tube
- Cubic
- Columns, Tanks, Internals

Our Unique Graphite Grades

- API KELITE – Standard Grain – Phenolic impregnated
- API KELITE+ – Fine Grain – Phenolic impregnated
- API FLON – Fine Grain PTFE impregnated
- API CARB – Standard Grain, Carbon impregnated
- API CARB+ – Fine Grain, Carbon impregnated
- API KELITE; API FLON and API CARB with Ultra Fine Grain
- TOYO TANSO Raw Graphite – high-density ~ 1.8g/cc and high thermal conductivity ~ 130 w/mK
- API Tube-I (with Phenolic); API Tube-R (with Phenolic); and SiC (Ceramic)

Design Features

Our unique equipment design is robust, reliable and offers protection against off-normal operating conditions.

- SHOCK PROTECT® against water / steam hammering
- STABLE LOAD® spring system against stress fatigue
- STRESS FREE® against piping stress



Reactor condenser for xylene/thionyl chloride, pharmaceutical

Our Main Applications Markets

- Chemical
- Agro chemical (pesticide, herbicide, fertilizer)
- Petro chemical (plastics)
- Steel industries (pickling and acid regeneration plant)
- Pharmaceutical

Services

- Start-up & operating assistance
- Dedicated maintenance during unit's lifetime
- Quick Support - Field service (with spare parts)
- Replacement, optimization and repair of your existing equipment (cubic, blocks, shell and tubes) without piping modification
- Expertise to remedy repetitive failures or lack of performance

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