PRODUCT SHEET

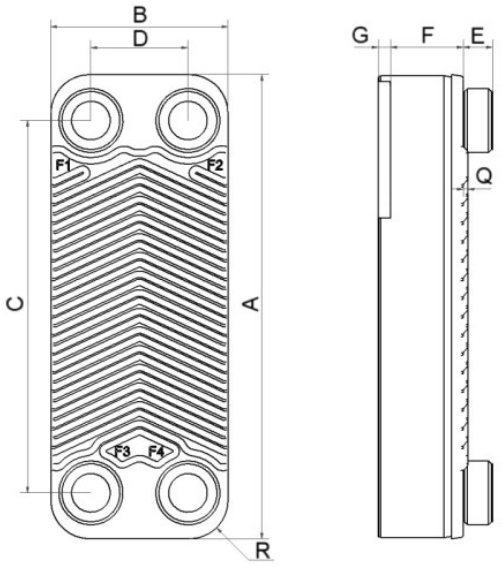
B5T All-Stainless

SWEP All-Stainless™ products are developed for systems demanding 100% stainless steel components, and for high temperature applications. They can be used with fluids that are corrosive to copper such as ammonia and biogas or for sensitive applications where copper and nickel contamination must be avoided such as oil, DI water and pharmaceutical applications. SWEP's unique process technology enables a compact product with minimal material usage relative to its mechanical strength. The B5T enables efficient heat exchange in applications with small flows and extreme demands for compactness. Easy to install and use, the product is small yet versatile, which makes it a good choice for small oil or water coolers.

Basic specifications

Maximum number of plates (NoP)	60
Max flow	4 m³/h (17.61 gpm)
Channel volume	0.024/0.024 dm³ (0.0008/0.0008 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	0.40+(0.0447*NoP) kg 0.88+(0.099*NoP) lb

Standard dimensions

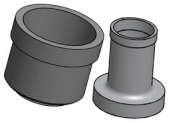


#	MM	IN
A	192.80	7.59
B	75.40	2.97
C	154	6.06
D	40	1.57
F	3,00+2,30*(NoP)	11.81+9.06*(NoP)
G	7.40	0.29
R	17.70	0.7
E_1	20	0.79

Available connections

Threaded Ultra High Approved

Threaded Connection



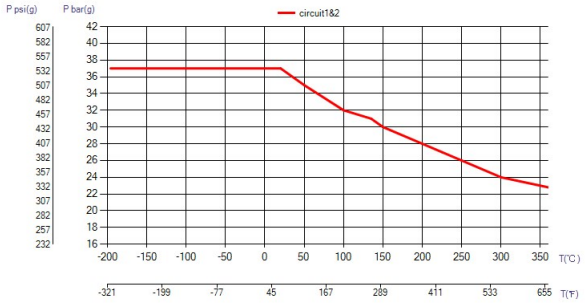
Solder Connection

Combo Connection

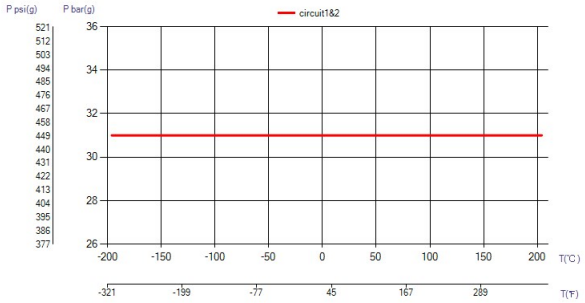
Weld Connection

*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

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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.

