

INDUSTRIAL COILS — PRODUCT OVERVIEW

PRODUCT OVERVIEW

Industrial Coils — Product Overview

Coils · Industrial Coils

Novaryn coils are configured through tube diameter, tube pattern, fin profile, materials, fin spacing, headers, circuiting, and leak-test requirements. The page frames coils as a technical component library for OEM and project work.

Tube options

Copper, stainless, and specialist materials

Fin options

Aluminum, copper, and tailored profiles

Design input

Airflow, fluids, pressure drop, and footprint

STANDARDS & MATERIALS

The framework behind the line.

Design standards

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

Material scope

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

Applications

Heat pumps · District energy · Air cooled solutions · Heat rejection · Waste-to-energy · Pulp and paper

Series depth

4 series · three planning sizes each

At a glance

- Custom tube and fin geometry
- Optimized air pressure drop
- Reduced refrigerant charge route
- Leak-tested construction

Typical applications

- Heat pumps
- District energy
- Air cooled solutions
- Heat rejection
- Waste-to-energy

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SERIES

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-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

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

How to read the series

The series entry defines the configuration route. The line datasheet carries the planning tables. The project datasheet replaces both with certified ratings, dimensions, connections and material schedules.



INDUSTRIAL COILS – REPRESENTATIVE NOVARYN EQUIPMENT

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VARIANTS

Planning variants

Representative planning grid with three nominal sizes per series. Not for construction or procurement.

SERIES	MODEL	ROWS	FACE AREA	FIN SPACING	PART NUMBER
HVAC	NX-CL-103-S	3	0.8 m²	2.5 mm	NX-CL-103-S
HVAC	NX-CL-103-M	4	1.6 m²	3.2 mm	NX-CL-103-M
HVAC	NX-CL-103-L	5	2.4 m²	2.1 mm	NX-CL-103-L
Refrigeration	NX-CL-104-S	4	1.6 m²	3.2 mm	NX-CL-104-S
Refrigeration	NX-CL-104-M	5	2.4 m²	2.1 mm	NX-CL-104-M
Refrigeration	NX-CL-104-L	6	3.2 m²	2.5 mm	NX-CL-104-L
Industrial	NX-CL-105-S	5	2.4 m²	2.1 mm	NX-CL-105-S
Industrial	NX-CL-105-M	6	3.2 m²	2.5 mm	NX-CL-105-M
Industrial	NX-CL-105-L	7	4.0 m²	3.2 mm	NX-CL-105-L
OEM	NX-CL-106-S	6	3.2 m²	2.5 mm	NX-CL-106-S
OEM	NX-CL-106-M	7	4.0 m²	3.2 mm	NX-CL-106-M
OEM	NX-CL-106-L	2	4.8 m²	2.1 mm	NX-CL-106-L

Part numbers shown are catalogue planning references. Ordering codes incorporate the project revision, connection schedule and material options.

Selection inputs

Bring the media, flow, temperatures, design pressure, ambient conditions and allowable pressure drop. Those five inputs frame the thermal and mechanical envelope.



INDUSTRIAL COILS – REPRESENTATIVE NOVARYN EQUIPMENT

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APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- Custom tube and fin geometry
- Optimized air pressure drop
- Reduced refrigerant charge route
- Leak-tested construction

Application scope

- Heat pumps
- District energy
- Air cooled solutions
- Heat rejection
- Waste-to-energy
- Pulp and paper

DOCUMENTATION

Documents

Download the datasheet, GA drawing and this overview from the product library.

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Industrial Coils Datasheet	Datasheet	Rev. 04	2	Download
Industrial Coils — Product Overview	Product overview	Rev. 04	4	Download
Industrial Coils — General Arrangement	Drawing	Rev. 03	1	Download

Record set

The public library carries the selection record. Certificates, material reports and approved drawings are issued against the order and travel with the serial number.

LINE 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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