

Capella

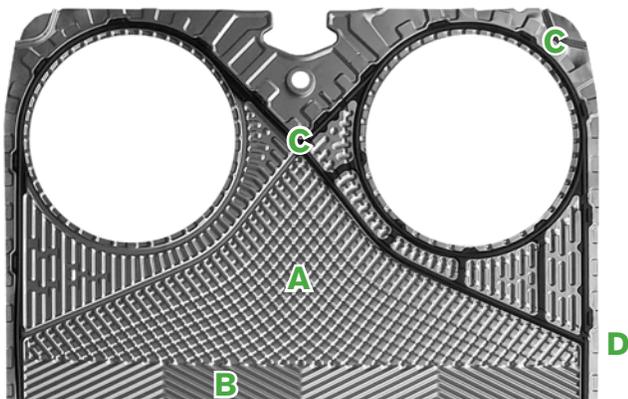
NEW 12" PORTED PLATE HEAT EXCHANGER

The New 12" ported APV Capella plate from SPX FLOW is designed to cover a wide range of applications and secure even better solutions for our customers within a variety of segments.

By Implementing our features developed over the past 10 years, we can now deliver an even more cost effective heat exchanger, with a super ratio of plate thickness to pressure rating.

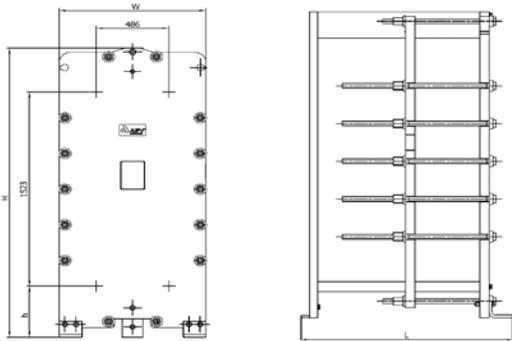
PLATE AVAILABILITY:	The Capella platform consists of 5 plate lengths (C063, C110, C134, C158 and C205), with a standard Energysaver plate pattern.
MAXIMUM HEAT SURFACE:	16,250 ft ²
TYPICAL CAPACITIES:	Liquid flow rate up to 6,500 GPM, depending on media, pressure drop and temperature requirements.

	FEATURE	ADVANTAGES	WHAT'S IN IT FOR YOU!
A	DISTRIBUTION AREA	<ul style="list-style-type: none"> ▪ Efficient Flow Distribution 	<ul style="list-style-type: none"> ▪ Prevents Mal-Distribution
B	CORRUGATED PLATE PATTERN – HEAT TRANSFER AREA	<ul style="list-style-type: none"> ▪ Promotes Turbulence, Minimize Fouling 	<ul style="list-style-type: none"> ▪ Excellent Heat Recovery Effect ▪ Maximize Run Time
C	APV PLATE LOCKING SYSTEMS	<ul style="list-style-type: none"> ▪ APV “corner lock” and “bubble lock” concepts ensure a stable and well aligned plate pack when the unit is closed 	<ul style="list-style-type: none"> ▪ Safe & Economic Operation ▪ High Serviceability ▪ Minimum Service Downtime
D	APV EASYCLIP GASKET SYSTEM	<ul style="list-style-type: none"> ▪ Bevelled gasket edges easily clip into place using your fingers ▪ Stays securely in place and provides high sealing integrity 	<ul style="list-style-type: none"> ▪ Reliable Operation ▪ Easy & Quick to Replace ▪ No Special Tools Needed



Frame Dimensions:

FRAME	WIDTH	HEIGHT	h	NOMINAL CONNECTION SIZE	DESIGN PRESSURE
	in	in	in	in	psi
B063 M-12 SER 2	38 15/16"	80 13/16"	18 1/2"	12"	157
B063 M-20 SER 2	40 5/16"	80 7/8"	18 1/2"	12"	300
B110 M-12 SER 2	38 15/16"	99 11/16"	18 1/2"	12"	160
B110 M-20 SER 2	40 5/16"	99 3/4"	18 1/2"	12"	300
B134 M-12 SER 2	38 15/16"	109 3/16"	18 1/2"	12"	160
B134 M-20 SER 2	40 5/16"	109 3/16"	18 1/2"	12"	300
B158 M-12 SER 2	38 15/16"	118 5/8"	18 1/2"	12"	155
B158 M-20 SER 2	40 5/16"	118 5/8"	18 1/2"	12"	300
B205 M-12 SER 2	38 15/16"	137 1/2"	18 1/2"	12"	160
B205 M-20 SER 2	40 5/16"	137 1/2"	18 1/2"	12"	300



Connections:

FRAME	SIZE	DIN 2501	ANSI B16.5
M-12 SER 2	300 MM / 12"	ND16, ND25	CL.150, CL.300
M-20 SER 2	300 MM / 12"	ND16, ND25	CL.150, CL.300

GENERAL SPECIFICATIONS

Design:

Industrial frame mild steel, painted to RAL5010 Blue

	ASME
DESIGN CODE	ASME VIII DIV 1. & API 622
DESIGN PRESSURE	UP TO 350 PSI
TEMPERATURE	UP TO 392°F

Materials:

Plates: SS304, SS316L, Titanium, SMO254, Alloy C276 & C2000

Gaskets: NBR, EPDM, HNBR, EPDM HT, FKM (Viton)

Connections: Rubberlined (NBR & EPDM), Metal lining (SS316, Titanium, SMO254, C276 and C2000)

TYPICAL APPLICATIONS

HVAC:

- District Heating / Cooling
- Thermal Storage Systems

Energy:

- Geothermal
- Heat Recovery

Marine:

- Central Cooling
- Jacket Fresh Water Cooling

Industrial:

- Product Heating/ Cooling
- Waste Water

Chemical:

- Product Heating/ Cooling
- Interchanging

Oil & Gas:

- Sea Water Coolers
- Crude Oil Heat Treatment

SPXFLOW

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SPX FLOW, Inc. reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit www.spxflow.com.

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