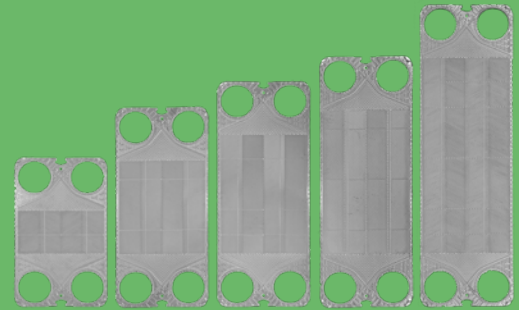


CAPELLA

12" PORTED PLATE HEAT EXCHANGER

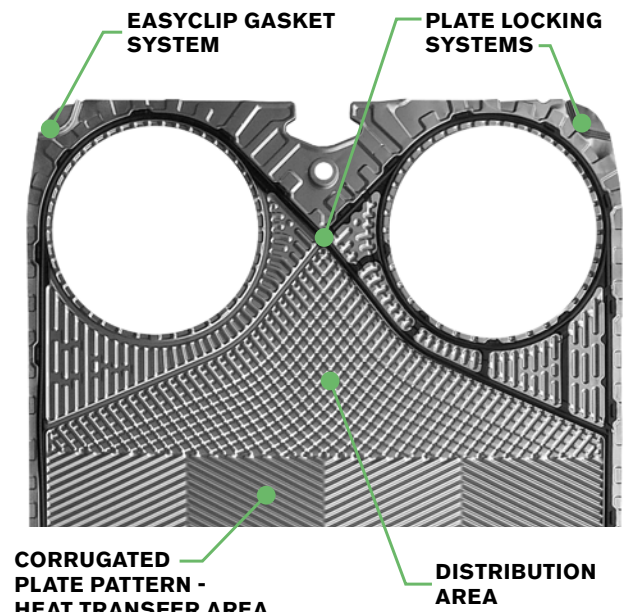


The 12" ported APV® Capella plate from SPX FLOW is designed to cover a wide range of applications and secure even better solutions for our customers within a variety of segments.

With Capella, we deliver cost effective heat exchangers, with a super ratio of plate thickness to pressure rating.

PLATE AVAILABILITY:	5 plate lengths (C063, C110, C134, C158 and C205), with a standard Energysaver plate pattern. 5 plate lengths (C063H, C110H, C134H, C158H and C205H), with a high intensity plate pattern. High intensity plate pattern available in stainless steel.
TYPICAL CAPACITIES:	Liquid flow rate up to 6,500 GPM/24,605 l/min, depending on media, pressure drop and temperature requirements.

	ADVANTAGES	WHAT'S IN IT FOR YOU
DISTRIBUTION AREA	<ul style="list-style-type: none"> Efficient Flow Distribution 	<ul style="list-style-type: none"> Prevents Mal-Distribution
CORRUGATED PLATE PATTERN – HEAT TRANSFER AREA	Standard <ul style="list-style-type: none"> Promotes Turbulence, Minimize Fouling 	Standard <ul style="list-style-type: none"> Excellent Heat Recovery Effect Maximize Run Time
	High Intensity <ul style="list-style-type: none"> Redesigned, Higher Efficiency Center Section 	High Intensity <ul style="list-style-type: none"> More Heat Transfer Area per Plates Improved Thermal Efficiency
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
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	FRAME SIZE	WIDTH		HEIGHT		h		NOMINAL CONNECTION SIZE		DESIGN PRESSURE	
		in	mm	in	mm	in	mm	in	mm	psi	bar
C063 M-10X	ALL	38.8	986	74.2	1885	18.5	470	12	305	145	10
C063 M-16X	ALL	40.3	1024	74.2	1885	18.5	470	12	305	232	16
C063 M-25X	ALL	40.3	1024	74.2	1885	18.5	470	12	305	363	25
C110 M-10X	1~3	38.8	986	93.1	2365	18.5	470	12	305	145	10
C110 M-10X	4~7	38.8	986	99.9	2537	18.5	470	12	305	145	10
C110 M-16X	1~3	38.8	986	93.1	2365	18.5	470	12	305	232	16
C110 M-16X	4~7	38.8	986	99.9	2537	18.5	470	12	305	232	16
C110 M-25X	ALL	40.3	1024	99.9	2537	18.5	470	12	305	363	25
C134 M-10X	1~3	38.8	986	102.6	2606	18.5	470	12	305	145	10
C134 M-10X	4~7	38.8	986	109.3	2776	18.5	470	12	305	145	10
C134 M-16X	1~3	38.8	986	102.6	2606	18.5	470	12	305	232	16
C134 M-16X	4~7	38.8	986	109.3	2776	18.5	470	12	305	232	16
C134 M-25X	ALL	40.3	1024	109.3	2776	18.5	470	12	305	363	25
C158 M-10X	ALL	38.8	986	118.8	3018	18.5	470	12	305	145	10
C158 M-16X	ALL	39.8	1011	118.8	3018	18.5	470	12	305	232	16
C158 M-25X	ALL	40.3	1024	118.8	3018	18.5	470	12	305	363	25
C205 M-10X	1~7	38.8	986	137.7	3498	18.5	470	12	305	145	10
C205 M-10X	8~9	38.8	986	147.6	3749	18.5	470	12	305	145	10
C205 M-16X	1~7	39.8	1011	137.7	3498	18.5	470	12	305	232	16
C205 M-16X	8~9	39.8	1011	147.6	3749	18.5	470	12	305	232	16
C205 M-25X	1~7	40.3	1024	137.7	3497	18.5	470	12	305	363	25
C205 M-25X	8~9	40.3	1024	147.6	3749	18.5	470	12	305	363	25

CONNECTIONS

FRAME	SIZE	DIN 2501	ANSI B16.5
M-10X	350 MM / 300 MM / 12"	ND10, ND16	CL.150
M-16X	350 MM / 300 MM / 12"	ND16	CL.150
M-25X	300 MM / 12"	ND25	CL.150

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/24 bar
Temperature	Up to 392°F/200°C

MATERIALS:

Plates (Standard): SS304, SS316L, Titanium, SMO254

Plates (High Intensity): SS304, SS316L

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

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

TYPICAL APPLICATIONS

HVAC: <ul style="list-style-type: none"> District Heating / Cooling Thermal Storage Systems 	ENERGY: <ul style="list-style-type: none"> Geothermal Heat Recovery 	MARINE: <ul style="list-style-type: none"> Central Cooling Jacket Fresh Water Cooling 	CHEMICAL: <ul style="list-style-type: none"> Product Heating/Cooling Interchanging
		INDUSTRIAL: <ul style="list-style-type: none"> Product Heating/Cooling Waste Water 	OIL & GAS: <ul style="list-style-type: none"> Sea Water Coolers Crude Oil Heat Treatment

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