

BRAZED PLATE HEAT EXCHANGERS DATASHEET

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Plate Heat Exchangers · Brazed Plate Heat Exchangers

Novaryn brazed plate units are positioned for fast equipment selection where footprint, weight, and thermal approach matter. The range covers potable-water separation, refrigeration, heat pumps, high-pressure refrigerants, and corrosion-sensitive duties through material and circuit variations.

Duty profile Water, glycol, refrigerant, and utility fluids	Pressure band Low, medium, and high pressure variants
Service model Replaceable unit strategy	Family Plate Heat Exchangers
Series entries 5	Core standards ASME VIII Div. 1 · PED 2014/68/EU · AHRI 400

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-PHE-001	Watersafe	16 bar class	Drinking-water duties · Low-temperature utility loops
NX-PHE-002	Compact	35-45 bar class	General HVAC-R · High-efficiency plate geometry
NX-PHE-003	Refrigerant HP	46-140 bar class	CO2 and high-pressure refrigerants · Small refrigerant charge
NX-PHE-004	Double Wall	Safety separation	Media separation · Leak-aware construction
NX-PHE-005	Stainless	Corrosion-sensitive duties	Non-ferrous-free option · High corrosion resistance

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

Engineering intent

- Small installed footprint
- Low hold-up volume
- High turbulence transfer
- Multiple pressure classes

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VARIANTS

Planning variants

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

SERIES	MODEL	PLATE AREA	CONNECTION	PRESSURE CLASS	PART NUMBER
Watersafe	NX-PHE-001-S	18 m²	DN 80	PN 25	NX-PHE-001-S
Watersafe	NX-PHE-001-M	36 m²	DN 100	PN 40	NX-PHE-001-M
Watersafe	NX-PHE-001-L	54 m²	DN 150	PN 16	NX-PHE-001-L
Compact	NX-PHE-002-S	36 m²	DN 100	PN 40	NX-PHE-002-S
Compact	NX-PHE-002-M	54 m²	DN 150	PN 16	NX-PHE-002-M
Compact	NX-PHE-002-L	72 m²	DN 50	PN 16	NX-PHE-002-L
Refrigerant HP	NX-PHE-003-S	54 m²	DN 150	PN 16	NX-PHE-003-S
Refrigerant HP	NX-PHE-003-M	72 m²	DN 50	PN 16	NX-PHE-003-M
Refrigerant HP	NX-PHE-003-L	90 m²	DN 80	PN 25	NX-PHE-003-L
Double Wall	NX-PHE-004-S	72 m²	DN 50	PN 16	NX-PHE-004-S
Double Wall	NX-PHE-004-M	90 m²	DN 80	PN 25	NX-PHE-004-M
Double Wall	NX-PHE-004-L	108 m²	DN 100	PN 40	NX-PHE-004-L
Stainless	NX-PHE-005-S	90 m²	DN 80	PN 25	NX-PHE-005-S
Stainless	NX-PHE-005-M	108 m²	DN 100	PN 40	NX-PHE-005-M
Stainless	NX-PHE-005-L	126 m²	DN 150	PN 16	NX-PHE-005-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
Brazed Plate Heat Exchangers Datasheet	Datasheet	Rev. 04	2	Download
Brazed Plate Heat Exchangers — Product Overview	Product overview	Rev. 04	4	Download
Brazed Plate Heat Exchangers — 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.