

Data sheet

# Micro Plate Heat Exchanger

## Save you time and money

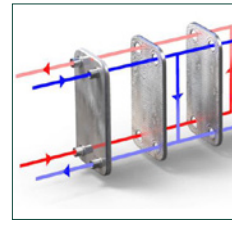
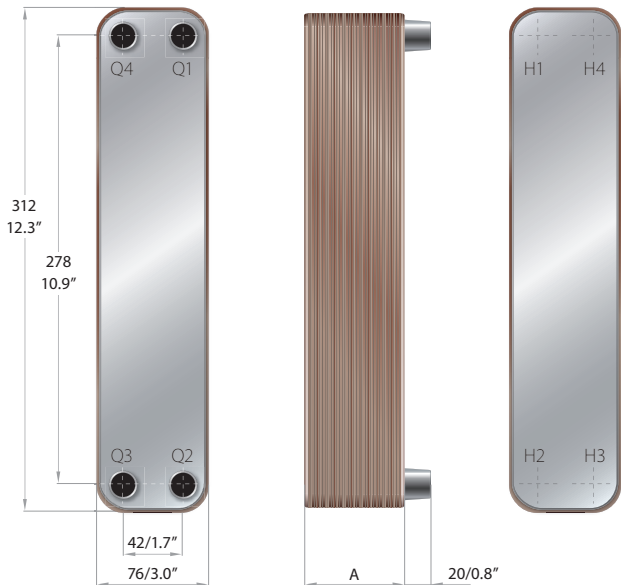
D22

**24/7**

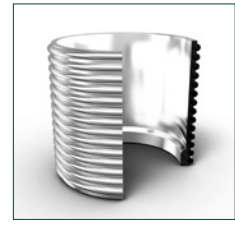
ordering from stock  
quick and easy  
deliveries from stock.

# D22 - increased flexibility and savings

## Micro Plate Heat Exchanger



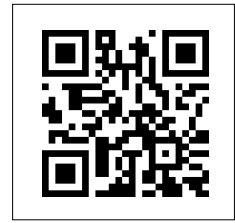
Flow design in MPHE



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 CO<sub>2</sub> 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 /	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	200 °C/390 °F	45 bar/650 psi		(kg): 0.77+0.045xn (lb): 1.70+0.10xn

### 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 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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