



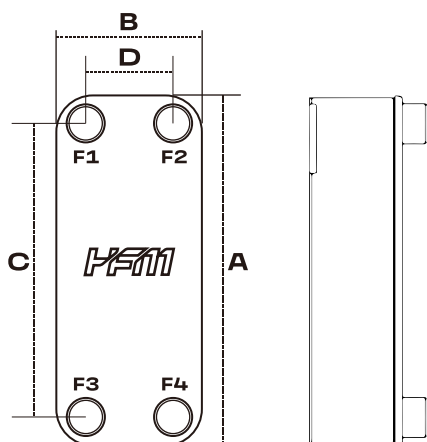
Brazed Plate Heat Exchangers

**Compact Solutions for Efficient
Heat Transfer**

**Your
Trusted
Partner
for
Plate
Heat
Exchanger**



HB10A



A	193mm
B	75mm
C	154mm
D	40mm
Brazing thickness	11+2.2N (mm)
Unit Weight	0.54+0.045N (kg)
Max flow	6.41m ³ /h
Channel volume	0.021*(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.021*N/2 (L)

Internal Volume per Side 2: F3/F4 0.021*(N-2)/2 (L)

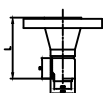
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

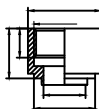
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

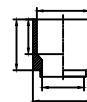
Available Connection Types for Selection Reference



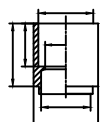
Welded flange



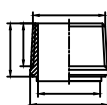
Female Threaded Connection



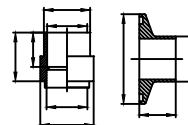
Welded pipe



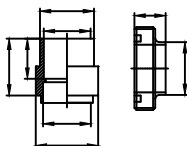
Soldering



Male Threaded Connection



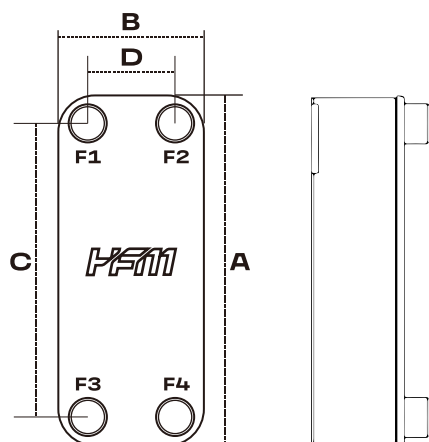
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB10B



A	207mm
B	77mm
C	172mm
D	42mm
Brazing thickness	9+2.2N (mm)
Unit Weight	0.69+0.05N (kg)
Max flow	7.14m³/h
Channel volume	0.0265*(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.0265*N/2 (L)

Internal Volume per Side 2: F3/F4 0.0265*(N-2)/2 (L)

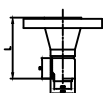
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

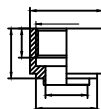
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

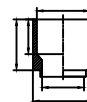
Available Connection Types for Selection Reference



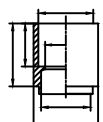
Welded flange



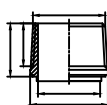
Female Threaded Connection



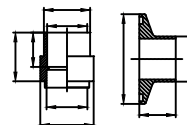
Welded pipe



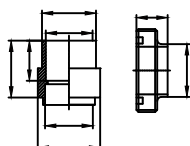
Soldering



Male Threaded Connection



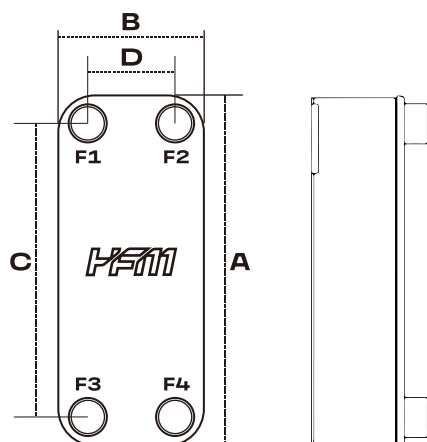
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB10C



A	318mm
B	78mm
C	282mm
D	42mm
Brazing thickness	9.5+2.2N (mm)
Unit Weight	0.99+0.07N (kg)
Max flow	7.91m³/h
Channel volume	0.04*(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.04*N/2 (L)

Internal Volume per Side 2: F3/F4 0.04*(N-2)/2 (L)

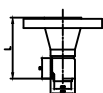
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

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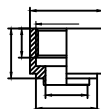
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

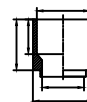
Available Connection Types for Selection Reference



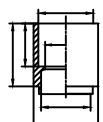
Welded flange



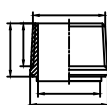
Female Threaded Connection



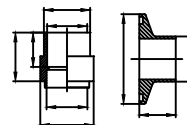
Welded pipe



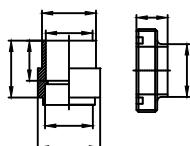
Soldering



Male Threaded Connection



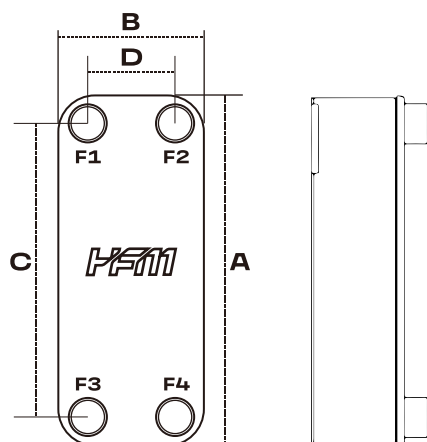
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB10D



A	319mm
B	90mm
C	269mm
D	40mm
Brazing thickness	10+1.65N (mm)
Unit Weight	1.32+0.09N (kg)
Max flow	10m³/h
Channel volume	0.024(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 120

Internal Volume per Side 1: F1/F2 $0.024 \cdot N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.024 \cdot (N-2)/2$ (L)

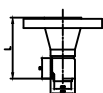
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

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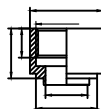
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

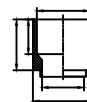
Available Connection Types for Selection Reference



