



UNIINOX

Heat Exchangers, Condensers & Evaporators

Drawing-based manufacturing for OEM and engineered applications

CONDENSERS | AIR COOLERS | EVAPORATORS | FINNED-TUBE ASSEMBLIES

DRAWING-BASED SELECTION | PROJECT-SPECIFIC MATERIALS AND PERFORMANCE

PRODUCT CATALOG 2026

From Drawing to Batch Delivery

A practical route from approved geometry to protected shipment.



01 Duty & Interface Review

Confirm medium, temperatures, pressure, airflow, capacity, envelope and connection orientation.

02 Core & Circuit Production

Prepare fins, tubes, circuits, headers and frames to the approved project drawing.

03 Inspection & Packing

Complete agreed checks, protect finished units and prepare shipment records.

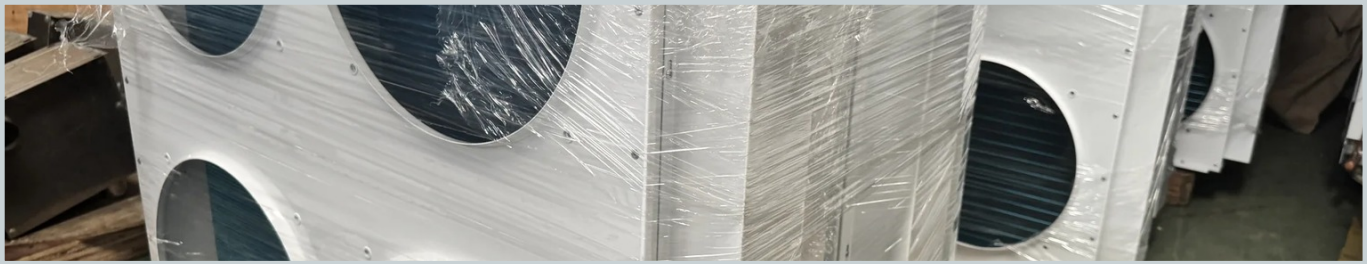
CATALOG PURPOSE

For equipment manufacturers, engineering procurement and custom-manufacturing enquiries. Final performance and delivery requirements follow the mutually approved drawing and order.

Product Families & Matched Structures

Each image group is matched to its product family; final dimensions and performance are drawing- and duty-controlled.

Product family	Typical forms and use
Condensers	Air-cooled or equipment-integrated heat rejection units
Heat exchangers & economizers	Enclosed units, duct connections and exposed finned cores
Stainless steel heat exchangers	Stainless frames, tube-fin combinations and multi-row construction
Air coolers	Air-side finned cores and enclosed modules
Evaporators	Multi-row fins, copper return bends and refrigeration circuits
Custom finned-tube assemblies	Single panels, multiple sections, deep rows and stacked assemblies
Material combinations	Copper, carbon steel, 304, 316 or 316L with project-selected fins and frames
Confirmation basis	Drawing, operating conditions, quantity, inspection and packing requirements



Condenser & Air Cooler Core Manufacturing

Large-format finned cores prepared for heat rejection and air-side duty.



APPLICATION AND CONFIRMATION BASIS

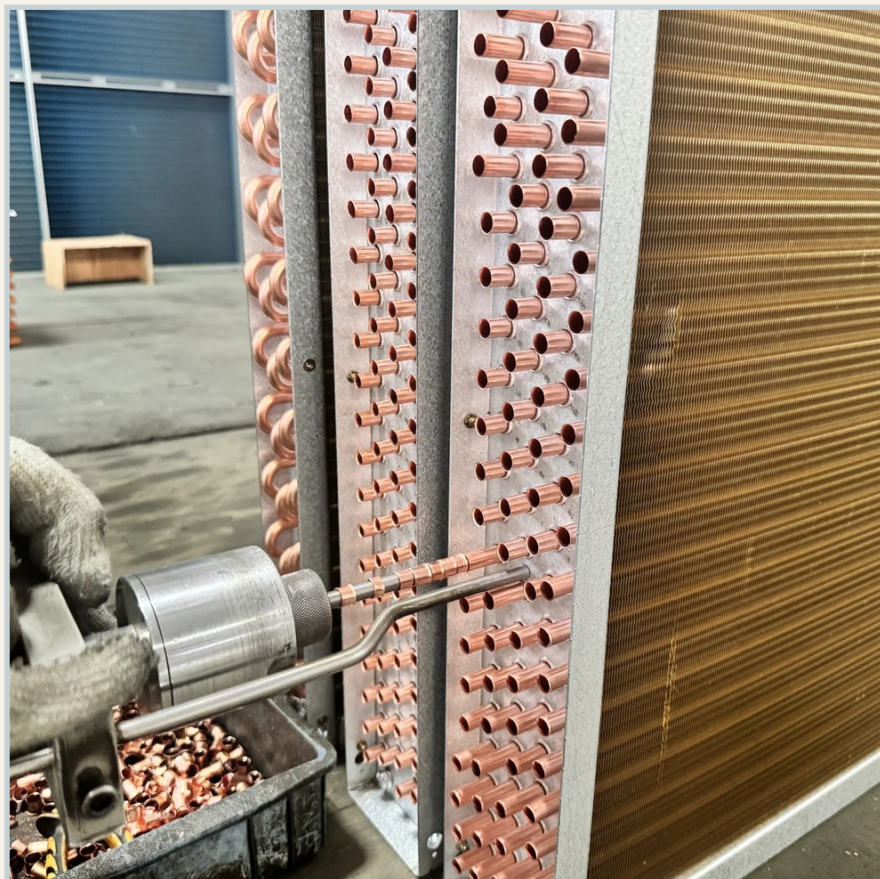
Core geometry, tube rows, fin pitch, circuiting, frame and connection arrangement are established from the required condenser or air-cooler duty. The finished design is released only after drawing and operating-condition review.

