

Data sheet

Micro Plate Heat Exchanger

Save you time and money

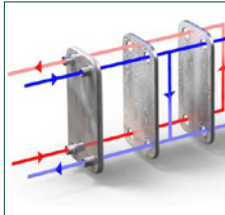
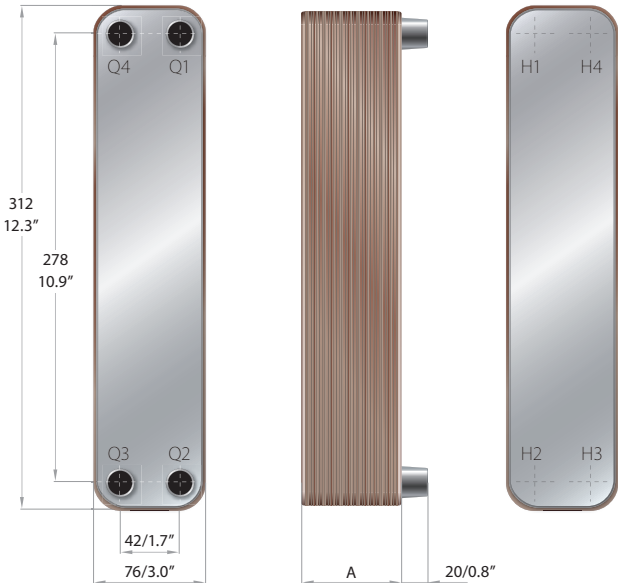
D22

24/7

ordering from stock
quick and easy
deliveries from stock.

D22 - increased flexibility and savings

Micro Plate Heat Exchanger



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 D22 is an excellent route to increased savings. With a robust and resource-efficient design, the D22 is designed to operate efficiently year after year in a whole range of applications. The innovative D22 channel plate pattern makes it the best heat exchanger on the market, significantly reducing energy consumption and lowering CO₂ emissions. The D22 has a capacity of 3-30 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 D22 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 D22 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 D22 product is available in two different configurations:
D22: Base product approved to 30 bar. **D22L:** High pressure version approved to 45 bar.

Model	A	Min/Max. working temperature	Max. working pressure	Hold-up volume Q1-Q2 / Q3-Q4	Weight
D22	(mm) 8+1.19n (inch) 0.31+0.05n	-196 °C/-320 °F / 200 °C/390 °F	30 bar/435 psi	(l): 0.021×n/2 / 0.021×(n-2)/2 (ft³): 0.001×n/2 / 0.001×(n-2)/2	(kg): 0.58+0.045xn (lb): 1.28+0.10xn
D22L	(mm) 10+1.19n (inch) 0.39+0.05n		45 bar/650 psi		(kg): 0.77+0.045xn (lb): 1.70+0.10xn

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 with 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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