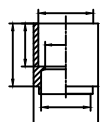
Welded flange



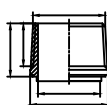
Female Threaded Connection



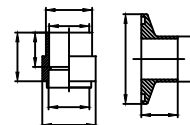
Welded pipe



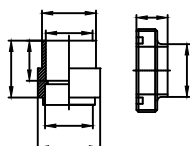
Soldering



Male Threaded Connection



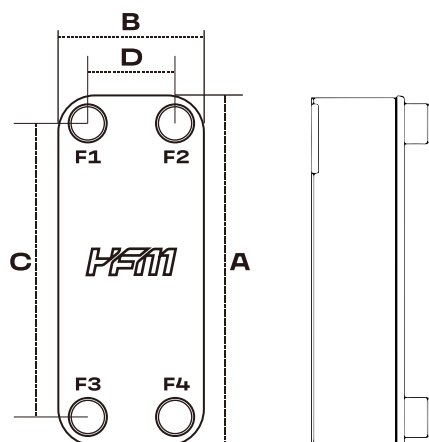
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB10E



A	154mm
B	76mm
C	120mm
D	42mm
Brazing thickness	8+1.25N (mm)
Unit Weight	0.48+0.03N (kg)
Max flow	7.14m³/h
Channel volume	0.0097(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.0097*N/2 (L)

Internal Volume per Side 2: F3/F4 0.0097*(N-2)/2 (L)

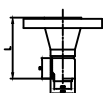
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

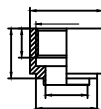
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

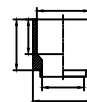
Available Connection Types for Selection Reference



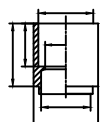
Welded flange



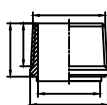
Female Threaded Connection



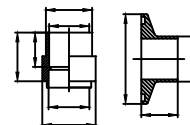
Welded pipe



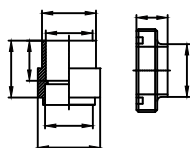
Soldering



Male Threaded Connection



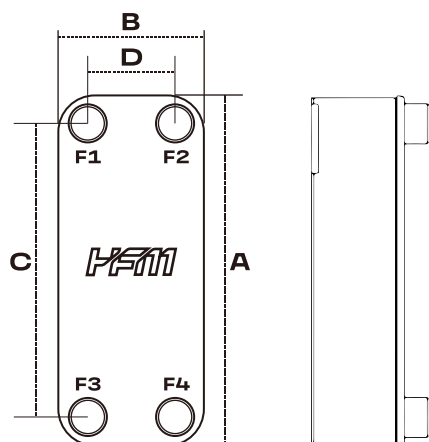
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB11A



A	208mm
B	77mm
C	172mm
D	42mm
Brazing thickness	9+2.2N (mm)
Unit Weight	0.69+0.05N (kg)
Max flow	7.14m³/h
Channel volume	0.0265(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.0265*N/2 (L)

Internal Volume per Side 2: F3/F4 0.0265*(N-2)/2 (L)

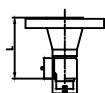
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

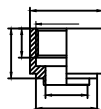
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

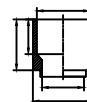
Available Connection Types for Selection Reference



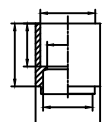
Welded flange



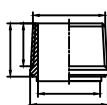
Female Threaded Connection



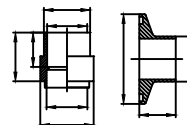
Welded pipe



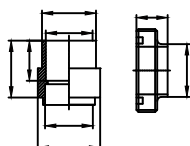
Soldering



Male Threaded Connection



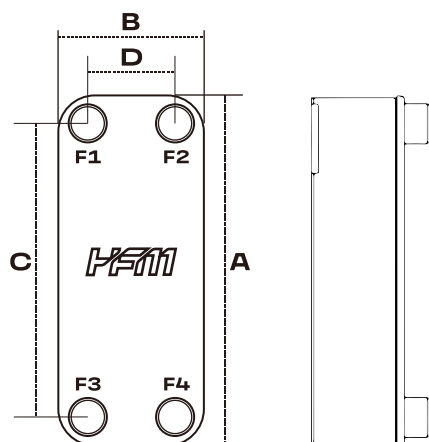
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB11B



A	322mm
B	92mm
C	270mm
D	46mm
Brazing thickness	9+1.51N (mm)
Unit Weight	1.2+0.07N (kg)
Max flow	2.4m ³ /h
Channel volume	0.028(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.028*N/2 (L)

Internal Volume per Side 2: F3/F4 0.028*(N-2)/2 (L)

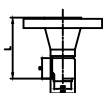
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

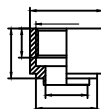
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

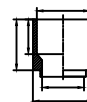
Available Connection Types for Selection Reference



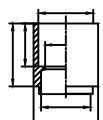
Welded flange



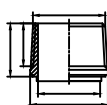
Female Threaded Connection



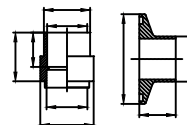
Welded pipe



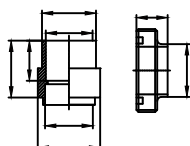
Soldering



Male Threaded Connection



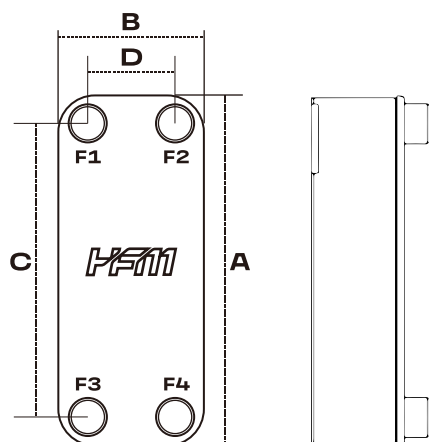
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB11C



A	318mm
B	78mm
C	282mm
D	42mm
Brazing thickness	9.5+2.2N (mm)
Unit Weight	0.99+0.07N (kg)
Max flow	7.91m³/h
Channel volume	0.04(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.04*N/2 (L)

