

Coils

Coils

6

14

AHRI 410 · ASME B31.5 · EN 327 · PED 2014/68/EU

Copper tube · Aluminium fin · Stainless steel ·
Cupronickel · Galvanised casing

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COILS BROCHURE

FAMILY
Coils

Condenser, cooling, evaporator, heating and replacement coils for HVAC, refrigeration and process air systems.



FINNED TUBE HEAT EXCHANGER BUNDLE

Custom finned-tube coils for heating, cooling, condensing, evaporating and air-handling applications. Coils are selected around airflow, face velocity, pressure drop, fin spacing, tube material, casing and cleaning access.

Product lines
6

Design standards
AHRI 410 · ASME B31.5 · EN 327 · PED 2014/68/EU

Material scope
Copper tube · Aluminium fin · Stainless steel · Cupronickel
· Galvanised casing

Application scope
HVAC · Refrigeration · Food processing · Data centres ·
District energy · Industrial air

Selection route

Start with the duty point, then confirm the family, line, series and equipment envelope. The project datasheet replaces the representative planning values.

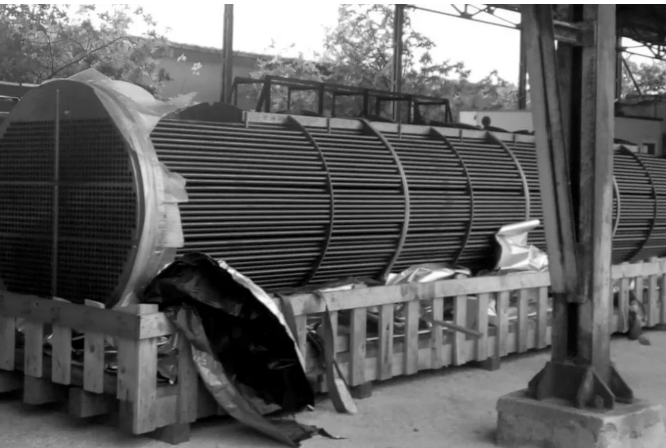
COILS BROCHURE

RANGE

6 product lines.

Each line carries its own duty envelope and series depth. The line pages hold the detailed selection data.

PRODUCT LINE	FOCUS	KICKER	SERIES
Condenser Coils	Condenser coils for refrigeration, heat pump, and outdoor air-cooled equipment with refrigerant circuiting matched to capacity and pressure class.	Refrigerant condensing / outdoor units	2
Cooling Coils	Cooling coils for chilled-water, glycol, and process-air duties where controlled leaving-air conditions and condensate management matter.	Chilled water and glycol air cooling	2
Evaporator Coils	Evaporator coils for direct-expansion cooling units, cold rooms, process air coolers, and refrigeration equipment.	Direct expansion / room and process cooling	2
Heating Coils	Finned-tube heating coils for air handlers, process make-up air, drying systems, and industrial ventilation units.	Hot water, steam, and thermal oil air heating	2
Industrial Coils	Copper, stainless, aluminum, and custom-material coil blocks for heating, cooling, condensing, and evaporator equipment.	Custom coil blocks / HVAC and process air	4
Replacement Coil Blocks	Replacement coil blocks for refurbishing air handlers, condensers, drycoolers, evaporators, and process air equipment without replacing the full unit.	Retrofit coils / measured-to-fit replacement	2



COILS



REPRESENTATIVE EQUIPMENT

Range note

Series and variant values are representative planning data. Certified performance and dimensions are issued against the project duty point.

COILS BROCHURE

SERIES

Family series ledger

Configuration routes inside this line. Series codes are Novaryn references; project-specific model codes are confirmed on the order.