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PRODUCT SHEET

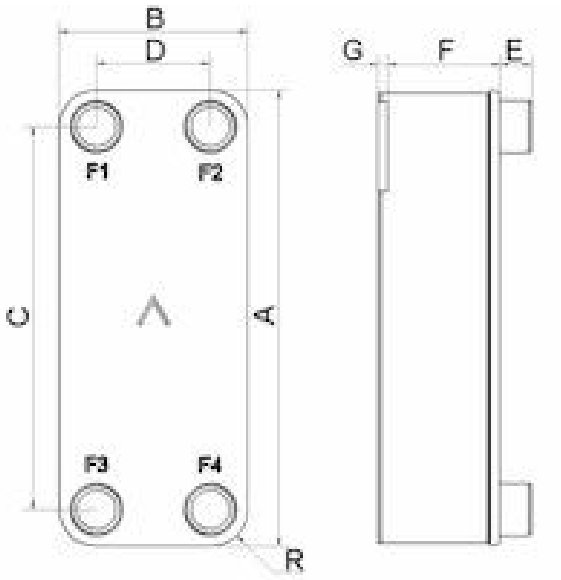
B10TS- All Stainless

SWEP All-Stainless™ products are developed for systems demanding 100% stainless steel components, and for high temperature applications. They can be used with fluids that are corrosive to copper such as ammonia and biogas or for sensitive applications where copper and nickel contamination must be avoided such as oil, DI water and pharmaceutical applications. SWEP's unique process technology enables a compact product with minimal material usage relative to its mechanical strength. The B10TS delivers efficient heat exchange solutions across a wide capacity interval and is quick and simple to adapt for several applications. The product's compact size, versatility, and excellent heat transfer make it a perfect choice for both single-phase and refrigerant applications.

Basic specifications

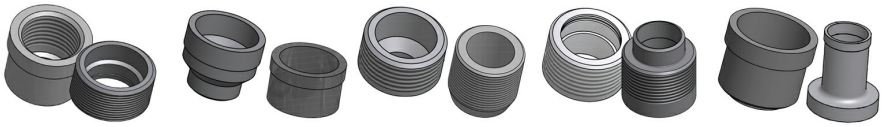
Maximum number of plates (NoP)	140
Max flow	9 m³/h (39.63 gpm)
Channel volume	0.061/0.061 dm³ (0.0022/0.0022 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	1.24+(0.121*NoP) kg 2.73+(0.267*NoP) lb

Standard dimensions



#	MM	IN
A	289	11.38
B	119	4.69
C	243	9.57
D	72	2.83
F	4,00+2,39*(NoP)	15.75+9.41*(NoP)
G	6	0.24
R	23	0.91
E_1	20	0.79

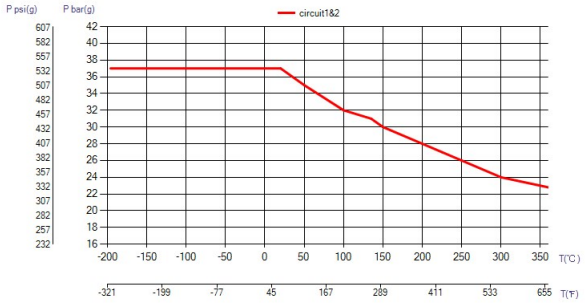
Available connections



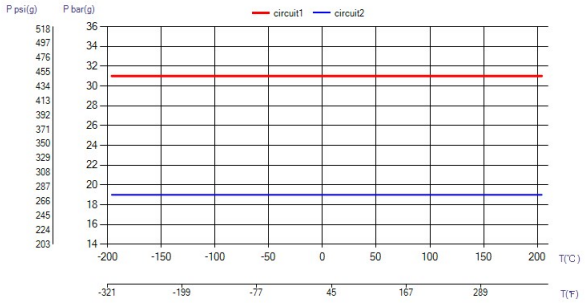
Threaded Connection | Victaulic Connection | Threaded Ultra High Approved | Combo Connection | Solder Connection

*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.

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Find product solution - SSP

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PRODUCT SHEET

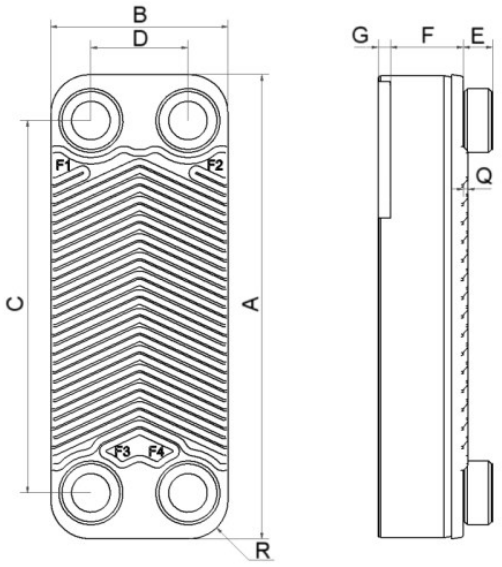
B80S- All Stainless

SWEP All-Stainless™ products are developed for systems demanding 100% stainless steel components, and for high temperature applications. They can be used with fluids that are corrosive to copper such as ammonia and biogas or for sensitive applications where copper and nickel contamination must be avoided such as oil, DI water and pharmaceutical applications. SWEP's unique process technology enables a compact product with minimal material usage relative to its mechanical strength. The B80S is our medium-size high-capacity model. It is the perfect choice for most types of low-capacity chiller applications and high-performance heat pumps and is a proven oil cooler for compressors and hydraulics.