RFQ INPUTS

Heat rejection duty / refrigerant or medium / airflow / temperatures / pressure / envelope / connections

Copper Tubes, Fins & Return Bends

Controlled tube insertion and circuit completion for repeatable core construction.



APPLICATION AND CONFIRMATION BASIS

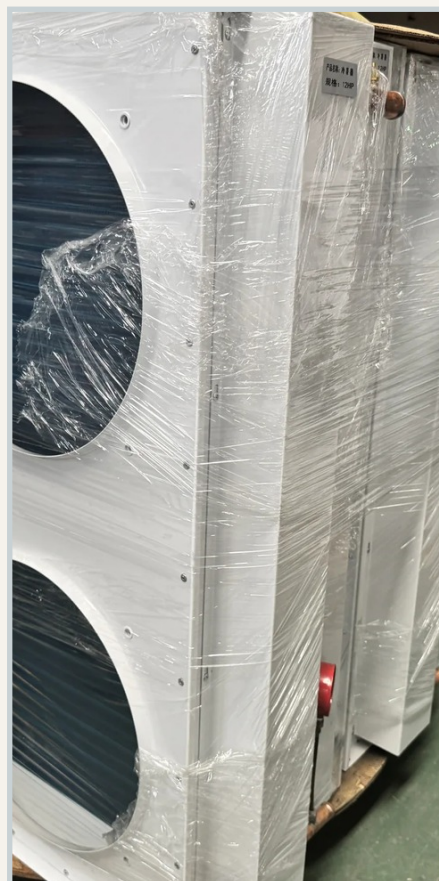
Fin packs, straight tubes, return bends and tube-end preparation are coordinated around the approved circuit. Material combinations and assembly details depend on medium compatibility, pressure and heat-transfer duty.

RFQ INPUTS

Tube material / fin material / tube rows / fin pitch / circuit layout / test requirement / quantity

Headers & Finished Heat Exchanger Units

Header fabrication, framed assembly and protected shipment preparation.



APPLICATION AND CONFIRMATION BASIS

Branch spacing, header volume, connections, frames and service access are matched to the equipment interface. Finished units can be supplied as open cores or enclosed modules according to the released drawing.

RFQ INPUTS

Medium / flow rate / header arrangement / connection standard / frame / service clearance / packing

Heat Exchangers & Economizers

Compact integration configured around operating duty and installation space.



APPLICATION AND CONFIRMATION BASIS

The supplied images show enclosed heat exchangers, duct-interface units and exposed finned cores. Selection requires medium, temperature, pressure, airflow, installation envelope and connection orientation. Internal circuits and connection count follow the drawing.

RFQ INPUTS

Medium / temperature / pressure / airflow / interface orientation / dimensions / materials

Stainless Steel Heat Exchangers

Material compatibility, serviceability and structural support considered together.