Internal Volume per Side 2: F3/F4 0.04*(N-2)/2 (L)

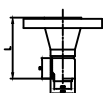
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

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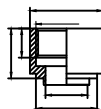
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

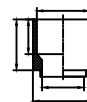
Available Connection Types for Selection Reference



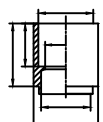
Welded flange



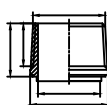
Female Threaded Connection



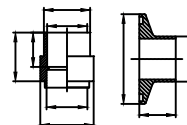
Welded pipe



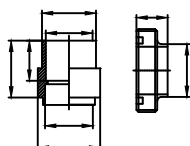
Soldering



Male Threaded Connection



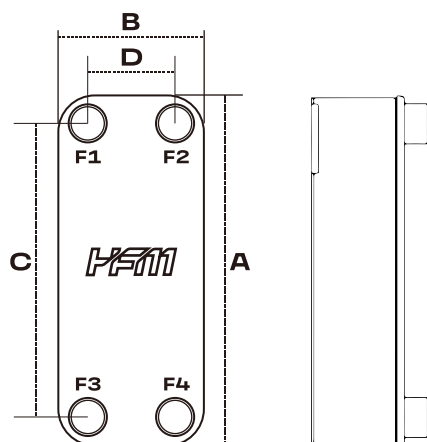
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB11D



A	231mm
B	90mm
C	182mm
D	43mm
Brazing thickness	10+2.25N (mm)
Unit Weight	0.83+0.06N (kg)
Max flow	7.91m ³ /h
Channel volume	0.03(N-1) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 80

Internal Volume per Side 1: F1/F2 0.03*N/2 (L)

Internal Volume per Side 2: F3/F4 0.03*(N-2)/2 (L)

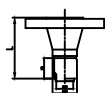
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

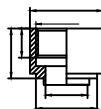
Available Welded Connection Sizes: 19.2mm

Available Threaded Connection Sizes: 1/2"

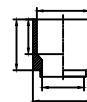
Available Connection Types for Selection Reference



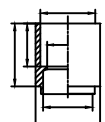
Welded flange



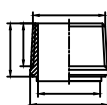
Female Threaded Connection



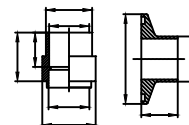
Welded pipe



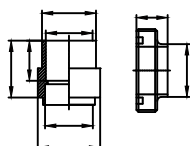
Soldering



Male Threaded Connection



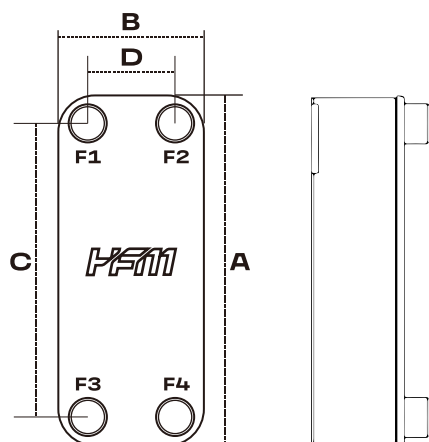
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB12A



A	312mm
B	112mm
C	250mm
D	50mm
Brazing thickness	10+2.35N (mm)
Unit Weight	1.69+0.11N (kg)
Max flow	18.40m³/h
Channel volume	0.060(N-1) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 120

Internal Volume per Side 1: F1/F2 0.06*N/2 (L)

Internal Volume per Side 2: F3/F4 0.06*(N-2)/2 (L)

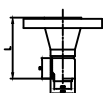
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

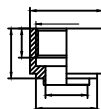
Available Welded Connection Sizes: 42mm

Available Threaded Connection Sizes: 1", 1/2"

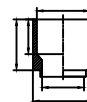
Available Connection Types for Selection Reference



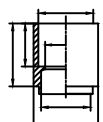
Welded flange



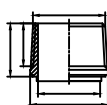
Female Threaded Connection



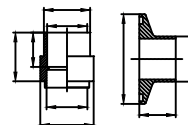
Welded pipe



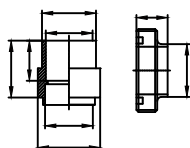
Soldering



Male Threaded Connection



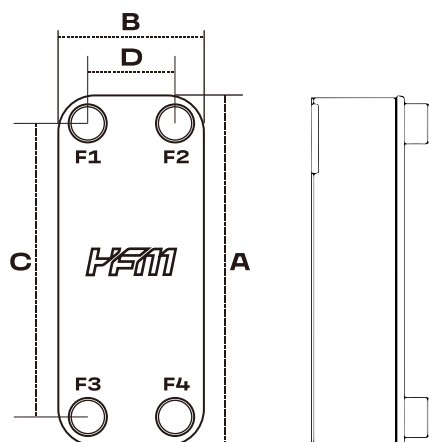
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB12B



A	528mm
B	112mm
C	466mm
D	50mm
Brazing thickness	10+2.35N (mm)
Unit Weight	2.5+0.2N (kg)
Max flow	24.23m³/h
Channel volume	0.095(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 160

Internal Volume per Side 1: F1/F2 0.095*N/2 (L)

Internal Volume per Side 2: F3/F4 0.095*(N-2)/2 (L)

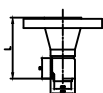
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

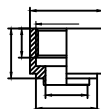
Available Welded Connection Sizes: 42mm

Available Threaded Connection Sizes: 1", 1/2"

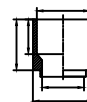
Available Connection Types for Selection Reference



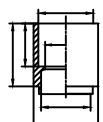
Welded flange



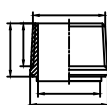
Female Threaded Connection



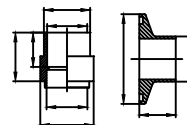
Welded pipe



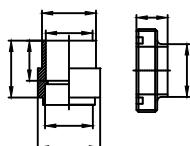
Soldering



Male Threaded Connection



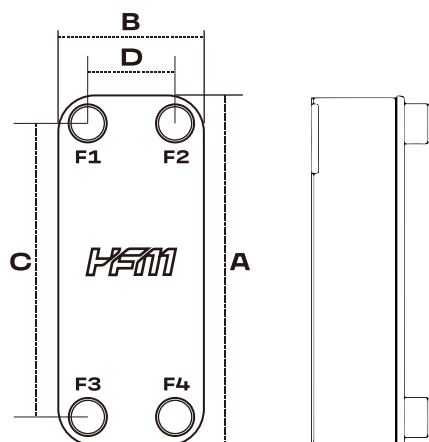
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB12C



