

SHELL & TUBE DOUBLE SAFETY DATASHEET

DATASHEET

Shell & Tube Double Safety Datasheet

Process Heat Transfer · Shell & Tube Double Safety

Novaryn double-safety exchangers use a monitored path between inner and outer tube walls, allowing leak detection while keeping media separated for safer operation until planned maintenance.

Safety model Double tube and double tube-sheet path	Leak response Leak channel to monitored collection space
Operation Continue until scheduled maintenance when safe	Family Process Heat Transfer
Series entries 3	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-075	Standard	Cost-efficient safety route	Common industrial duties · Leak monitoring
NX-PT-076	Welded	Demanding requirement route	Higher specification shells · Process-critical duties
NX-PT-077	Sustainable	Special application route	Natural gas and sensitive utilities · Environmental compliance

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

Engineering intent

- Safe media separation
- Leak monitoring
- High production availability
- Environmental protection

SHELL & TUBE DOUBLE SAFETY DATASHEET

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
Standard	NX-PT-075-S	15 m²	PN 25	Duplex 2205	NX-PT-075-S
Standard	NX-PT-075-M	30 m²	PN 40	Titanium	NX-PT-075-M
Standard	NX-PT-075-L	45 m²	PN 100	316L	NX-PT-075-L
Welded	NX-PT-076-S	30 m²	PN 40	Titanium	NX-PT-076-S
Welded	NX-PT-076-M	45 m²	PN 100	316L	NX-PT-076-M
Welded	NX-PT-076-L	60 m²	PN 16	Duplex 2205	NX-PT-076-L
Sustainable	NX-PT-077-S	45 m²	PN 100	316L	NX-PT-077-S
Sustainable	NX-PT-077-M	60 m²	PN 16	Duplex 2205	NX-PT-077-M
Sustainable	NX-PT-077-L	75 m²	PN 25	Titanium	NX-PT-077-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
Shell & Tube Double Safety Datasheet	Datasheet	Rev. 04	2	Download
Shell & Tube Double Safety — Product Overview	Product overview	Rev. 04	4	Download
Shell & Tube Double Safety — 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