APPLICATION AND CONFIRMATION BASIS

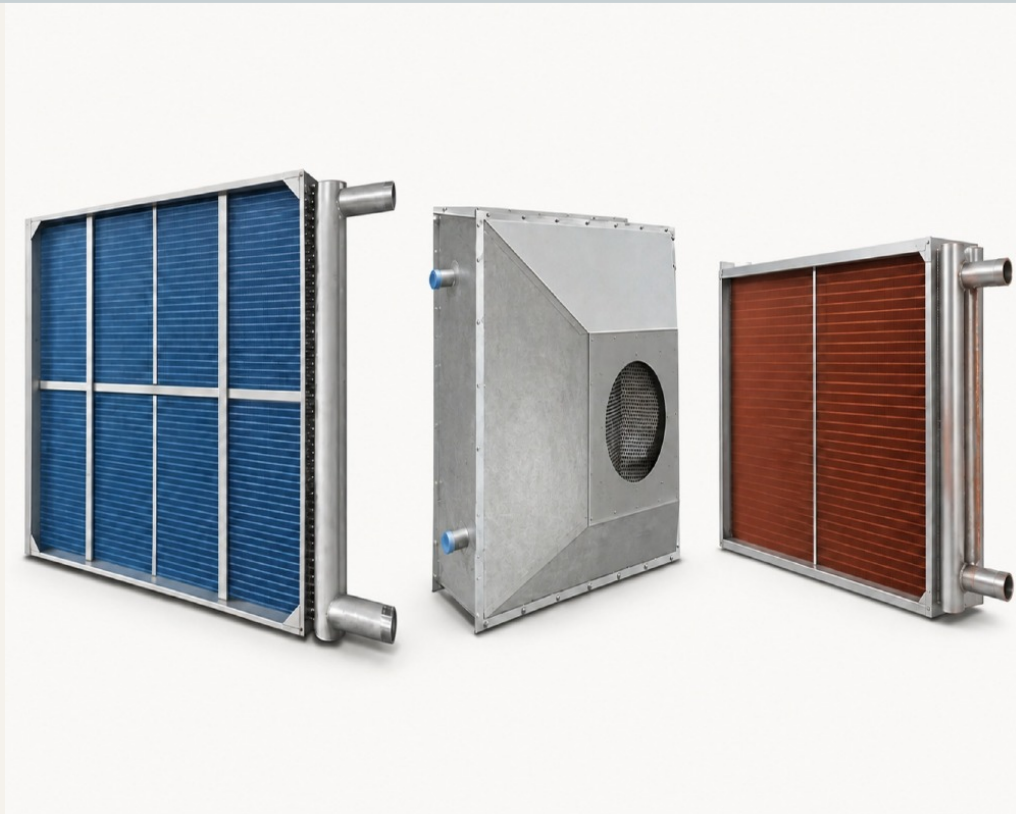
The supplied images show stainless frames, multi-row tube-fin cores and wedge modules. Stainless tubing can be combined with stainless or aluminum fins. Confirm tube rows, fins, frame, connections and applicable test pressure for each model.

RFQ INPUTS

304 / 316 / 316L as ordered / fins / frame / connections / test requirements

Air Cooler Heat Exchangers

Air-side heat-transfer structures designed for equipment integration.



APPLICATION AND CONFIRMATION BASIS

The supplied images show blue and copper finned cores plus enclosed air-cooler modules. Selection requires airflow, face dimensions, entering and leaving air conditions, medium, fluid temperatures, working pressure and allowable pressure drop.

RFQ INPUTS

Airflow / face dimensions / rows / fin pitch / medium / temperatures / pressure / connections

Evaporator Heat Exchangers

Multi-row coils matched to the actual refrigeration duty.