A	319mm
B	90mm
C	269mm
D	40mm
Brazing thickness	10+1.65N (mm)
Unit Weight	1.32+0.09N (kg)
Max flow	10m³/h
Channel volume	0.024(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 120

Internal Volume per Side 1: F1/F2 $0.024 \cdot N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.024 \cdot (N-2)/2$ (L)

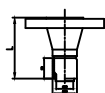
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

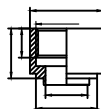
Available Welded Connection Sizes: 32mm

Available Threaded Connection Sizes: 1"

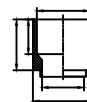
Available Connection Types for Selection Reference



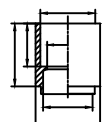
Welded flange



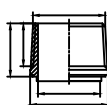
Female Threaded Connection



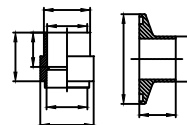
Welded pipe



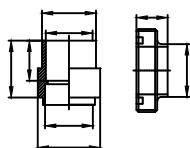
Soldering



Male Threaded Connection



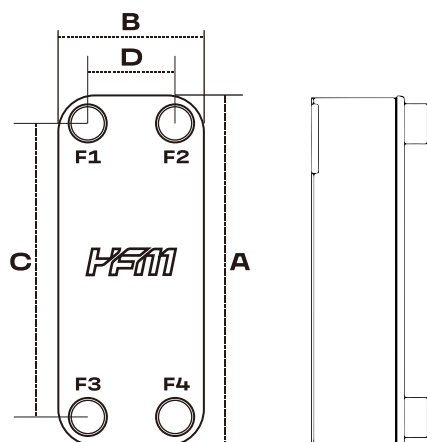
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB12D



A	296mm
B	119mm
C	242mm
D	65mm
Brazing thickness	9+2.35N (mm)
Unit Weight	1.67+0.11N (kg)
Max flow	18.4m ³ /h
Channel volume	0.062(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 120

Internal Volume per Side 1: F1/F2 0.062*N/2 (L)

Internal Volume per Side 2: F3/F4 0.062*(N-2)/2 (L)

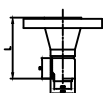
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

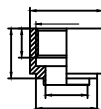
Available Welded Connection Sizes: 42mm

Available Threaded Connection Sizes: 1", 1/2"

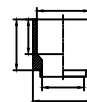
Available Connection Types for Selection Reference



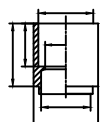
Welded flange



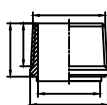
Female Threaded Connection



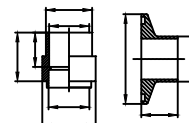
Welded pipe



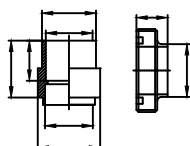
Soldering



Male Threaded Connection



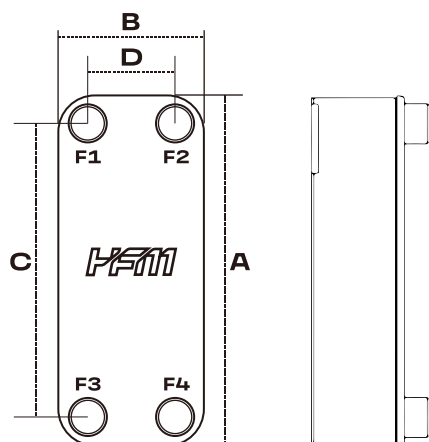
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB13A



A	307mm
B	126mm
C	250mm
D	70mm
Brazing thickness	12+2.3N (mm)
Unit Weight	2.2+0.16N (kg)
Max flow	20m³/h
Channel volume	0.062(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 120

Internal Volume per Side 1: F1/F2 $0.062 \cdot N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.062 \cdot (N-2)/2$ (L)

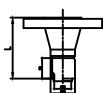
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

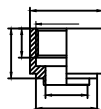
Available Welded Connection Sizes: 38.5mm

Available Threaded Connection Sizes: 1", 1/4"

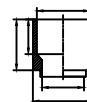
Available Connection Types for Selection Reference



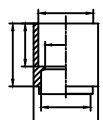
Welded flange



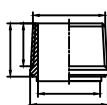
Female Threaded Connection



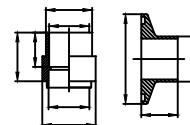
Welded pipe



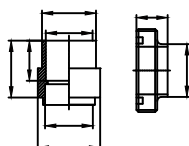
Soldering



Male Threaded Connection



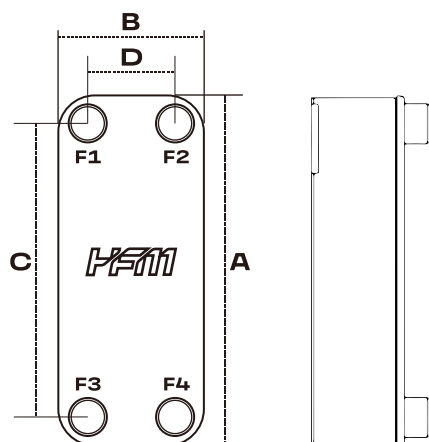
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB13B



A	525mm
B	119mm
C	470mm
D	63mm
Brazing thickness	9+2.3N (mm)
Unit Weight	2.55+0.2N (kg)
Max flow	/
Channel volume	0.096(N-1) L

Design Temperature: -196~+225 °C

Available Welded Connection Sizes: /

Maximum Number of Plates: /

Available Threaded Connection Sizes: /

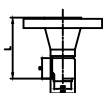
Internal Volume per Side 1: F1/F2 0.096*N/2 (L)

