



Micro Plate Heat Exchanger

D118 Condensers

save you time and money

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



24/7

ordering from stock

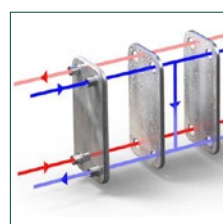
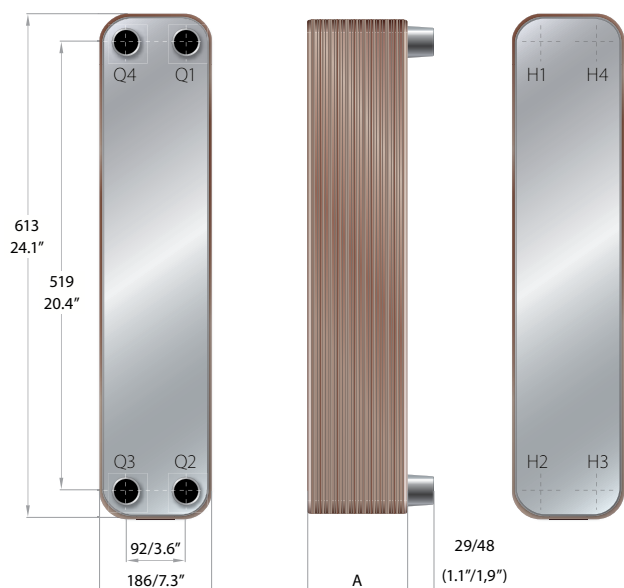
quick and easy deliveries from stock.

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 CO₂ 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 condensers:

D118: approved to 30 bar

D118-H: Special (high-theta) pattern for high heat transfer

D118L-H: High-pressure, high-theta, approved to 45 bar

D118L: High-pressure, approved to 45 bar

Model:	A (mm/inch)	Min/Max. working temperature:	Max. working pressure:	Hold-up volume: Q1-Q2 / Q3-Q4	Weight:
D118	11.5+1.74xn 0.45+0.07xn	-196 °C / 200 °C	30 bar 435 psi	(l): 0.151xn/2 / 0.151x(n-2)/2 (ft ³): 0.005xn/2 / 0.005x(n-2)/2	5.95kg+0.26xn 13.13lb+0.57xn
D118L	15.5+1.74xn 0.61+0.07xn		45 bar 650 psi		7.94kg+0.26xn 17.53lb+0.57xn
D118-H	11.5+1.54xn 0.45+0.06xn	390 °F / -320 °F	30 bar 435 psi	(l): 0.13xn/2 / 0.13x(n-2)/2 (ft ³): 0.005xn/2 / 0.005x(n-2)/2	5.94kg+0.26xn 13.11lb+0.57xn
D118L-H	15.5+1.54xn 0.61+0.06xn		45 bar 650 psi		7.93kg+0.26xn 17.51lb+0.57xn

STANDARD MATERIALS

Cover plates: AISI 304L

Connections: AISI 304L

Other material combinations are available on request. Please contact your Danfoss sales representative for more information.

Plates: AISI 316L

Brazing filler: Pure copper

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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