

K-FLEX STYLE PLATE HEAT EXCHANGER – PRODUCT OVERVIEW

PRODUCT OVERVIEW

K-Flex Style Plate Heat Exchanger — Product Overview

Process Heat Transfer · K-Flex Style Plate Heat Exchanger

Novaryn flexible welded plate modules are positioned for high-flow process systems where compactness, low pressure drop, and plate-side efficiency need to coexist.

Pressure class

Up to 100 bar planning class

Temperature class

-200 C to 550 C planning class

Surface area

Large modular exchanger platforms

STANDARDS & MATERIALS

The framework behind the line.

Design standards

ASME VIII Div. 1 / Div. 2 · TEMA R / C / B · API 660 · API 661

Material scope

316L stainless · Duplex 2205 · Titanium · Nickel alloys · Carbon steel

Applications

LNG · Basic chemicals · Pharma · Speciality chemicals

Series depth

1 series · three planning sizes each

At a glance

- High flow with low pressure drop
- Standardized modules
- Large surface area potential
- Gas-proof welded design

Typical applications

- LNG
- Basic chemicals
- Pharma
- Speciality chemicals

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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-PT-072	LowDrop	2,500-12,000 m2 planning class	Tube-like and wave-like channels · High flowrate duties

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.



K-FLEX STYLE PLATE HEAT EXCHANGER – REPRESENTATIVE NOVARYN EQUIPMENT

VARIANTS

Planning variants

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

SERIES	MODEL	SURFACE AREA	PRESSURE CLASS	MATERIAL	PART NUMBER
LowDrop	NX-PT-072-S	15 m²	PN 25	Duplex 2205	NX-PT-072-S
LowDrop	NX-PT-072-M	30 m²	PN 40	Titanium	NX-PT-072-M
LowDrop	NX-PT-072-L	45 m²	PN 100	316L	NX-PT-072-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.



K-FLEX STYLE PLATE HEAT EXCHANGER – REPRESENTATIVE NOVARYN EQUIPMENT

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APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- High flow with low pressure drop
- Standardized modules
- Large surface area potential
- Gas-proof welded design

Application scope

- LNG
- Basic chemicals
- Pharma
- Speciality chemicals

DOCUMENTATION

Documents

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

DOCUMENT	TYPE	REV.	PAGES	ACCESS
K-Flex Style Plate Heat Exchanger Datasheet	Datasheet	Rev. 04	2	Download
K-Flex Style Plate Heat Exchanger — Product Overview	Product overview	Rev. 04	4	Download
K-Flex Style Plate Heat Exchanger — 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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