Internal Volume per Side 2: F3/F4 0.096*(N-2)/2 (L)

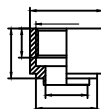
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

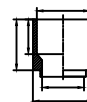
Available Connection Types for Selection Reference



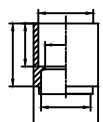
Welded flange



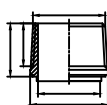
Female Threaded Connection



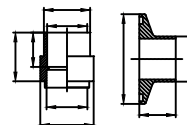
Welded pipe



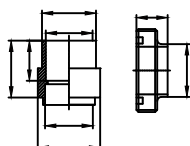
Soldering



Male Threaded Connection



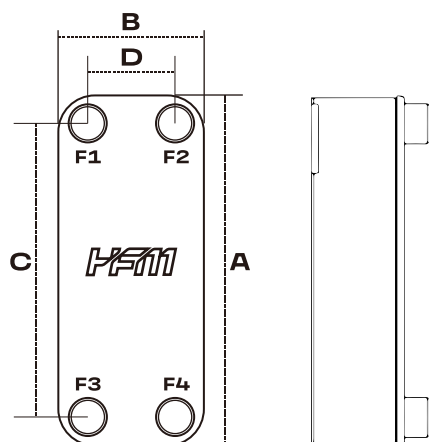
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB15A



A	612mm
B	188mm
C	519mm
D	92mm
Brazing thickness	11+2.8N (mm)
Unit Weight	4.42+0.4N (kg)
Max flow	66.55m³/h
Channel volume	0.25(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.25*N/2 (L)

Internal Volume per Side 2: F3/F4 0.25*(N-2)/2 (L)

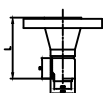
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

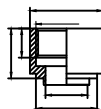
Available Welded Connection Sizes: 66.85mm

Available Threaded Connection Sizes: 2"

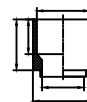
Available Connection Types for Selection Reference



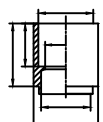
Welded flange



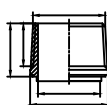
Female Threaded Connection



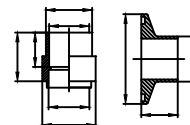
Welded pipe



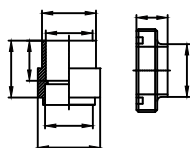
Soldering



Male Threaded Connection



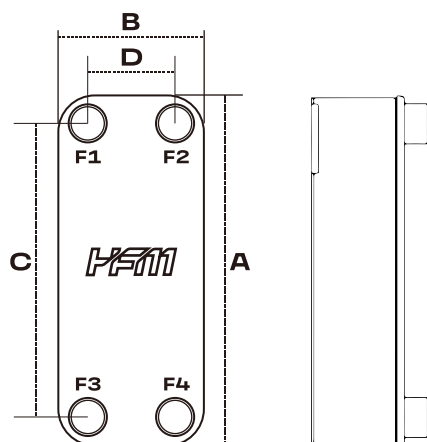
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB15A1



A	612mm
B	188mm
C	519mm
D	92mm
Brazing thickness	11+2.52N (mm)
Unit Weight	4.96+0.36N (kg)
Max flow	71.22m³/h
Channel volume	0.21(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 $0.21 \times N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.21 \times (N-2)/2$ (L)

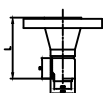
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

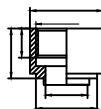
Available Welded Connection Sizes: 66.85mm

Available Threaded Connection Sizes: 2"

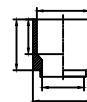
Available Connection Types for Selection Reference



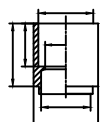
Welded flange



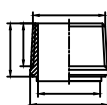
Female Threaded Connection



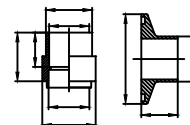
Welded pipe



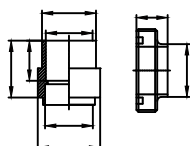
Soldering



Male Threaded Connection



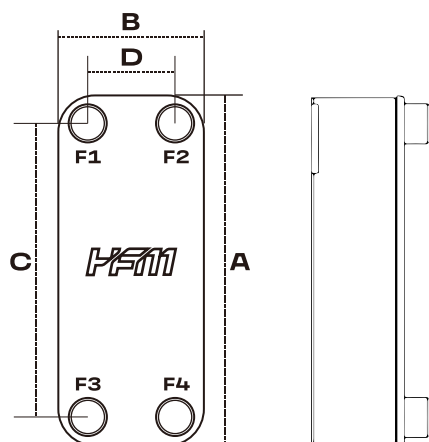
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB15A2



A	612mm
B	188mm
C	519mm
D	92mm
Brazing thickness	11+2N (mm)
Unit Weight	4.85+0.39N (kg)
Max flow	71.22m³/h
Channel volume	Please consult our technical team.

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 $0.18 \times N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.16 \times (N-2)/2$ (L)

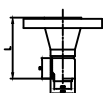
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

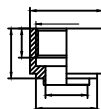
Available Welded Connection Sizes: 66.85mm

Available Threaded Connection Sizes: 2"

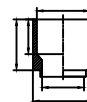
Available Connection Types for Selection Reference



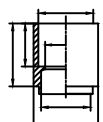
Welded flange



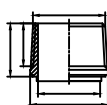
Female Threaded Connection



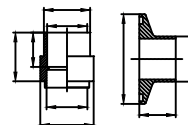
Welded pipe



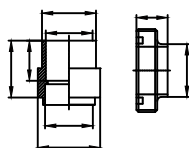
Soldering



Male Threaded Connection



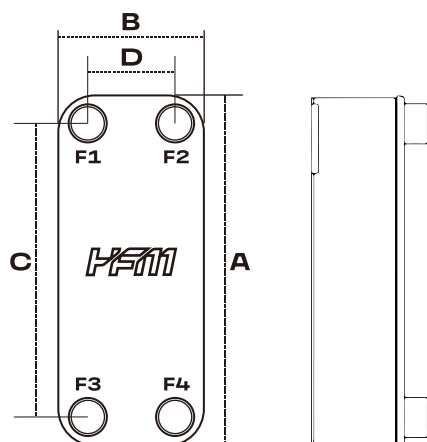
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB15B



