

ParaBrazed

PLATE HEAT EXCHANGER



At SPX Flow Technology, we work hard to improve the performance of your process and reduce your operating costs, so we pay attention to every aspect of delivering the right plate heat exchanger for you. Whether providing comfort cooling in deep mines or chilling liquids in a dairy, we have an APV brand PHE tailored for you.

With SPX Flow Technology, you can tap into the vast technical resources and support of the acknowledged industry leader. We're here to help you with your heat transfer and energy recovery needs, just like we've done for almost 100 years. It's the value of tradition translated into a tradition of value.

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader. The company's highly-specialized, engineered products and technologies serve customers in three primary strategic growth markets: power, oil and gas, food and beverage and industrial processes. Many of SPX's innovative solutions are playing a role in helping to meet rising global demand, particularly in emerging markets, for electricity, processed foods and beverages, heat transfer and fluid flow. The company's products include thermal heat transfer equipment for power plants; power transformers for utility companies; process equipment for the food & beverage industry; and a strong portfolio of flow product brands. For more information, please visit www.spx.com.

Efficient and Reliable

APV has long been recognized as an industry leader for heat transfer equipment. Quality, performance, and value remain the hallmark of all APV products.

ParaBrazed heat exchangers continue this legacy, offering superior performance and stringent manufacturing guidelines – all at a very competitive price.

In addition to the standard heat exchangers offered here, APV has the capability to produce custom brazed plate heat exchangers in numerous configurations, offered with a wide variety of connection types and sizes. ParaBrazed heat exchangers are well suited for custom OEM applications and standard off-the-shelf applications alike.

PERFORMANCE

ParaBrazed heat exchangers deliver the performance you want. Each ParaBrazed exchanger has been designed to deliver high thermal efficiency while maintaining lower pressure drop. This translates to a heat exchanger that not only out performs traditional shell & tube and coaxial heat exchangers, but delivers this powerful heat transfer in a very compact size. Para Brazed – small size, big performance

QUALITY

ParaBrazed heat exchangers are constructed with 316 Stainless Steel plates and connections for maximum corrosion resistance and strength. From the selection and control of raw materials through final testing and shipment, ParaBrazed has been designed with quality in mind.

In addition to being ISO 9001 certified, every ParaBrazed unit is tested before leaving our factory. A reliable product built to exacting standards – consistently. With APV ParaBrazed, quality comes standard.

VALUE

When it comes to heat transfer value, it's hard to beat ParaBrazed. Compact size, high efficiency and application flexibility make ParaBrazed heat exchangers the perfect choice for many single and two phase heat transfer applications.

In many cases, using ParaBrazed can help reduce overall equipment footprint resulting in greater cost reduction, system simplicity and reduced transport costs.

When compared to a typical shell & tube heat exchanger, ParaBrazed offers a significant reduction in both weight and size. In fact, in most cases ParaBrazed heat exchangers are 1/6 the size for the same duty! Small footprint, big performance.

Features

- Compact Size
- High Performance
- Lower Installed Cost
- AISI 316 Stainless Steel
- Many Connection Types
- Delivery from stock
- Strong Commitment to Customer Service

Dimensions and Specifications

CONNECTIONS

Wide variety of threaded and solder connections available

APPROVAL

- Underwriters Laboratories (UL)
- Canadian Standard Association (CSA)
- Pressure Equipment Directive (PED)
- American Bureau Shipping (ABS)

CONSTRUCTION

Plates	AISI 316 SS
Connections	AISI 316 SS
Brazing	99.9% Copper & Nickel

SPECIFICATIONS

Max. Pressure	450 psig
Max. Temperature	437°F

A World of Applications

APV ParaBrazed Plate Heat Exchangers are used in a number of different refrigeration applications.

INDUSTRIAL

- Petrochemical
- Domestic Hot water
- Refrigeration
- Heating/Reclaim



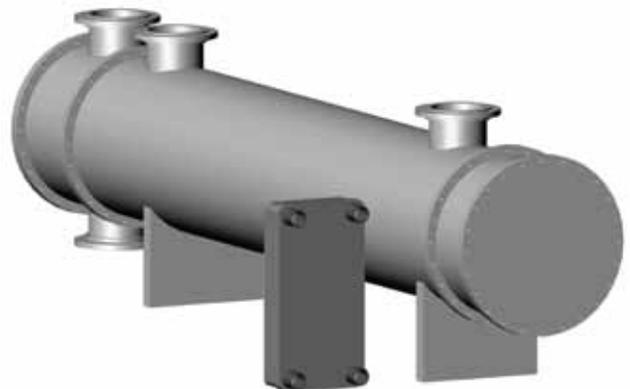
MARINE/AQUATIC

- Engine/Water/Oil
- Yacht A/C
- Chillers / Freezers



OFF-ROAD/MOBILE

- Engine Oil Heating/Cooling
- Engine Jacket Reclaim
- Fuel Temperature Control
- Hydraulic Oil Cooling





MODEL	WIDTH	LENGTH	PORT DIAMETER	MAXIMUM FLOW RATE		MAXIMUM HEAT TRANSFER AREA
	in /mm	in /mm	in /mm	m ³ /h	usg/min	ft ² /m ²
PB5	2.84 72	7.45 187	.75 16	4	18	7.5 .7
PB8	2.84 72	12.21 310	.75 16	4	18	15 1.3
PB10/PB10T	4.61/4.68 117/119	11.37/11.37 287/269	1 24	12	53	41 4.3
PB12	4.61 117	11.31 287	1.25 33	22	97	34 3.9
PB15	2.84 72	18.32 465	.75 16	4	18	24 2
PB16	4.69 119	14.8 376	1.25 33	22	97	67 5.5
PB25	4.61/4.68 117/119	20.65/20.71 524/526	1 33	12	53	67 8.7
PB28	4.69 119	20.72 526	1.25 33	22	97	97 5.5
PB35	9.57 243	15.48 393	1.5 39	35	154	250 23
PB45	9.57 243	20.65 525	1.5 39	35	154	340 33
PDB47	9.57 243	20.69 525	1.25 33/39	35	154	260 26
PB50	9.57 243	20.62 525	2.5 60	70	310	360 34
PB56	9.57 243	20.69 525	2.75 70	78	340	390 28
PB57	9.57 243	27.3 693	2.75 70	78	340	500 46
PDB58	11.98 304	27.34 694	1.5 50/70	78	340	500 60
PB60	14.34 364	14.74 374	2.75/2 70/55	78	340	370 38
PB427	11.97 304	27.32 694	4 100	160	704	592 55

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