Basic specifications

Maximum number of plates (NoP)	140
Max flow	17 m³/h (74.85 gpm)
Channel volume	0.107/0.107 dm³ (0.0038/0.0038 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	2.18+(0.231*NoP) kg 4.80+(0.509*NoP) lb

Standard dimensions



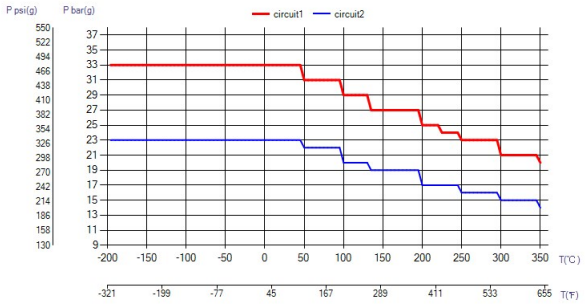
#	MM	IN
A	526	20.71
B	119	4.69
C	470	18.5
D	63	2.48
F	4,00+2,39*(NoP)	15.75+9.41*(NoP)
G	6	0.24
R	23	0.91
E_1	27	1.06

Available connections

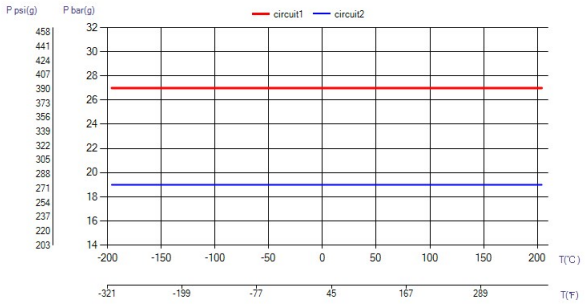
Threaded Connection | Solder Connection | Combo Connection | Victaulic Connection | Weld Connection

*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.

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PRODUCT SHEET

B85S

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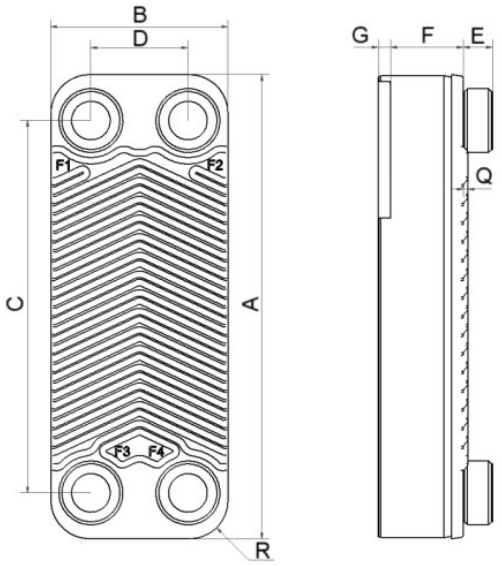
Basic specifications

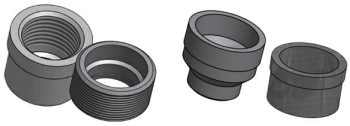
Maximum number of plates (NoP)	160
Max flow	17 m³/h (74.85 gpm)
Channel volume	0.094/0.094 dm³ (0.0033/0.0033 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	2.18+(0.201*NoP) kg 4.80+(0.443*NoP) lb

