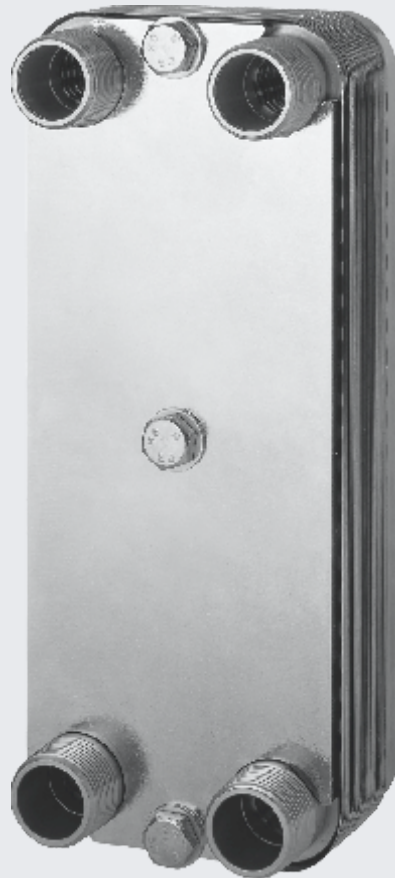
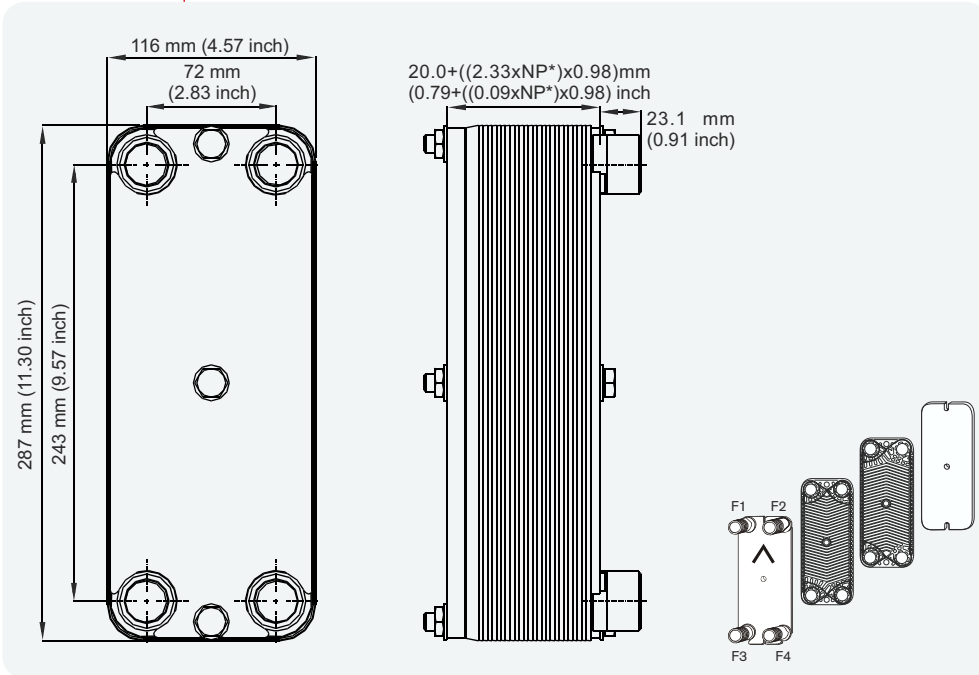


# M10



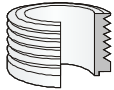
Thanks to an ingenious basic design, M10 combines excellent heat transfer with a compact size despite the use of rubber gaskets. For applications with small and moderate flows of 12 m<sup>3</sup>/h (53 usg/min.) M10 offers great opportunities for precise customization. The product can be adapted for numerous configurations and material combinations, e.g. titanium channel plates.

# M10

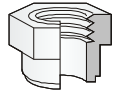


## Standard connections

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



Externally



Int. Threaded  
with Hex. Ext.

## Technical data

Max flow rate	12 m <sup>3</sup> /h (53 usg/min.)
Max working pressure	10 bar (145 psi)
Max working temperature	100°C (212°F), 115°C (239°F) on water/water applications
Min working temperature	0°C (32°F)
Test pressure	15 bar (218 psi)
Max. Number of plates	60
BPHE weight dry (approx.)	6.0 + 0.11 × NP* kg (13.23 + 0.243 × NP* lb)
Hold-up volume: inner circuit	0.042 × (NP*/2 - 1) litre (0.012 × (NP*/2 - 1) gal.)
Hold-up volume: outer circuit	0.042 × NP*/2 litre (0.012 × NP*/2 gal.)
Standard connection size	1"
Connection height	33 mm (1.30 inch) or 37 mm (1.46 inch)

\*NP = Number of plates

## Material

Frame material:	Stainless steel or corrosion protected carbon steel
Plate material:	EN 10028/7-1.4401 (AISI 316) or Titanium
Gasket material:	Nitrile: NBR(p) or Peroxide cured: EPDM(p)
Connection material:	EN 10272-1.4401 (AISI 316), Carbon steel or Titanium

## The Minex - our little hybrid

The Minex is a hybrid. It's not brazed like a BPHE. It has the gasket of a PHE (plate-and-frame heat exchanger), but it's small, so it does not need the typical support frame. The gaskets and the plates can be of various materials. Even if a costlier, high-performance metal is required for the heat transfer surface, the front and back plates can be made of baser material to cut costs. The snap-in-place connections allow the use of different metals without the risk of weld deterioration. They also allow easier assembly.

## Easy to choose the right product solution

With SWEP's unique SSP BPHE, the SWEP Software Package, you can do advanced heat transfer calculations yourself, and choose the product solution that suits your application best. It's also easy to choose connections and generate drawings of the complete product. If you would like advice, or you would like to discuss different product solutions, SWEP offers all the service and support you need.

If you would like more information about M10 High Pressure or our other products, please contact your local SWEP representative.