APPLICATION AND CONFIRMATION BASIS

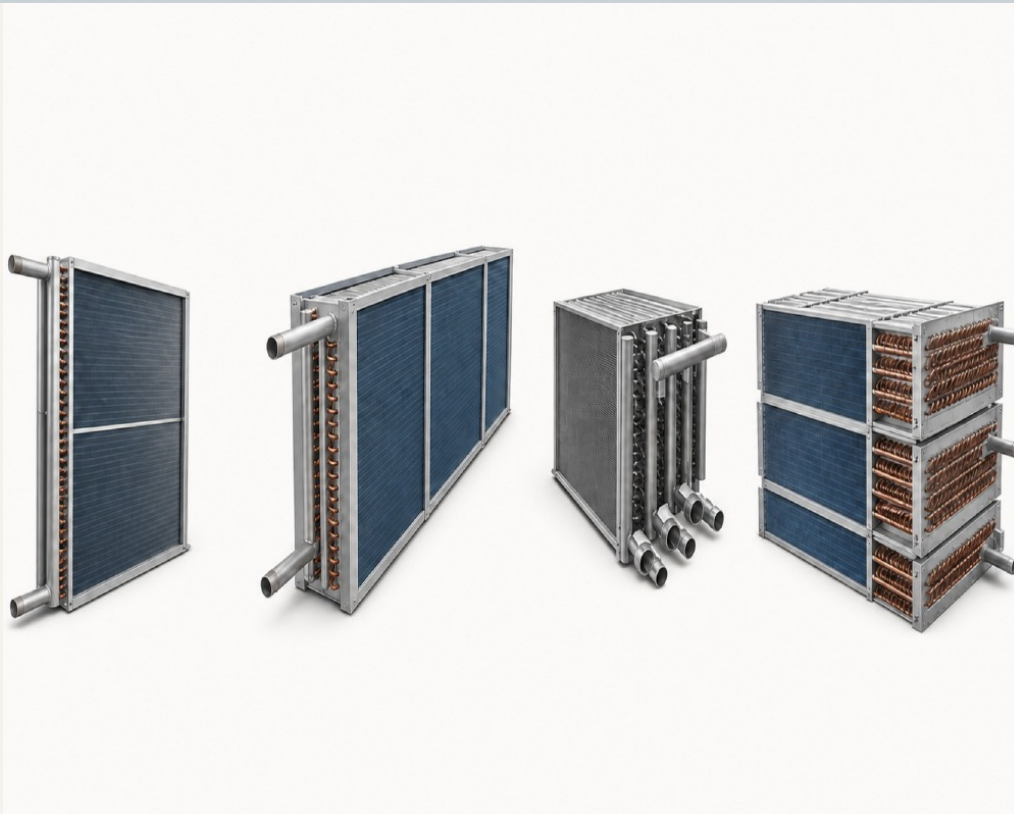
The supplied images show multi-row fins, copper return bends and combined-frame evaporator assemblies. Provide refrigerant, evaporating temperature, superheat, airflow, entering-air condition, refrigeration capacity and allowable pressure drop.

RFQ INPUTS

Refrigerant / evaporating temperature / superheat / airflow / capacity / rows / fin pitch

Custom Finned-Tube Assemblies

Configurable structure, materials and connection arrangement.



APPLICATION AND CONFIRMATION BASIS

The supplied images show single panels, multiple sections, deep rows and stacked assemblies. Tube options include copper or stainless steel. Fin options include aluminum, hydrophilic aluminum, copper and stainless. Final envelope and connections follow the drawing.

RFQ INPUTS

Envelope / rows / fin pitch / materials / connections / service clearance / testing

Finned-Tube Range A

Only clearly legible values from the supplied source reference are included; ambiguous fields are excluded.

Tube OD	Tube material	Tube pitch	Fin pitch
16 mm	Carbon steel / copper / 304 / 316L	38 mm	3.0-5.0 mm
18 mm	Carbon steel / copper / 304 / 316L	42 mm	3.0-5.0 mm
22 mm	Carbon steel / copper / 304 / 316L	52-75 mm	3.0-5.0 mm
25 mm	Carbon steel / copper / 304 / 316L	65-85 mm	3.0-5.0 mm
32 mm	Carbon steel / copper / 304 / 316L	95 mm	3.0-5.0 mm
42 mm	Carbon steel / copper / 304 / 316L	98 mm	3.0-5.0 mm

FIN FORMS

Rolled aluminum fins, wound stainless steel fins and wound copper fins.

CONFIRM Combined dimensions, tube rows, frame, connections and test requirements against the drawing and order.



Air Cooler & Evaporator Range B

Capacity and pressure drop must be calculated for the actual operating duty.

Tube OD	Tube pitch	Row pitch	Fin pitch
9.52 mm	25-25.4 mm	21.65 mm	1.5-12 mm
12.7 mm	31.75 mm	27.5 mm	2.0-8.0 mm
15.88 / 16 mm	38.1 mm	33 mm	2.0-14 mm
22 mm	60 mm	50 mm	4-7 mm
25 mm	60 mm	59.5 mm	2.0-8.0 mm

TUBE OPTIONS

Copper, carbon steel, stainless steel 304 or 316L, by model

FIN OPTIONS

Aluminum, hydrophilic aluminum, copper or stainless, by model

CONFIRM

Duty, tube rows, circuits, connections, frame and testing against the drawing and order