A	529mm
B	247mm
C	456mm
D	174mm
Brazing thickness	10+2.3N (mm)
Unit Weight	13+0.4N (kg)
Max flow	57.68m³/h
Channel volume	0.22(N-1) L

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.22*N/2 (L)

Internal Volume per Side 2: F3/F4 0.22*(N-2)/2 (L)

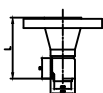
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

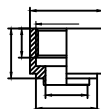
Available Welded Connection Sizes: 66.85mm

Available Threaded Connection Sizes: 2"

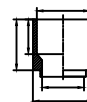
Available Connection Types for Selection Reference



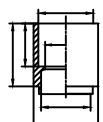
Welded flange



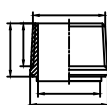
Female Threaded Connection



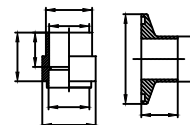
Welded pipe



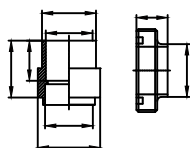
Soldering



Male Threaded Connection



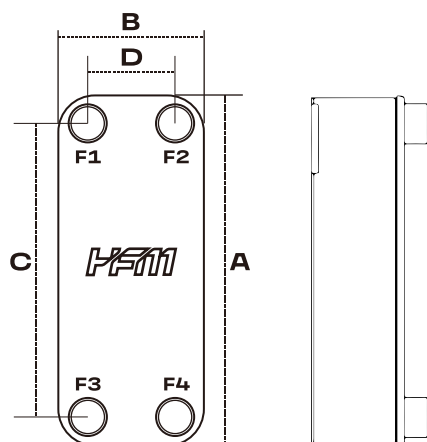
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB18A



A	742mm
B	320mm
C	624mm
D	207mm
Brazing thickness	14+2.6N (mm)
Unit Weight	13+0.67N (kg)
Max flow	186.13m³/h
Channel volume	0.51(N-1)) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 $0.51 \times N/2$ (L)

Internal Volume per Side 2: F3/F4 $0.51 \times (N-2)/2$ (L)

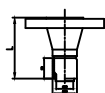
Copper Brazed Design Pressure (Standard Range) : 30-45 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

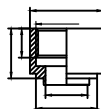
Available Welded Connection Sizes: 88.9mm

Available Threaded Connection Sizes: 3"

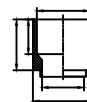
Available Connection Types for Selection Reference



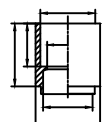
Welded flange



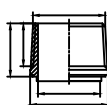
Female Threaded Connection



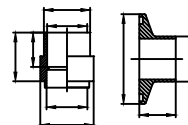
Welded pipe



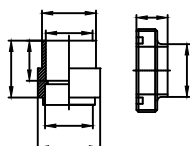
Soldering



Male Threaded Connection



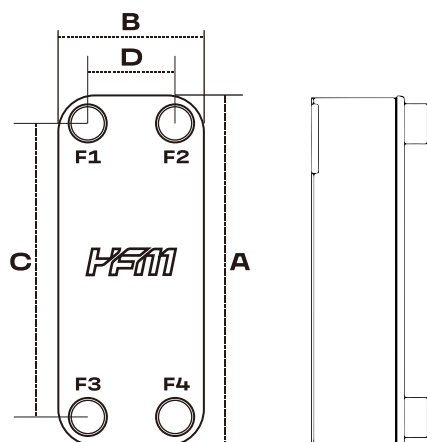
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB22A



A	742mm
B	320mm
C	603mm
D	188mm
Brazing thickness	12+2.7N (mm)
Unit Weight	13+0.67N (kg)
Max flow	150m³/h
Channel volume	0.35(N-1) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.35*N/2 (L)

Internal Volume per Side 2: F3/F4 0.35*(N-2)/2 (L)

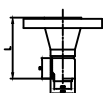
Copper Brazed Design Pressure (Standard Range) : 30 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

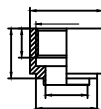
Available Welded Connection Sizes: 105mm

Available Threaded Connection Sizes: 4"

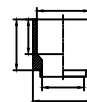
Available Connection Types for Selection Reference



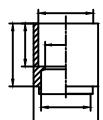
Welded flange



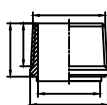
Female Threaded Connection



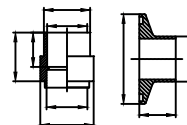
Welded pipe



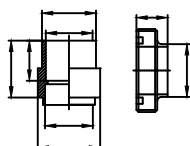
Soldering



Male Threaded Connection



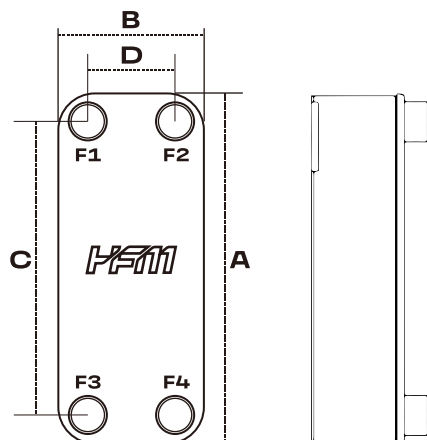
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB22B



A	995mm
B	370mm
C	861mm
D	213.5mm
Brazing thickness	11+2.62N (mm)
Unit Weight	21+1.26N (kg)
Max flow	95m ³ /h
Channel volume	0.64(N-1) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.64*N/2 (L)

Internal Volume per Side 2: F3/F4 0.64*(N-2)/2 (L)

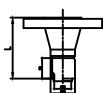
Copper Brazed Design Pressure (Standard Range) : 30 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

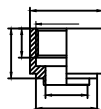
Available Welded Connection Sizes: 105mm

Available Threaded Connection Sizes: 1/2", 4"

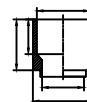
Available Connection Types for Selection Reference



