

FAMILY BROCHURE / 06 LINES / 19 SERIES

Air coolers and evaporators for commercial refrigeration, blast freezing, cold rooms, preparation spaces and food processing.

EQUIPMENT FAMILY

## Evaporators

## PRODUCT LINES

6

## SERIES ENTRIES

19

## CORE STANDARDS

ASME B31.5 · EN 378 · CE / PED · AHRI 420

## MATERIAL SCOPE

Copper tube · Aluminium fin · Stainless steel ·  
Galvanised casing · Epoxy-coated coil

## REVISION

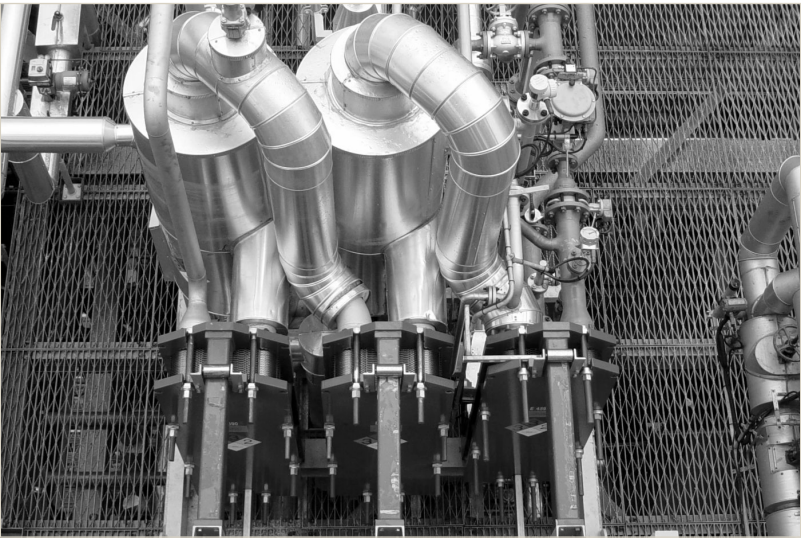
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EVAPORATORS BROCHURE

FAMILY

# Evaporators

Air coolers and evaporators for commercial refrigeration, blast freezing, cold rooms, preparation spaces and food processing.



INDUSTRIAL EVAPORATION AND REFRIGERATION EQUIPMENT

Evaporator selection is organised around air pattern, room type and defrost strategy. The range covers ceiling-mounted, dual-discharge, cubic, counter and draft-free units, with refrigerant options for HFC, HFO, CO<sub>2</sub>, propane and ammonia systems.

Product lines  
**6**

Design standards  
ASME B31.5 · EN 378 · CE / PED · AHRI 420

Material scope  
Copper tube · Aluminium fin · Stainless steel · Galvanised casing · Epoxy-coated coil

Application scope  
Supermarkets · Food processing · Cold storage · Dairy · Beverages · Distribution centres

## Selection route

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

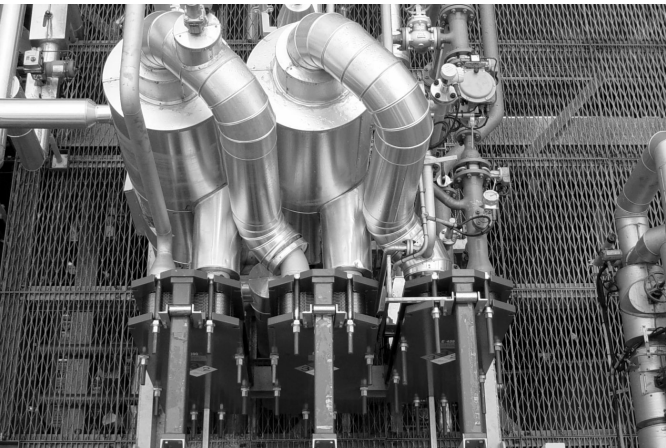
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RANGE

# 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 |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------|
| Blast Freezer              | Industrial air coolers for quick chilling and freezing where product quality, dehydration control, and process reliability matter.                     | High air speed / rapid pull-down | 1      |
| Ceiling Mounted Air Cooler | Ceiling-mounted evaporators for low spaces, small cold rooms, and commercial refrigeration areas needing clean access and precise temperature holding. | Small rooms / low-height spaces  | 3      |
| Counter Air Cooler         | Compact counter coolers for refrigerated cabinets, display cases, food storage units, and high-access retail fixtures.                                 | Display cases / retail counters  | 1      |
| Cubic Air Coolers          | Cubic evaporators for warehouses, supermarkets, cold stores, halls, and process rooms with broad airflow and capacity coverage.                        | General cold-room workhorse      | 7      |
| Draft Free Air Cooler      | Low-air-velocity room coolers for produce, cheese, meat, flowers, and sensitive spaces where drafts and noise must stay low.                           | Gentle cooling / ripening rooms  | 1      |
| Dual Discharge Air Cooler  | Flat ceiling coolers with two-sided air discharge for food production, preparation rooms, and occupied chilled environments.                           | Two-sided air throw / work rooms | 6      |



