MAKING MODERN LIVING POSSIBLE

Micro Plate Heat Exchanger

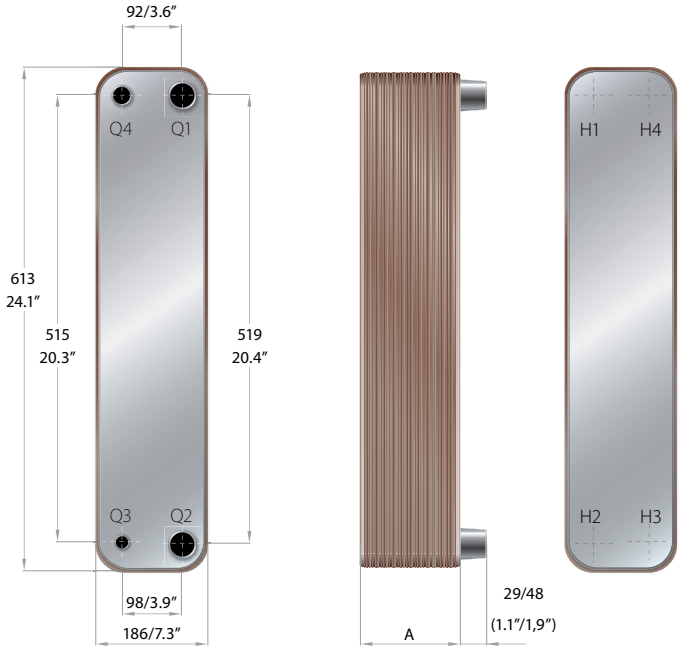
D118 Evaporators
save you time and money

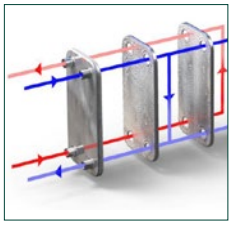
Latest micro plate technology | Easy installation | 30 or 45 bar design pressure

Scan the QR code for more technical- and ordering information

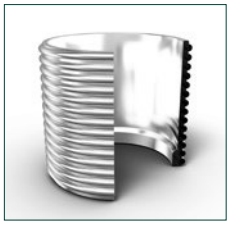
D118 - increased flexibility, increased savings

Micro Plate Heat Exchanger (MPHE)





Flow design in MPHE



Flexible two-in-one connection

Innovative micro plate design

Scan QR code for more technical information and code numbers

INTRODUCTION

The new Danfoss D118 is an excellent route to increased savings. With a robust and resource-efficient design, the D118 is designed to operate efficiently year after year in a whole range of applications. The innovative D118 channel plate pattern makes it the best heat exchanger on the market, significantly reducing energy consumption and lowering CO_2 emissions. The D118 has a capacity of 20-90 kW and is suitable for evaporators, condensers and one-phase applications. Thanks to the two-in-one connection it is always easier to install. The D118 is the natural choice for any application.

KEY FEATURES

- Standard- and high-pressure designs make it the ideal solution for any application or refrigerant
- Two-in-one connection for easy installation
- With innovative micro plate channel plate pattern for higher heat transfer to minimize weight and refrigerant charge

EASY INSTALLATION

A D118 heat exchanger is always easier to use. Every product is delivered with Danfoss two-in-one connections, which allow both threading and soldering. The universal soldering connections are suitable for both customary/imperial and metric piping.

TECHNICAL DATA
n = NUMBER OF PLATES

The D118 product is available in these different configurations for evaporators:
D118-E: Evaporator with refrigerant distributor
D118L-E: High-pressure Evaporator, approved to 45 bar

Model:	A (mm/inch)	Min/Max. working temperature:	Max. working pressure:	Hold-up volume: Q1-Q2 / Q3-Q4	Weight:
D118-E	11.5+1.74xn 0.45+0.07xn	-196 °C / 200 °C	30 bar 435 psi	(l): 0.151×n/2 / 0.151×(n-2)/2 (ft^3): 0.005×n/2 / 0.005×(n-2)/2	(kg): 5.95+0.26xn (lb): 13.13+0.57xn
D118L-E	15.5+1.74xn 0.61+0.07xn	390 °F / -320 °F	45 bar 650 psi		(kg): 7.94+0.26xn (lb): 17.53+0.57xn

STANDARD MATERIALS

Cover plates: AISI 304L
Plates: AISI 316L
Connections: AISI 304L
Brazing filler: Pure copper
Other material combinations are available on request. Please contact your Danfoss sales representative for more information.

THIRD-PARTY APPROVALS

Europe: Pressure Equipment Directive (PED). America: Underwriters Laboratory Inc (UL). The third-party approvals stated are standard for all our products. For details of other existing approvals or to discuss how we can meet your local needs, please contact your Danfoss representative.

TECH SUPPORT

A number of easy-to-use online tools and the advanced heat exchanger software Hexact make it easier than ever to choose the right heat exchanger.

AVAILABILITY

A new logistics set-up with a full standard product range allows fast and reliable off-the-shelf deliveries. To see the full list of available standard products and configurations, use the QR code on the first page or contact your local sales representative.

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