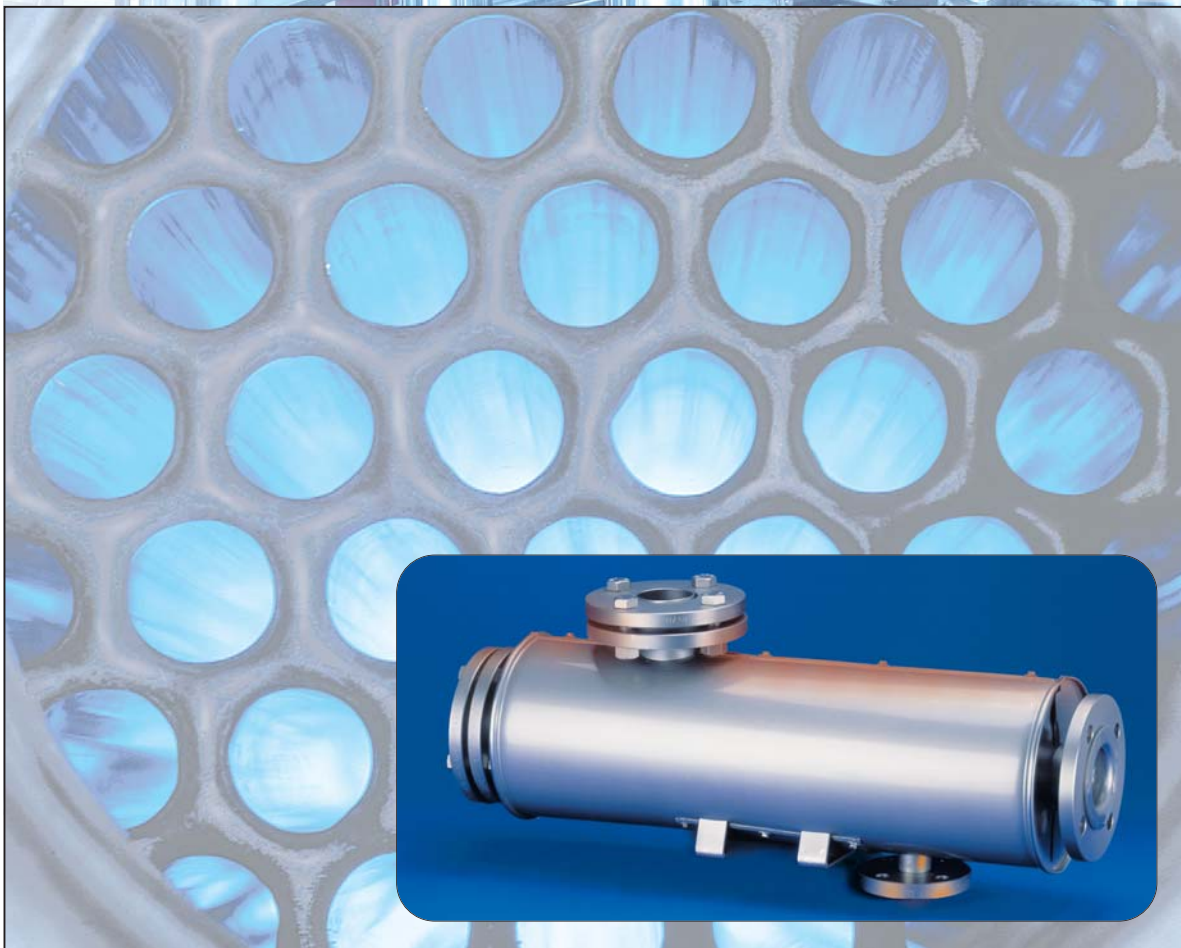


VARITUBE® C

Compact Heat Exchanger



Application

The Compact Heat Exchanger, VARITUBE® C is primarily used for water heating. However, it is also suitable for media such as acid and caustic solutions which are used, for example, in cleaning processes (CIP) in hygienic applications. Presently, four sizes are available enabling a wide choice of the correct Compact Heat Exchanger for the particular application. Heat Exchangers for higher flow rates and capacities are available on request.

Design

A number of small inertubes situated in the shell makes the Heat Exchanger very compact and efficient. The inertube bundle can easily be dismantled from both ends. The ends are sealed by a double O-Ring design which compensates for heat expansion. Additionally, a radially positioned leakage "tellpipe" ensures that, the unlikely event of any leakage of the product or media, will be detected.

Advantages of the VARITUBE® C

- easily dismantled and re-assembled
- low operational and maintenance costs
- including Mineralwool-Insulation 40 mm, clad in stainless steel
- counter flanges available on request

Technical Data

Material:

Innertubes:

AISI 316 TI (1.4571)

Shell:

AISI 321 (1.4541)

Gasket:

EPDM

Option: AFLAS®

(steam resistant Viton)

Design pressure:

Innertube – 10 barg

Shell – 8 barg

Design Data:

Heating from 70 °C to 85 °C using saturated steam of 6 bar abs. (158 °C)

Connections:

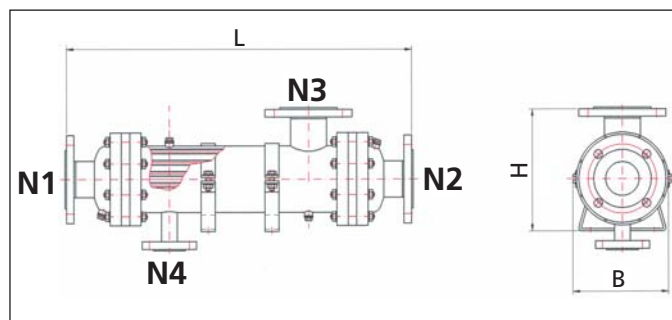
Flanges (AISI 321)

according to DIN 2642

Design temperature:

Innertube – 100 °C

Shell – 160 °C



Type	L [mm]	H [mm]	B [mm]	Weight (empty) [kg]	Connections (flanges acc. to DIN 2642)*		
					Product N1/N2	Steam N3	Condensate N4
C 15	663	230	170	~ 30	DN 50	DN 50	DN 25
C 25	739	260	195	~ 40	DN 65	DN 65	DN 25
C 40	820	300	230	~ 60	DN 65	DN 100	DN 50
C 60	877	365	285	~ 80	DN 100	DN 125	DN 50

* Other flanges and counter flanges are available on request

Type	Flow rate up to [m ³ /h]	Pressure drop [kPa]	Thermal capacity [kW]	Heat Exchanger EPDM order-no.	Heat Exchanger AFLAS order-no.	Counter-flanges (set) order-no.
C 15	15	5	265	95 000 721	95 000 791	95 000 741
C 25	25	4	435	95 000 722	95 000 792	95 000 742
C 40	40	6	700	95 000 723	95 000 793	95 000 743
C 60	60	4	1.045	95 000 724	59 000 794	95 000 744