

DATASHEET

Compressor Coolers / Pressure Gas Coolers Datasheet

Engine & Generator Cooling · Compressor Coolers / Pressure Gas Coolers

Novaryn pressure gas coolers target compressor efficiency, reliable gas recooling, and process stability for large gas volumes and elevated pressure applications.

Gas volume 5,000-500,000 Nm3/h planning class	Pressure class Up to 50 bar planning class
Media Air, oxygen, chlorine, CO2, helium, hydrogen, hydrocarbons	Family Engine & Generator Cooling
Series entries 1	Core standards ASME VIII Div. 1 · EN 13445 · ISO 15550 · PED 2014/68/EU

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-EC-064	Pressure	Water-cooled pressure gas cooler	Compression systems · Process recooling

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

Engineering intent

- High gas-volume coverage
- Pressure-ready design
- Safety exchanger options
- Corrosion-resistant tubes

VARIANTS

Planning variants

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

SERIES	MODEL	HEAT LOAD	FLOW RATE	CIRCUIT	PART NUMBER
Pressure	NX-EC-064-S	50 kW	8 m³/h	Seawater	NX-EC-064-S
Pressure	NX-EC-064-M	100 kW	16 m³/h	Charge air	NX-EC-064-M
Pressure	NX-EC-064-L	150 kW	24 m³/h	Water / glycol	NX-EC-064-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
Compressor Coolers / Pressure Gas Coolers Datasheet	Datasheet	Rev. 04	2	Download
Compressor Coolers / Pressure Gas Coolers — Product Overview	Product overview	Rev. 04	4	Download
Compressor Coolers / Pressure Gas Coolers — 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