

Varitherm Plate Heat Exchangers

A multitude of applications

Applications: Cooling and heating of fluids with particle content (without fibres) up to a particle size of 2 mm. Condensation of vapours, gas cooling and gas dehumidifying.

Construction: The Varitherm plates are combined to form individual plate packages. With this construction it is easy to expand the system. Within each plate package the heat exchanger plates support each other at the metal contact points, which ensure the stable behaviour of the plate gap.

Advantages: Many different Varitherm plate types permit an optimum economical solution for nearly any application. A range of materials are available from 1.4301/AISI 304 to alloys, nickel, tantalum and titanium.

Economical: Low investment and maintenance costs ensure a high level of economy.

Your advantages at a glance

- Painted frames for all sizes
- High grade steel frames for the sizes VT 04 to VT 80
- Operating pressures up to 25 bar, test pressures up to 32,5 bar
- Plates in various sizes, corrugations and materials
- Glueless LocIn sealing system with the sizes VT 20 to VT 80
- Gasket materials NBR, EPDM and FPM. Special gaskets such as silicon, hypalon or butyl available on request



Features and advantages

- Low investment costs due to individual design
- Flexibility due to a simple-to-extend system
- Space saving due to a compact design
- Low maintenance costs due to easy maintenance and LocIn changes



The Varitherm product range

	Width	Length	Max. volume flow	Max. connection size		Max. working pressure	Frames			Plate material							
				painted frame	stainless steel frame		painted	stainless steel cladded	solid stainless steel	1.4301 AISI 304	1.4401 AISI 316	1.4404 AISI 316L	1.4547 254 SMO	1.4539 AISI 904L	Alloy C-276	Alloy 59	Titanium
Type	mm	mm	m³/h	DN	DN	bar											
VT 04	128	549	16	32	32	25	•		•		•	•					•
VT 10	215	781	40	50	50	16	•		•		•	•					•
VT 20	340	999	100	80	65	18	•	•	•		•	•	•	•	•	•	•
VT 40	426	1400	210	125	100	25	•	•		•	•	•	•	•	•	•	•
VT 80	615	1767	500	200	150	25	•	•		•	•	•	•	•	•	•	•
VT 2508	1210	2490	3200	500		12	•				•	•					•

Further material combinations available upon request!

The specifications contained in this printing unit are intended only to serve the non-binding description of our products and services and are not subject to guarantee. Binding specifications, especially pertaining to performance data and suitability for specific operating purposes, are dependent upon the individual circumstances at the operation location and can, therefore, only be made in terms of precise requests.

Your contact:



GEA Heat Exchangers

GEA Ecoflex GmbH

Karl-Schiller-Straße 1-3 · 31157 Sarstedt · Germany
Phone +49 5066 601-0 · Fax +49 5066 601-104
info@gea-ecoflex.com · www.gea-phe.com