Standard dimensions



#	MM	IN
A	526	20.71
B	119	4.69
C	470	18.5
D	63	2.48
F	4,00+1,99*(NoP)	15.75+7.83*(NoP)
G	6	0.24
R	23	0.91
E_1	27	1.06

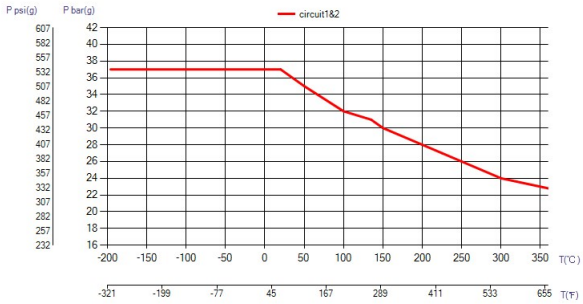
Available connections



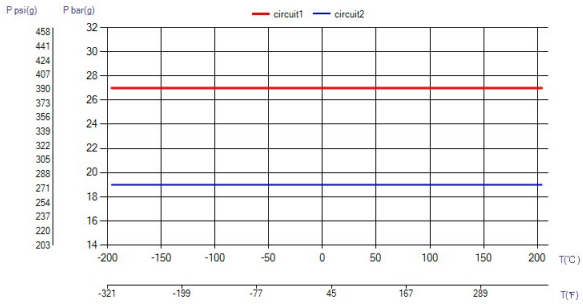
Threaded Connection Victaulic Connection

*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.

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PRODUCT SHEET

B221

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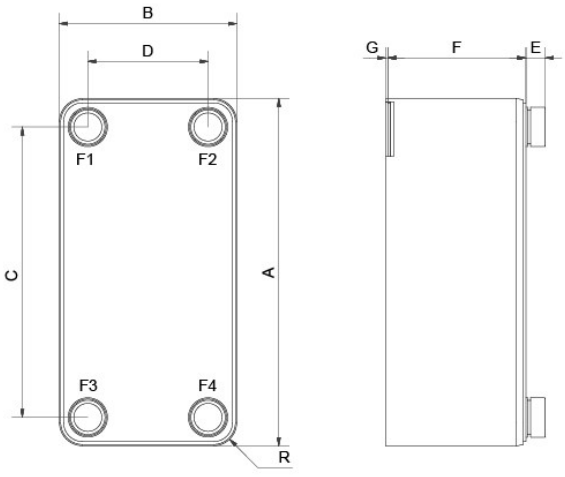
Basic specifications

Maximum number of plates (NoP)	150
Max flow	27 m³/h (118.88 gpm)
Channel volume	0.254/0.254 dm³ (0.0090/0.0090 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	10.60+(0.6*NoP) kg 23.37+(1.323*NoP) lb

Standard dimensions



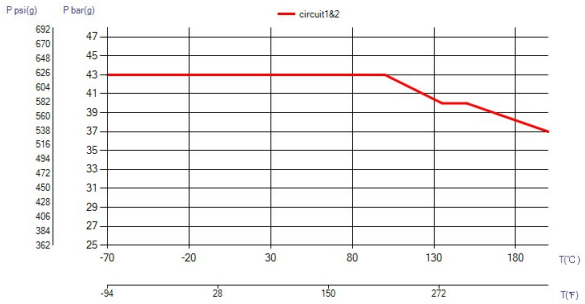
#	MM	IN
A	529	20.83
B	271	10.67
C	444	17.48
D	184	7.24
F	18,40+2,40*(NoP)	72.44+9.45*(NoP)
R	35.50	1.4
E_1	30	1.18

Available connections

Weld Connection

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

PED Pressure / Temperature



Product concept

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PRODUCT SHEET

B222

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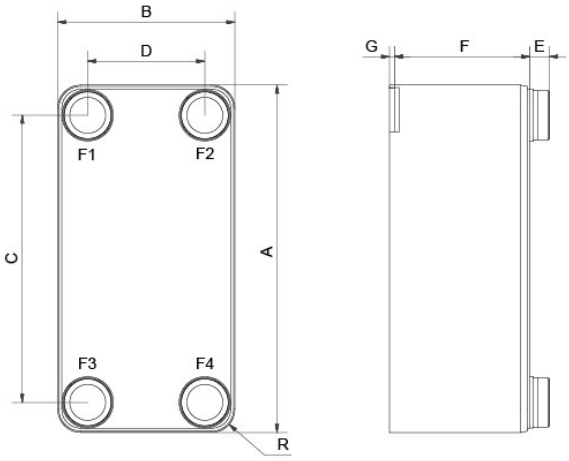
Basic specifications

Maximum number of plates (NoP)	150
Max flow	43 m³/h (189.32 gpm)
Channel volume	0.254/0.254 dm³ (0.0090/0.0090 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	10.40+(0.56*NoP) kg 22.93+(1.235*NoP) lb

