

# P80

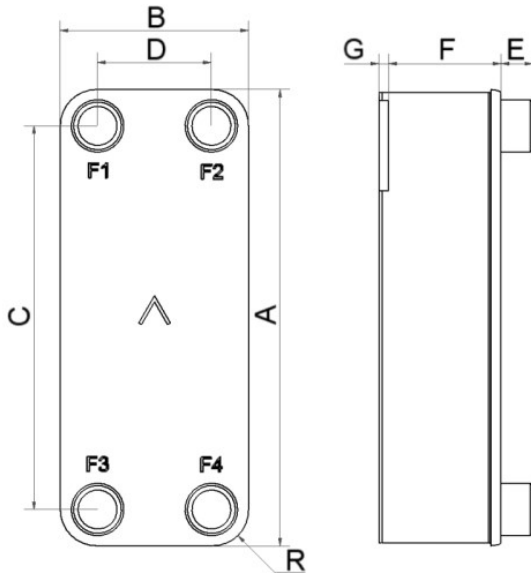
The P80 is designed as an evaporator using refrigerants. The optimization delivers a significant increase in heat flux, saving energy and giving impressive efficiency gains for chiller systems.



## Basic specifications

|                                |   |
|--------------------------------|---|
| Maximum number of plates (NoP) | 140   |
| Max flow                       | 16.9 m <sup>3</sup> /h (74.41 gpm)              |
| Channel volume                 | 0.107 dm <sup>3</sup> (0.0038 ft <sup>3</sup> ) |
| Material                       | 316 stainless steel plates, copper brazing      |
| Weight excl. connections       | 2.09+(0.194*NoP) kg<br>4.61+(0.428*NoP) lb      |

## Standard dimensions



| #   | MM              | IN              |
|-----|-----------------|-----------------|
| A   | 526             | 20.71           |
| B   | 119             | 4.69            |
| C   | 470             | 18.5            |
| D   | 63              | 2.48            |
| F   | 4.00+2.24*(NoP) | 0.16+0.09*(NoP) |
| G   | 6               | 0.24            |
| R   | 23              | 0.91            |
| E_1 | 27.10           | 1.07            |

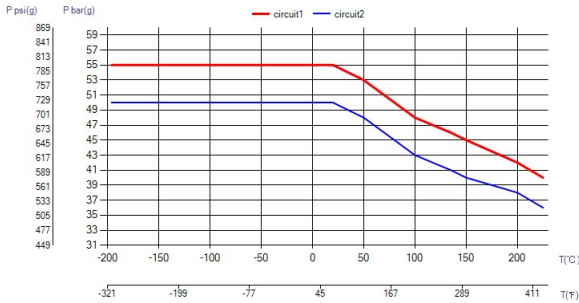
## Available connections



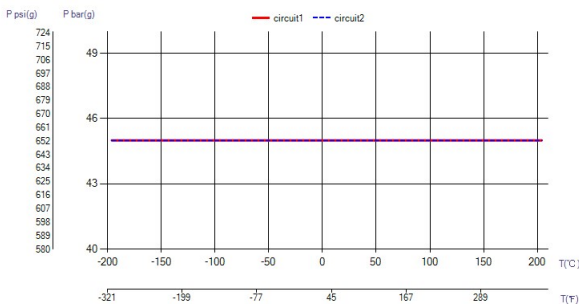
Solder Connection Threaded Connection Combo Connection Victaulic Connection Threaded Ultra High Approved

\*For specific dimensions, or information about other types of connections, please contact your SWEP sales representative.

## PED Pressure / Temperature



## UL Pressure / Temperature



## Product concept

The Brazed Plate Heat Exchanger (BPHE) is constructed as a plate package of corrugated channel plates with a filler material between each plate. During the vacuum brazing process, the filler material forms a brazed joint at every contact point between the plates, creating complex channels. The BPHE allows media at different temperatures to come into close proximity, separated only by channel plates that enable heat from one media to be transferred to the other with very high efficiency. The concept is similar to other plate and frame technology, but without the gaskets and frame parts.

## 3rd party Approvals

Most SWEP products are approved by below listed certification organizations: Europe, Pressure Equipment Directive (PED) America, Underwriters Laboratories Inc (UL) Japan, Kouatsu-Gas Hoan Kyoukai (KHK) Additionally SWEP holds approvals from a vast variety of other certification organizations. For more details please contact your local SWEP representative. SWEP reserves the right to make changes without prior notice.

## Find product solution - SSP

With SWEP's unique SSP, the SWEP Software Package, you can do advanced heat transfer calculations yourself. It's also easy to choose connections and generate drawings of the complete product. If you would like advice, SWEP offers all the service and support you need. Several SWEP accessories are also available to fulfill additional needs.

## Disclaimer

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