

Evotube U

Heat exchanger systems especially
for CIP systems



Heat exchanger module for CIP processes

The Evtube heat exchanger has been integrated in Krones lines for many years and has been available on the market as individual components since 2020. Now there is a new, compact module that is ideal for use primarily in CIP systems. It is also suitable for heating and cooling process water and for non-aseptic product applications.

At a glance

- Main field of application: CIP systems
 - but also for heating and cooling process water and for non-aseptic product applications
- Efficient heat transfer due to large heat exchanger surface
- Still compact dimensions (length of 2,097 mm per module)
- Thermal length compensation by means of sliding joint and internally mounted tube bundle
- Design in hygienic design
- Easy maintenance





Facts and figures

- Pressure resistance: 16 bar inside/10 bar outside
- Max. temperature range: 185 °C
- Material: 1.4404
- Surface condition: Ra 0.8 inside
- Pressure equipment directive: AD2000
- Nominal diameters: DN40 to DN100
- Length per module = 2,097 mm





The right heat exchanger for every application

Evoguard is the ideal partner when it comes to the selection of a tailor-made heat exchanger:

- Clarification of requirements
- Individual configuration of the heat exchanger, especially customised to suit your requirements
- Rheological product characterization in the Krones laboratory possible
- Advice from experienced specialists which can access considerable databases with more than 2,000 product data





Heat exchanger portfolio

Module type* U	Rated flow rate with 2 m/s (m ³ /h)	Module length (m)	Heat exchanger surface (m ²)	Differential temp. primary side (°K)	Heat transfer performance (kW)
56.3-7*14/1	6.0	2	0.56	23.7	160
84.9-19*14/1	16.0	2	1.53	19.6	353
110.3-28*14/1	24.0	2	2.20	18.9	511
125-37*14/1	30.0	2	3.0	19.3	654
150-54*14/1	44.0	2	4.3	18.7	928
150-109*10/1	40.0	2	6.1	38.5	1735

All values based on:

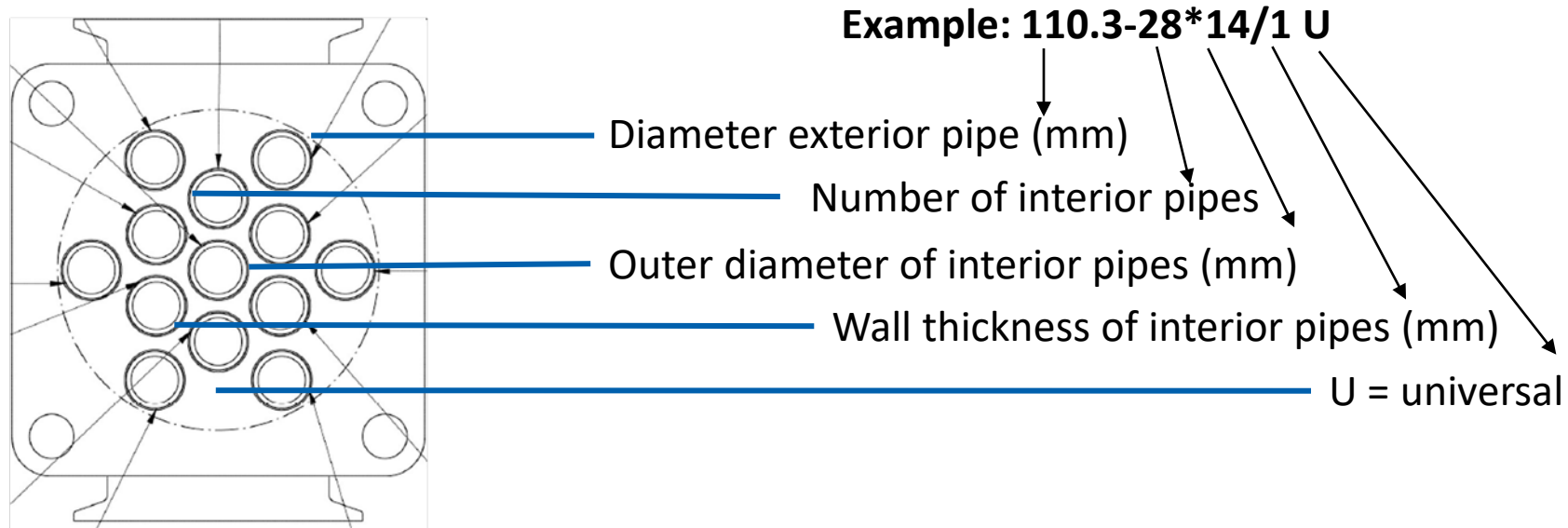
Primary medium: Caustic (4 %), heating to 85 °C

Secondary medium: Saturated steam, 3 bar at 144 °C

** Nomenclature: see next page*



Explanation of the module nomenclature





Benefits to you

Flexible application

The robust jacket pipe enables safe installation in every installation position.

Safe operation

The sliding joint was designed according to the Evoguard valve technology and permits leakproof operation.

Efficient heat transfer with compact dimensions

With a length of 2,097 mm, the dimensions of every module are compact. The heat exchanger surface, on the other hand, increases depending on the size, ensuring effective heat transfer.

Safe cleaning

Thanks to a design with reduced dead space in hygienic design, all product contacting surfaces are easy to clean.

Comprehensive concepts for process technology

In addition to heat exchangers, the Krones Group also offers compact and space-saving units for product deaeration, heating and product mixing, as well as process water sterilisation and CIP/SIP systems.



Overview of our product range

