

DATASHEET

# Wide-Gap Plate Heat Exchangers Datasheet

Plate Heat Exchangers · Wide-Gap Plate Heat Exchangers

Novaryn wide-gap plate exchangers help operators handle products such as slurries, pulps, syrups, wastewater streams, and process liquids with suspended solids. The product page frames channel selection, cleanability, and pressure-drop control for difficult media.

|                                                                                |                                                                                   |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <div>Channel type</div> <div>Wide-gap plate path</div>                         | <div>Media profile</div> <div>Viscous, fibrous, and particle-bearing fluids</div> |
| <div>Service route</div> <div>Openable frame for cleaning and inspection</div> | <div>Family</div> <div>Plate Heat Exchangers</div>                                |
| <div>Series entries</div> <div>2</div>                                         | <div>Core standards</div> <div>ASME VIII Div. 1 · PED 2014/68/EU · AHRI 400</div> |

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-017 | Process | Viscous process fluids    | Syrups and concentrates · Controlled pressure drop |
| NX-PHE-018 | Fiber   | Fiber and solids handling | Pulp-style duties · Reduced fouling tendency       |

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

## Engineering intent

- Reduced blockage risk
- Lower pressure-drop route
- Openable service access
- Better handling of suspended solids

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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  |
|---------|--------------|------------|------------|----------------|--------------|
| Process | NX-PHE-017-S | 18 m²      | DN 80      | PN 25          | NX-PHE-017-S |
| Process | NX-PHE-017-M | 36 m²      | DN 100     | PN 40          | NX-PHE-017-M |
| Process | NX-PHE-017-L | 54 m²      | DN 150     | PN 16          | NX-PHE-017-L |
| Fiber   | NX-PHE-018-S | 36 m²      | DN 100     | PN 40          | NX-PHE-018-S |
| Fiber   | NX-PHE-018-M | 54 m²      | DN 150     | PN 16          | NX-PHE-018-M |
| Fiber   | NX-PHE-018-L | 72 m²      | DN 50      | PN 16          | NX-PHE-018-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   |
|------------------------------------------------------|------------------|---------|-------|----------|
| Wide-Gap Plate Heat Exchangers Datasheet             | Datasheet        | Rev. 04 | 2     | Download |
| Wide-Gap Plate Heat Exchangers — Product Overview    | Product overview | Rev. 04 | 4     | Download |
| Wide-Gap 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.

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