Standard dimensions



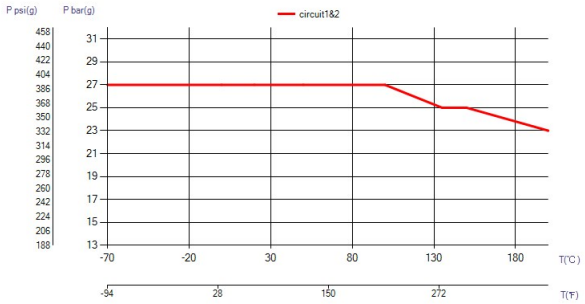
#	MM	IN
A	529	20.83
B	271	10.67
C	439	17.28
D	179	7.05
F	18,40+2,40*(NoP)	72.44+9.45*(NoP)
R	35.50	1.4
E_1	30	1.18

Available connections

Weld Connection

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

PED 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.

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PRODUCT SHEET

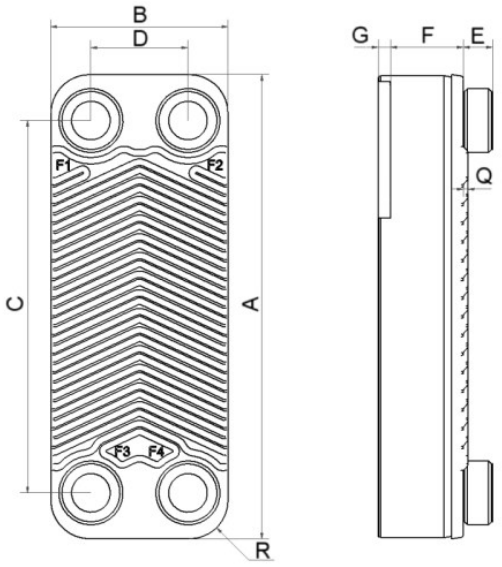
QB80S - All Stainless

SWEP All-Stainless™ products are developed for systems demanding 100% stainless steel components, and for high temperature applications. They can be used with fluids that are corrosive to copper such as ammonia and biogas or for sensitive applications where copper and nickel contamination must be avoided such as oil, DI water and pharmaceutical applications. SWEP's unique process technology enables a compact product with minimal material usage relative to its mechanical strength. The fully integrated Q-pipe distribution system is optimized for high-efficiency evaporation and is the most efficient and versatile in the market. The QB80S is available in a wide number of plate sizes.

Basic specifications

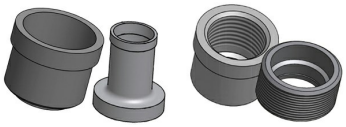
Maximum number of plates (NoP)	90
Max flow	17 m³/h (74.85 gpm)
Channel volume	0.107/0.107 dm³ (0.0038/0.0038 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	2.10+(0.231*NoP) kg 4.64+(0.509*NoP) lb

Standard dimensions



#	MM	IN
A	526	20.71
B	119	4.69
C	470	18.5
D	63	2.48
F	4,00+2,39*(NoP)	15.75+9.41*(NoP)
G	6	0.24
R	23	0.91
E_1	27	1.06

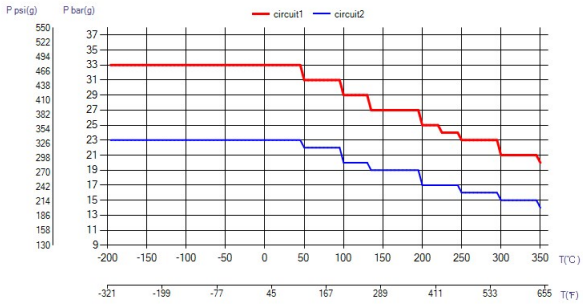
Available connections



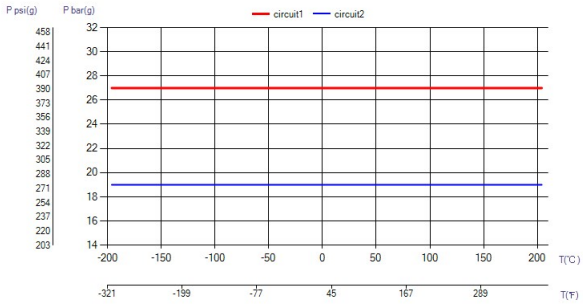
Solder Connection Threaded Connection

*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

The information and recommendations in regards to the products are presented in good faith, however, SWEP makes no representations or warranties as to the completeness or accuracy of the information. Information is supplied upon the condition that the purchasers will make their own determination as to the products' suitability for their purposes prior to use. Purchasers should note that the properties of the products are both application and material selection dependent and that products containing stainless steel are still object to corrosion if used in unsuitable environments. Standard data is presented, product variants with different data may exist. Contact your SWEP sales representative for more details. SWEP may change any data without notice.

