

AIR DRYER — PRODUCT OVERVIEW

PRODUCT OVERVIEW

Air Dryer — Product Overview

Heating Solutions · Air Dryer

Novaryn air dryers cover galvanized steel, stainless steel, laser-finned, and plain-tube designs depending on fouling, hygiene, corrosion, and process temperature.

Construction

Galvanized steel, stainless, laser-finned, or plain-tube

Duty

Industrial drying and heating air

Maintenance

Fouling-aware cleaning strategy

STANDARDS & MATERIALS

The framework behind the line.

Design standards

ASME VIII Div. 1 · EN 13445 · API 560 · PED 2014/68/EU

Material scope

Carbon steel · Stainless steel · Laser-finned tube ·
Aluminium · Specialist alloys

Applications

Pulp and paper · Steel and metallurgy · Industrial cooling ·
Gas cleaning · Grid · Supermarkets

Series depth

3 series · three planning sizes each

At a glance

- Low pressure loss
- High durability
- Compact installed footprint
- Plain-tube cleanability

Typical applications

- Pulp and paper
- Steel and metallurgy
- Industrial cooling
- Gas cleaning
- Grid

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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-HS-109	Galvanized	Heavy industrial drying	Hot-dip galvanized tubes · High durability
NX-HS-110	Stainless	Hygienic or aggressive media	Laser-finned tubes · Long service life
NX-HS-111	PlainTube	Heavy pollution	Long on-stream time · Easy cleaning

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.



AIR DRYER – REPRESENTATIVE NOVARYN EQUIPMENT

VARIANTS

Planning variants

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

SERIES	MODEL	DUTY	MEDIUM	CONFIGURATION	PART NUMBER
Galvanized	NX-HS-109-S	100 kW	Steam	Vertical	NX-HS-109-S
Galvanized	NX-HS-109-M	200 kW	Thermal oil	Horizontal	NX-HS-109-M
Galvanized	NX-HS-109-L	300 kW	Exhaust gas	Vertical	NX-HS-109-L
Stainless	NX-HS-110-S	200 kW	Thermal oil	Horizontal	NX-HS-110-S
Stainless	NX-HS-110-M	300 kW	Exhaust gas	Vertical	NX-HS-110-M
Stainless	NX-HS-110-L	400 kW	Water	Horizontal	NX-HS-110-L
PlainTube	NX-HS-111-S	300 kW	Exhaust gas	Vertical	NX-HS-111-S
PlainTube	NX-HS-111-M	400 kW	Water	Horizontal	NX-HS-111-M
PlainTube	NX-HS-111-L	500 kW	Steam	Vertical	NX-HS-111-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.



AIR DRYER – REPRESENTATIVE NOVARYN EQUIPMENT

AIR DRYER — PRODUCT OVERVIEW

APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- Low pressure loss
- High durability
- Compact installed footprint
- Plain-tube cleanability

Application scope

- Pulp and paper
- Steel and metallurgy
- Industrial cooling
- Gas cleaning
- Grid
- Supermarkets

DOCUMENTATION

Documents

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

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Air Dryer Datasheet	Datasheet	Rev. 04	2	Download
Air Dryer — Product Overview	Product overview	Rev. 04	4	Download
Air Dryer — 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.

Engineering engineering@novarynindustrial.com
Sales sales@novarynindustrial.com
Telephone +1 (713) 555-0186
Address 4800 Federal Road, Houston, TX 77032, United States
Web www.novarynindustrial.com