CODE	SERIES	RANGE / APPLICATION	CONFIGURATION
NX-CL-095	Standard	Commercial condenser coils	Refrigeration and heat pumps · OEM or replacement route
NX-CL-096	Coated	Corrosion-protected coils	Coastal and industrial air · Outdoor service life
NX-CL-097	Chilled	Chilled-water cooling	Comfort and process air · Low pressure drop route
NX-CL-098	Glycol	Low-temperature glycol coils	Freeze-aware service · Industrial process rooms
NX-CL-099	MT	Medium-temperature evaporator coil	Retail and cold-room duty · Balanced fin spacing
NX-CL-100	LT	Low-temperature evaporator coil	Freezing applications · Defrost-ready layout
NX-CL-101	Water	Hot water and glycol coils	Air handling units · District energy tie-ins
NX-CL-102	Steam	Steam heating coils	Process make-up air · Condensate-aware circuiting
NX-CL-103	HVAC	Air handling coils	Heating and cooling · Low pressure drop
NX-CL-104	Refrigeration	Condensing and evaporating coils	Refrigerant circuiting · Charge reduction route
NX-CL-105	Industrial	Process air coils	Custom materials · Heavy-duty frames
NX-CL-106	OEM	Series equipment coils	Repeatable production · Project-specific headers
NX-CL-107	LikeForLike	Direct replacement coil	Measured-to-fit · Fast retrofit path
NX-CL-108	Upgrade	Material or performance upgrade	Corrosion and capacity improvements · Life-extension projects

Representative planning data. Certified ratings, dimensions, connection details and material schedules are issued against the project duty point.

COILS BROCHURE

APPLICATION

Where the family belongs.

Typical sectors and equipment routes. Project suitability is confirmed against the site conditions and specification.

Applications

- HVAC
- Refrigeration
- Food processing
- Data centres
- District energy
- Industrial air

STANDARDS & MATERIALS

The engineering framework.

Design standards

AHRI 410 · ASME B31.5 · EN 327 · PED 2014/68/EU

Material scope

Copper tube · Aluminium fin · Stainless steel · Cupronickel
· Galvanised casing

Industry routes

Data Centre · HVAC-R · Food & Beverage · Heavy & Light
Industry · Transportation

Documentation

Brochure · datasheets · drawings · manual

DOCUMENTATION

Family documents

Public documents are downloadable from the product library. Certificates and material reports are issued against the order.

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Coils Brochure	Family brochure	Rev. 04	6	Download
Coils — Installation and Maintenance	Installation manual	Rev. 02	8	Download
Coils — Certificate of Conformity	Certificate	Issued per order	1	On request
Coils — Material Test Report	Material test report	Issued per order	1	On request

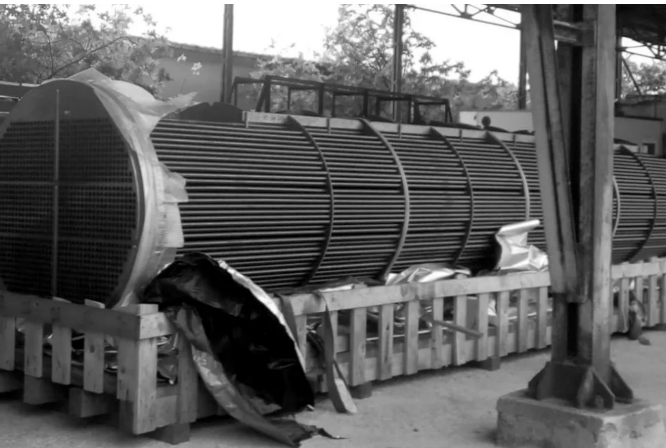
COILS BROCHURE

LIFECYCLE

The family does not end at dispatch.

Spares, inspection, cleaning and retrofit use the same serial record as the original selection.

- Serial-matched spare parts and consumables
- Inspection, cleaning and performance review
- Retrofit, capacity uplift and refrigerant transition
- Commissioning and field service through the partner network
- Installation and maintenance manuals from the product library



COILS



REPRESENTATIVE EQUIPMENT

SERVICE ROUTE	TYPICAL SCOPE	ENTRY POINT
Spares	Gaskets, plates, coils, fans, motors	Serial number
Inspection	Leaks, fouling, performance, condition	Operating data
Retrofit	Capacity, media, refrigerant, envelope	Duty review
Field service	Commissioning, repair, replacement	Partner / Houston

COILS ENGINEERING

Send the duty point.

Media, flow, temperatures, pressure, ambient conditions, plot and access constraints, and the document requirement. If the duty is still forming, send what you have and we will frame the questions.

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