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REPRESENTATIVE EQUIPMENT

### Range note

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

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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-EV-019 | CMX           | 13-126 kW class     | Quick chilling and freezing · Adjustable floor mounting option |
| NX-EV-020 | MCK           | 1.5-11 kW class     | Small and low spaces · Frequent access rooms                   |
| NX-EV-021 | KCC           | 0.5-2 kW class      | Stock-friendly format · EC fan technology                      |
| NX-EV-022 | MCC           | 1.5-10 kW class     | Baffle-guided airflow · Simple cleaning                        |
| NX-EV-023 | Gastro        | 0.1-0.35 kW class   | Small counters · Powder-coated coil and casing                 |
| NX-EV-024 | FLF/FLH       | 10-240 kW class     | Outdoor or heavy-duty format · Weather-protected air guidance  |
| NX-EV-025 | SG Commercial | 0.4-65 kW class     | Integrated fan system · Smooth casing edges                    |
| NX-EV-026 | VRS           | 5-55 kW class       | Variable air direction · Accessory-rich platform               |
| NX-EV-027 | VNS           | 9-66 kW class       | High performance room cooling · Low-height fit                 |
| NX-EV-028 | CS/CB         | 7.4-175 kW class    | Natural refrigerants · CO2 pressure options                    |
| NX-EV-029 | KSC/MSC       | 0.8-50 kW class     | Basic cold-room duties · EC technology                         |
| NX-EV-030 | SG Classic    | 0.9-23 kW class     | Medium temperature cooling · CO2 direct expansion option       |
| NX-EV-031 | KVB           | 0.6-4.4 kW class    | Maturation rooms · Moist and even cooling                      |
| NX-EV-032 | CDK/CDL       | 7-130 kW class      | Production rooms · Optimized refrigerant distribution          |
| NX-EV-033 | CDF/CDH       | 6.1-154 kW class    | CO2, propane, or ammonia variants · Low refrigerant charge     |
| NX-EV-034 | KDC           | 2-23 kW class       | Commercial refrigeration · Optional high-pressure CO2 version  |
| NX-EV-035 | DRR           | 7-70 kW class       | Compact room utilization · Enhanced copper tubes               |
| NX-EV-036 | DVR           | 7-70 kW class       | Low noise · Easy interior access                               |
| NX-EV-037 | DZS           | 3-139 kW class      | Low height · Many accessory options                            |

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

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APPLICATION

# Where the family belongs.

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

## Applications

- Supermarkets
- Food processing
- Cold storage
- Dairy
- Beverages
- Distribution centres

STANDARDS & MATERIALS

## The engineering framework.

Design standards

ASME B31.5 · EN 378 · CE / PED · AHRI 420

Material scope

Copper tube · Aluminium fin · Stainless steel · Galvanised casing · Epoxy-coated coil

Industry routes

HVAC-R · Food & Beverage

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     |
|--------------------------------------------|----------------------|------------------|-------|------------|
| Evaporators Brochure                       | Family brochure      | Rev. 04          | 6     | Download   |
| Evaporators — Installation and Maintenance | Installation manual  | Rev. 02          | 8     | Download   |
| Evaporators — Certificate of Conformity    | Certificate          | Issued per order | 1     | On request |
| Evaporators — Material Test Report         | Material test report | Issued per order | 1     | On request |

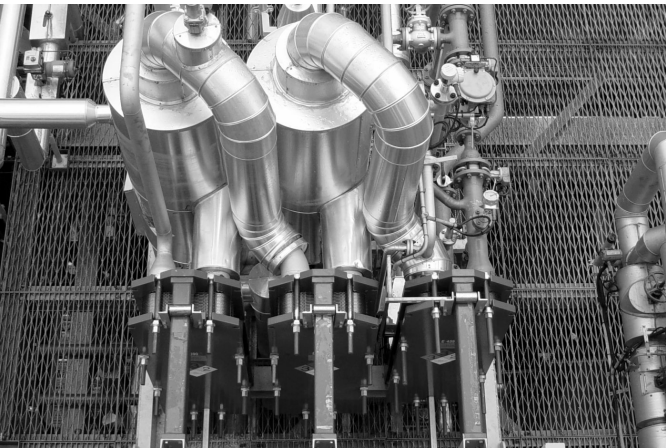
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LIFECYCLE

# 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



EVAPORATORS



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 |

EVAPORATORS 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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