



mixing & heat transfer

HEC COIL TYPE HEAT EXCHANGER

High-Performance Construction

The coil heat exchanger design is based entirely on glass. The coil is fused to the shell. This creates the following advantages:

- No possible leak between the shell and the coil. Important for GMP applications.
- Outstanding corrosion resistance because of the exclusive use of borosilicate glass, and therefore:
 - No possible metal contamination, yielding the highest product purity.
 - Suitable for direct installation into columns.

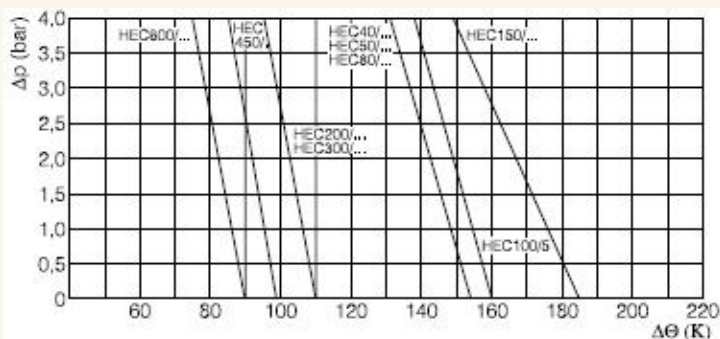
Units are supplied in various designs with exchange areas ranging from 0.2 to 15.0 m². Larger areas can be obtained by combining several exchangers. Used primarily for condensation and cooling, they can also be used for heat transfer between liquids and gases in general.



Performance data

An approximate calculation of heat transfer surface areas can be based on the following guide figures for heat transfer coefficients:

Jacket side Medium	Vapor to be condensed	Liquid	Gas
Coil side Medium	Cooling water	Cooling water	Cooling water
Heat Transfer coefficient Wm⁻²K⁻¹	290	175	50



Permissible pressure difference between the coil and the jacket as a function of the temperature difference between the products in the two areas.

For More Information

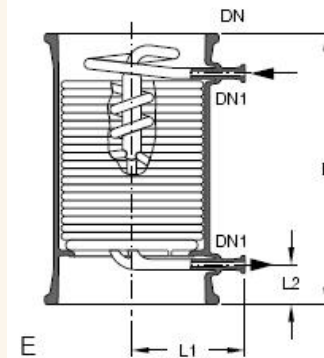
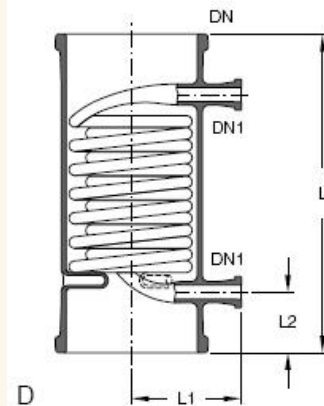
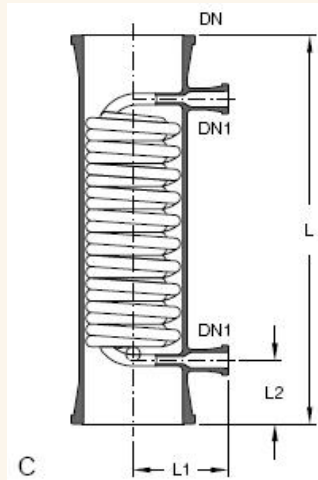
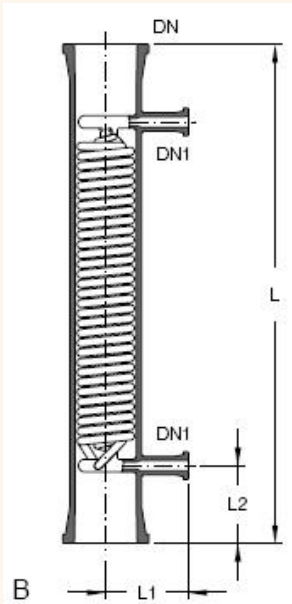
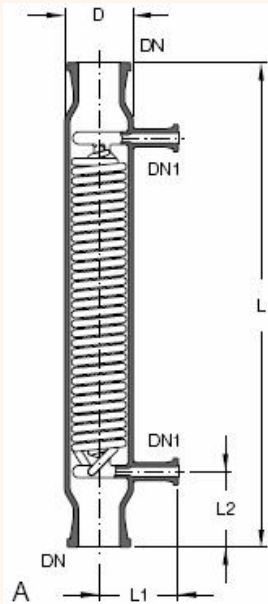
Contact by phone... 800-722-2405
 Contact by fax... 908-889-4954
 Contact by E-mail... SALES@DDPSINC.COM





mixing & heat transfer

HEC COIL TYPE HEAT EXCHANGER



Area (m ²)	DN	DN1	D	L	L1	L2	Type	Reference
0.2	40	15	60	610	75	95	A	HEC40/2
0.3	50	15	80	610	100	95	A	HEC50/3
0.3	80	15		610	100	95	B	HEC80/3
0.5	100	15		610	125	80	B	HEC100/5
0.7	150	25		610	150	100	C	HEC150/7
1.0	150	25		840	150	100	C	HEC150/10
1.0	200	25		500	175	95	D	HEC200/10
1.5	200	25		725	175	95	D	HEC200/15
2.5	300	25		600	275	100	E	HEC300/25
4.0	300	25		825	275	100	E	HEC300/40
6.0	450	25		850	350	125	E	HEC450/60
8.0	450	25		900	350	125	E	HEC450/80
12.0	600	50		1000	450	150	E	HEC600/120
15.0	600	50		1250	450	150	E	HEC600/150

244 SHEFFIELD STREET
MOUNTAINSIDE NJ 07092
FAX 908-889-4960

908-317-2585
WWW.DDPSINC.COM
EMAIL SALES@DDPSINC.COM

9110 FORSYTH PARK DRIVE
CHARLOTTE NC 28273
FAX 908-889 4960

Copyright © De Dietrich Process Systems, Inc. All rights reserved.



The information contained in this brochure is believed to be reliable general guidelines for consideration of the products and services described herein. The information is general in nature and should not be considered applicable to any specific process or application. De Dietrich Process Systems, Inc. expressly disclaims any warranty, expressed or implied of fitness for any specific purpose in connection with the information contained herein.