

Shell & Tube Heat Exchanger

Product Technical Sourcing Proposal
Cooling & Heating Equipment



Real supplier reference image. Final brand, model and appearance depend on selected quotation.

RECOMMENDED SUPPLY CONFIGURATION

Select the minimum practical configuration for Shell & Tube Heat Exchanger only after confirming the actual duty, capacity, inputs, output quality, utilities, site conditions and acceptance test.

Product Overview, Applications & Primary Use

Shell-and-tube exchanger with removable bundle, anti-vibration baffles and complete hydrostatic testing.

Technical sourcing approach

- Confirm the real operating duty and site conditions before comparing models.
- Compare supplier quotations against one common technical specification.
- Require a factory test, drawings, manuals and a critical-spares list.
- Plan freight, inspection, installation interfaces and after-sales support before purchase.

Applications and primary use

- Specific industrial purpose: Shell-and-tube exchanger with removable bundle, anti-vibration baffles and complete hydrostatic testing.
- New installation sized to confirmed demand rather than maximum catalogue capacity.
- Replacement or expansion after checking physical, utility and control compatibility.
- Economical Afghan implementation using local installation and fabrication where safe.



Product-Specific Technical Specification

Selection parameter	Required function / value	Buyer or site input
Thermal capacity	Meet the calculated heating or cooling load	Provide load calculation or process duty
Inlet/outlet conditions	Achieve required temperatures and flow	State design temperatures
Ambient condition	Maintain capacity in the actual climate	State summer/winter design values
Refrigerant or fuel	Use an available, serviceable energy source	State permitted type
Electrical supply	Match voltage, frequency and available load	Provide site data
Heat exchanger	Compatible materials and pressure rating	State medium and water quality
Controls	Essential staging, alarms and protection	List remote-control needs
Installation	Provide piping, ventilation and service clearance	Provide layout

Buyer checklist and quotation requirements

- Describe the exact process, material and intended operating duty.
- State required capacity, operating hours and acceptable output quality.
- Provide product samples, drawings or technical data where applicable.
- Confirm voltage, frequency and all available utilities.
- Provide factory layout, access and environmental conditions.
- Separate equipment, tooling, freight, installation and optional items.
- Require drawings, running test, acceptance criteria and critical spares before shipment.

Final technical parameters, included accessories and acceptance criteria must be confirmed in the supplier quotation, test report and purchase contract. Do not purchase from photographs alone.

Indicative Product Pricing & Supply Guide

PRODUCT QUOTATION BASIS

Final pricing for Shell & Tube Heat Exchanger follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

Supply component	Indicative planning range	Quotation basis
Main equipment	US\$3k-30k	Minimum configuration for confirmed duty
Essential tooling and accessories	US\$1k-8k	Only launch requirements
Freight and clearance	US\$2k-10k	Shipment based on complete scope
Installation, testing and spares	US\$1k-6k	Local execution where practical
Low-entry project total	US\$7k-54k	Final price follows confirmed specification

Technical sourcing and delivery process

Phase 1	Define requirement and request comparable quotations - 1 to 2 weeks
Phase 2	Technical clarification, negotiation and inspection plan - 1 to 3 weeks
Phase 3	Manufacture or refurbishment - typically 3 to 10 weeks
Phase 4	Shipping and customs clearance - typically 3 to 7 weeks
Phase 5	Local installation, training and trial operation - 1 to 3 weeks

These are non-binding planning ranges. Final product price and delivered cost depend on the confirmed specification, accessories, inspection, freight, customs, exchange rate and destination.

Sanaatchi Support & Contact

- Supplier search using one confirmed product specification
- Side-by-side technical and commercial quotation comparison
- Factory test, documentation and pre-shipment inspection coordination
- Lowest-cost practical logistics planning from China to Afghanistan
- Installation-interface, spare-parts and after-sales coordination

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Supplier image references

- Supplier image reference: <https://image.made-in-china.com/2f0j00ZAyiEzothPYk/Wholesale-Industrial-Heat-Exchanger-Aluminum-U-Tube-Heat-Exchange-r-Shell-and-Tube-Marine-Heat-Exchanger-Titanium-Spiral-Tube-Heat-Exchanger.jpg>

- Supplier image reference:
<https://image.made-in-china.com/2f0j00uRJCMhYGHmpg/High-Quality-Industrial-Shell-and-Tube-Heat-Exchanger-for-Customization.jpg>