

BONDED PLATE PROCESS HEAT EXCHANGER DATASHEET

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Process Heat Transfer · Bonded Plate Process Heat Exchanger

Novaryn bonded plate process exchangers support chemical, energy, and gas-processing duties that need strong thermal performance in a smaller package than conventional shell-and-tube equipment. The page focuses on bonded core integrity, process stability, and skid-friendly installation.

Core type Bonded plate process module	Install model Compact skid or plant integration
Selection focus Pressure, approach temperature, and material compatibility	Family Process Heat Transfer
Series entries 2	Core standards ASME VIII Div. 1 / Div. 2 · TEMA R / C / B · API 660 · API 661

SERIES

Series range

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-067	Compact	Modular bonded plate core	Process skid fit · High transfer density
NX-PT-068	Severe	Demanding process service	Material-led configuration · Pressure-aware planning

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

Engineering intent

- Compact bonded core
- High surface-area density
- Low installed weight
- Good fit for modular process plants

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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
Compact	NX-PT-067-S	15 m²	PN 25	Duplex 2205	NX-PT-067-S
Compact	NX-PT-067-M	30 m²	PN 40	Titanium	NX-PT-067-M
Compact	NX-PT-067-L	45 m²	PN 100	316L	NX-PT-067-L
Severe	NX-PT-068-S	30 m²	PN 40	Titanium	NX-PT-068-S
Severe	NX-PT-068-M	45 m²	PN 100	316L	NX-PT-068-M
Severe	NX-PT-068-L	60 m²	PN 16	Duplex 2205	NX-PT-068-L

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

DOCUMENTATION

Line documents

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

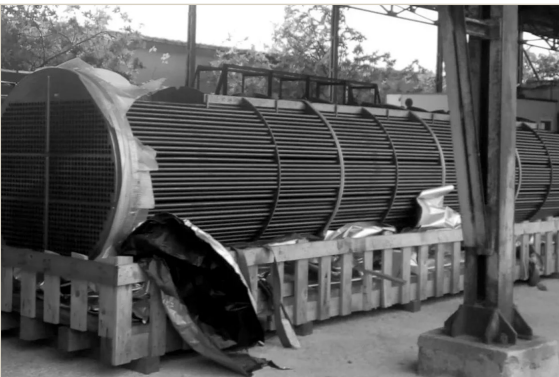
DOCUMENT	TYPE	REV.	PAGES	ACCESS
Bonded Plate Process Heat Exchanger Datasheet	Datasheet	Rev. 04	2	Download
Bonded Plate Process Heat Exchanger — Product Overview	Product overview	Rev. 04	4	Download
Bonded Plate Process Heat Exchanger — General Arrangement	Drawing	Rev. 03	1	Download

Order reference

Quote the line name and series code, then attach the duty point and the required document set. The controlling revision is shown in the header.

Selection inputs

- Media, concentration and allowable pressure drop
- Design flow, inlet and outlet temperatures
- Design pressure, test pressure and design temperature
- Ambient conditions, plot, access and connection schedule



REPRESENTATIVE LINE CONFIGURATION