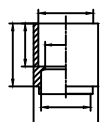
Welded flange



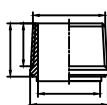
Female Threaded Connection



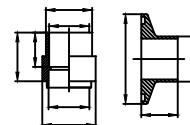
Welded pipe



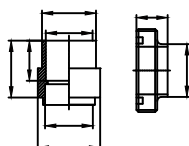
Soldering



Male Threaded Connection



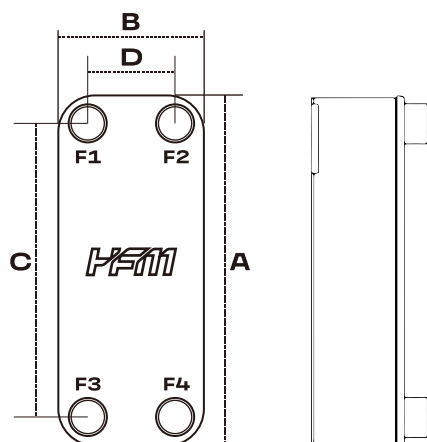
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB22C



A	696mm
B	307mm
C	567mm
D	179mm
Brazing thickness	11+2.65N (mm)
Unit Weight	8.43+0.72N (kg)
Max flow	186.13m ³ /h
Channel volume	0.44(N-1) L

Design Temperature: -196~+225℃

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.44*N/2 (L)

Internal Volume per Side 2: F3/F4 0.44*(N-2)/2 (L)

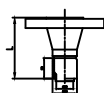
Copper Brazed Design Pressure (Standard Range) : 30 bar

Available Welded Connection Sizes: 105mm

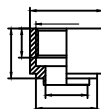
Available Threaded Connection Sizes: 4"

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

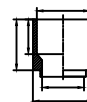
Available Connection Types for Selection Reference



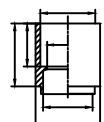
Welded flange



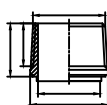
Female Threaded Connection



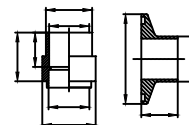
Welded pipe



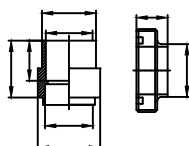
Soldering



Male Threaded Connection



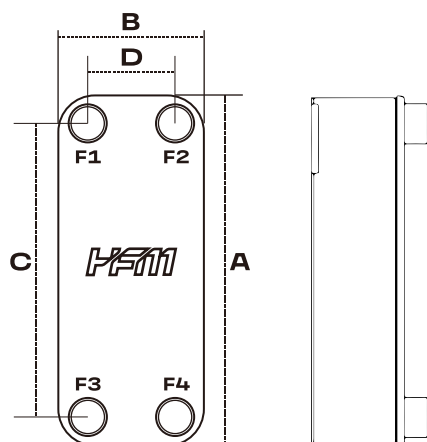
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB22C2



A	742mm
B	320mm
C	597mm
D	179mm
Brazing thickness	17+2.2N (mm)
Unit Weight	13+0.67N (kg)
Max flow	/
Channel volume	0.52(N-1) L

Design Temperature: -196~+225℃

Available Welded Connection Sizes: /

Maximum Number of Plates: /

Available Threaded Connection Sizes: /

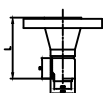
Internal Volume per Side 1: F1/F2 0.52*N/2 (L)

Internal Volume per Side 2: F3/F4 0.52*(N-2)/2 (L)

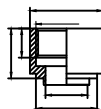
Copper Brazed Design Pressure (Standard Range) : 30 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

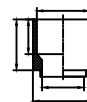
Available Connection Types for Selection Reference



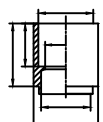
Welded flange



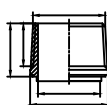
Female Threaded Connection



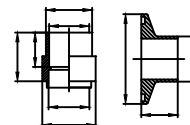
Welded pipe



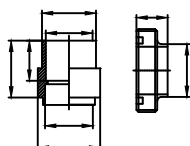
Soldering



Male Threaded Connection



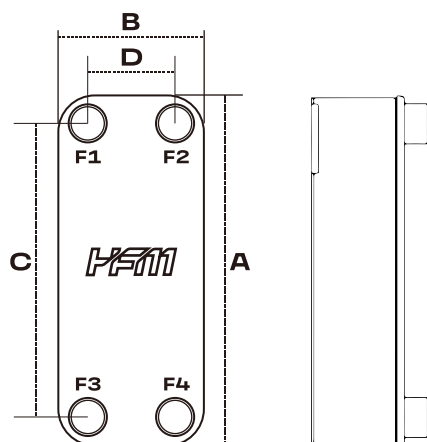
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB23A



A	1398mm
B	429mm
C	1190mm
D	220mm
Brazing thickness	22+2.78N (mm)
Unit Weight	31.8+1.73N (kg)
Max flow	/
Channel volume	1.422(N-1) L

Design Temperature: -196~+225℃

Available Welded Connection Sizes: /

Maximum Number of Plates: /

Available Threaded Connection Sizes: /

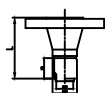
Internal Volume per Side 1: F1/F2 1.422*N/2 (L)

Internal Volume per Side 2: F3/F4 1.422*(N-2)/2 (L)

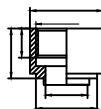
Copper Brazed Design Pressure (Standard Range) : 20 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

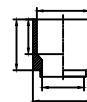
Available Connection Types for Selection Reference



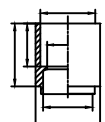
Welded flange



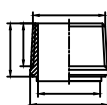
Female Threaded Connection



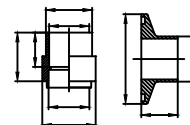
Welded pipe



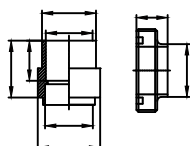
Soldering



Male Threaded Connection



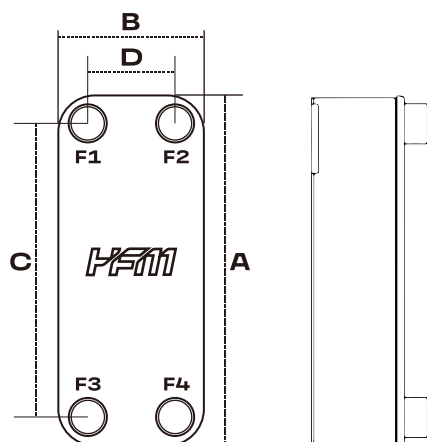
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HB23C