PRODUCT SHEET

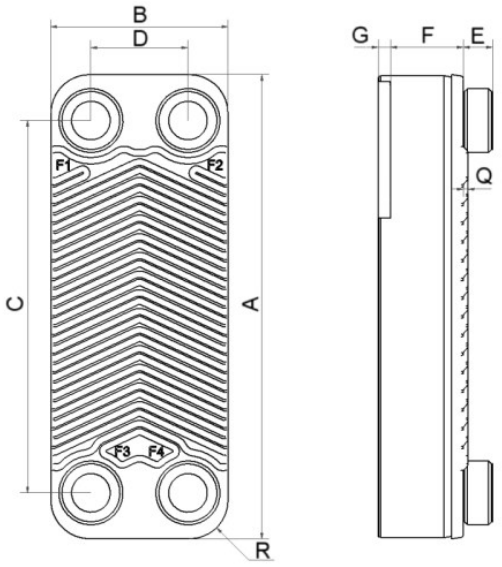
QF80S - All Stainless

SWEP All-Stainless™ products are developed for systems demanding 100% stainless steel components, and for high temperature applications. They can be used with fluids that are corrosive to copper such as ammonia and biogas or for sensitive applications where copper and nickel contamination must be avoided such as oil, DI water and pharmaceutical applications. SWEP's unique process technology enables a compact product with minimal material usage relative to its mechanical strength. The fully integrated Q-pipe distribution system is optimized for high-efficiency evaporation and is the most efficient and versatile in the market. The QF80S is available in a wide number of plate sizes.

Basic specifications

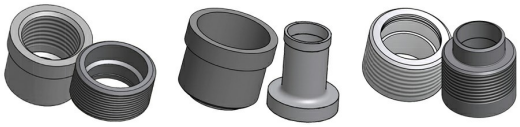
Maximum number of plates (NoP)	90
Max flow	17 m³/h (74.85 gpm)
Channel volume	0.107/0.107 dm³ (0.0038/0.0038 ft³)
Material	316 Stainless Steel Plates, Stainless Steel Brazing
Weight excl. connections	2.10+(0.231*NoP) kg 4.64+(0.509*NoP) lb

Standard dimensions



#	MM	IN
A	526	20.71
B	119	4.69
C	470	18.5
D	63	2.48
F	4,00+2,39*(NoP)	15.75+9.41*(NoP)
G	6	0.24
R	23	0.91
E_1	27	1.06

Available connections



Threaded Connection Solder Connection Combo Connection

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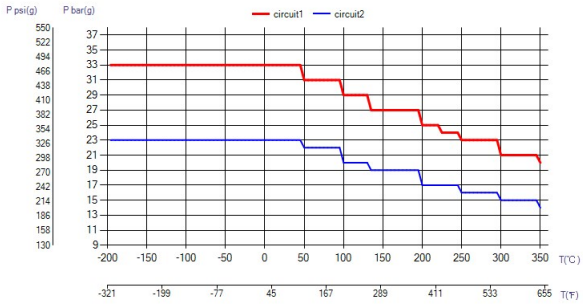
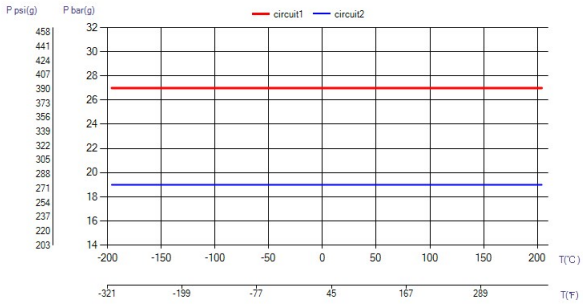
PED Pressure / Temperature



UL Pressure / Temperature



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