Customization Matrix

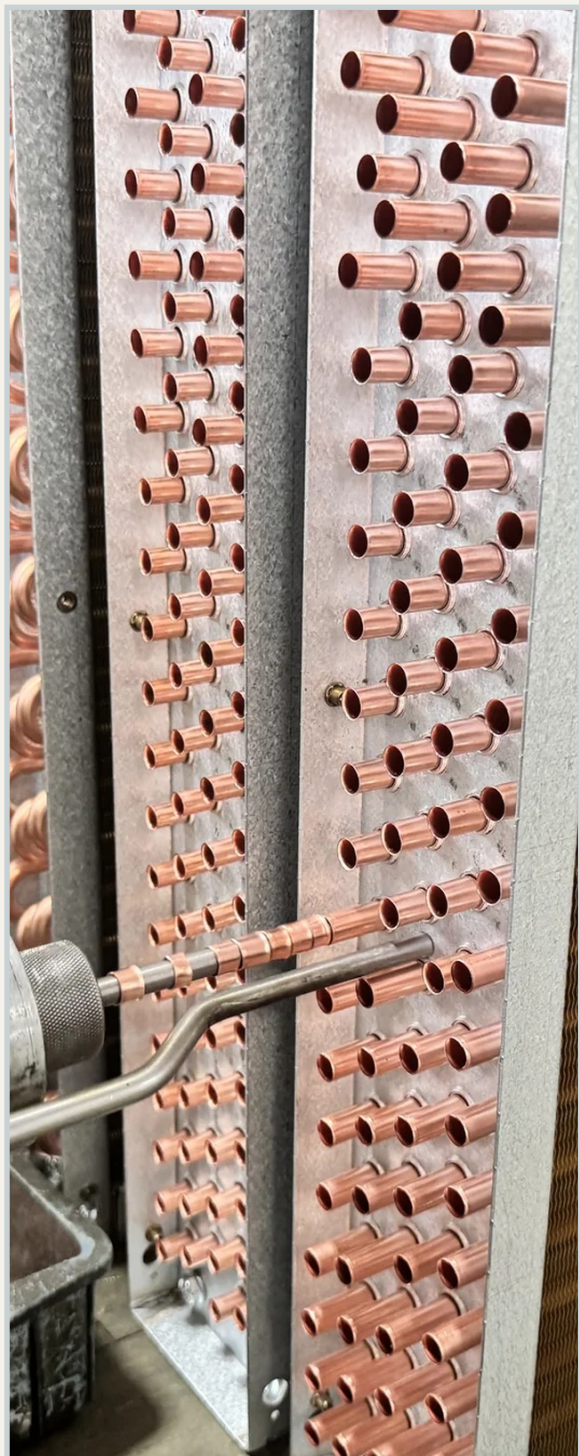
The following choices are confirmed for each drawing and purchase order.

Item	Available options
Product family	Condensers; heat exchangers / economizers; stainless heat exchangers; air coolers; evaporators; finned-tube assemblies
Tube material	Copper; carbon steel; 304; 316; 316L, according to product family and order
Tube OD & wall	Selected by product family, working medium, pressure and approved drawing
Core & envelope	Face size, tube rows, circuit arrangement and installation envelope follow the drawing
Fins & frame	Aluminum; hydrophilic aluminum; copper; stainless fins; multiple frame options
Connections	Straight; bent; threaded; flanged; headers; duct interfaces
Tests	Dimensions; pressure; leak; cleanliness; records, as agreed in the order
Packing	Wrapping; pallets; wooden cases; strapping; shipping marks; packing list



Recommended Quality Control Flow

A suggested project flow - not a claim that every item is evidenced by the source photographs.



01

Drawing review

02

Material verification

03

Forming & bending

04

Key-dimension check

05

Testing as agreed

06

Cleaning & packing

RECOMMENDED RECORDS

Material certificates, first-piece dimensions, in-process inspection, test reports and packing records.

Packing and Container Loading

Protect finished assemblies and confirm shipment data before release.



Wooden cases | Strapping | Container loading

CONFIRM BEFORE SHIPMENT

- Quantity per case
- Net and gross weight
- Case dimensions
- Moisture protection
- Shipping marks
- Packing list

Send a Complete RFQ

Provide the following information for selection and quotation.

PLEASE SEND

01 Product family, drawing and installation envelope

02 Tube, fin and frame materials

03 Tube OD, wall thickness and order length

04 Medium, temperature, pressure and corrosivity

05 Duty / capacity, airflow and allowable pressure drop

06 Connections, tube rows, fin pitch and surface requirements

07 Quantity, delivery requirement and inspection scope

08 Packing, shipping marks and destination port

UNIINOX

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for drawing-based OEM assemblies.

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SEND FAMILY, DRAWING, DUTY CONDITIONS AND QUANTITY FOR A TECHNICAL QUOTATION