A	1200mm
B	488mm
C	1000mm
D	288mm
Brazing thickness	28+2.4N (mm)
Unit Weight	47.6+2.1N (kg)
Max flow	/
Channel volume	1.44(N-1) L

Design Temperature: -196~+225℃

Available Welded Connection Sizes: /

Maximum Number of Plates: /

Available Threaded Connection Sizes: /

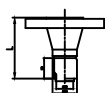
Internal Volume per Side 1: F1/F2 $1.44 \times N/2$ (L)

Internal Volume per Side 2: F3/F4 $1.44 \times (N-2)/2$ (L)

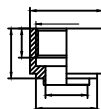
Copper Brazed Design Pressure (Standard Range) : 20 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

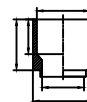
Available Connection Types for Selection Reference



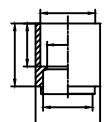
Welded flange



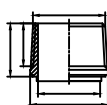
Female Threaded Connection



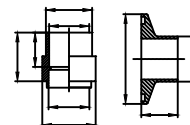
Welded pipe



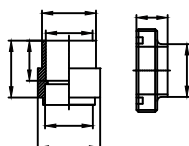
Soldering



Male Threaded Connection



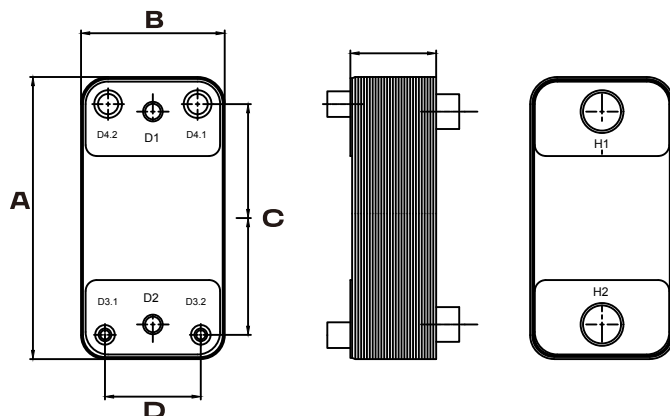
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HBD61



A	489mm
B	249mm
C	400mm
D	155mm
Brazing thickness	10+2.23N (mm)
Unit Weight	6.21+0.33N (kg)
Max flow	57.68m³/h
Channel volume	Please consult our technical team.

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.21*N/2 (L)

Internal Volume per Side 2: F3/F4 0.17*(N-2)/2 (L)

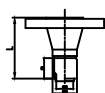
Copper Brazed Design Pressure (Standard Range) : 30 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

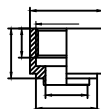
Available Welded Connection Sizes: /

Available Threaded Connection Sizes: /

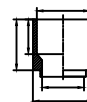
Available Connection Types for Selection Reference



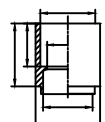
Welded flange



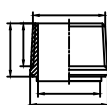
Female Threaded Connection



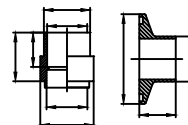
Welded pipe



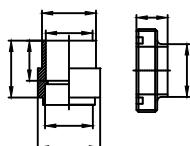
Soldering



Male Threaded Connection



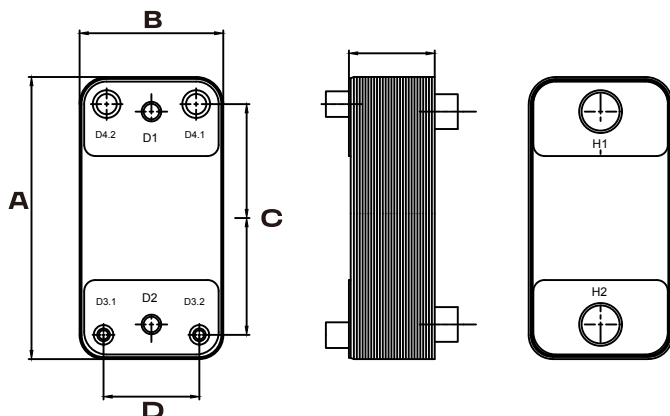
Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.

HBD62



A	736mm
B	319mm
C	631.7mm
D	205.2mm
Brazing thickness	15+2.6N (mm)
Unit Weight	13+0.82N (kg)
Max flow	186.13m ³ /h
Channel volume	Please consult our technical team.

Design Temperature: -196~+225 °C

Maximum Number of Plates: 280

Internal Volume per Side 1: F1/F2 0.5*N/2 (L)

Internal Volume per Side 2: F3/F4 0.47*(N-2)/2 (L)

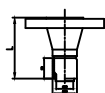
Copper Brazed Design Pressure (Standard Range) : 30 bar

**For other materials, such as stainless steel, please contact us for more detailed information on the applicable operating pressure.*

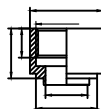
Available Welded Connection Sizes: /

Available Threaded Connection Sizes: /

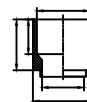
Available Connection Types for Selection Reference



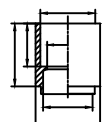
Welded flange



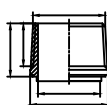
Female Threaded Connection



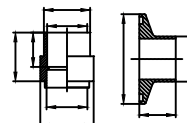
Welded pipe



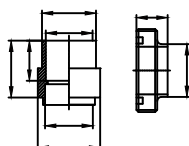
Soldering



Male Threaded Connection



Tri-clamp



SMS

Note: The connection types shown above are for reference only. Please consult our technical team for detailed specifications and manufacturing availability.



Hofmann (Beijing) Engineering Technology Co., Ltd.

🌐 www.hofmann-heatexchanger.com

☎ +86(10)84478229

✉ service@hfm-phe.com

📍 3F/6F Zhengdong International Mansion,
100027, Dongcheng District, Beijing, China