



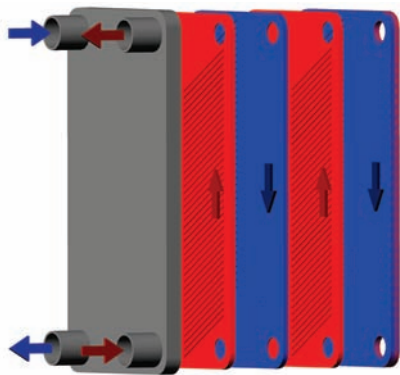
APV ParaBrazed Plate Heat Exchangers



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.

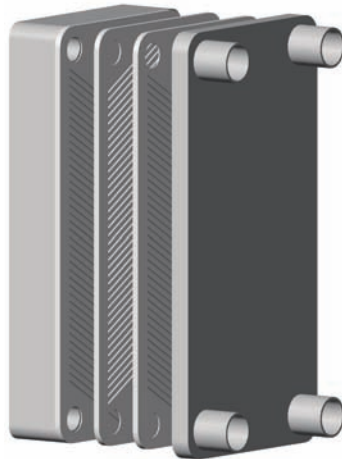
In addition to the standard heat exchangers offered here, APV has the capability to produce custom brazed plate heat exchangers in numerous configurations, offered with a wide variety of connection types and sizes. ParaBrazed heat exchangers are well suited for custom OEM applications and standard off-the-shelf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



True Counter-Flow Design

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.



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.

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.



A World of 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

Features

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



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.

Dimensions and Specifications



Connections Wide variety of threaded and solder connections available.	Construction Plates AISI 316 SS Connections AISI 316 SS Brazing 99.9% Copper & Nickel
Approvals Underwriters Laboratories (UL) Canadian Standard Association (CSA) Pressure Equipment Directive (PED) American Bureau Shipping (ABS)	Specifications Max. Pressure 450 psig Max. Temperature 437°F

APV Type	Width		Length		Port Diameter		Max Flow Rate		Max Heat Transfer Area	
	mm	in.	mm	in.	mm	in.	m ³ /h	usg/min	m ²	ft ²
PB5	72	2.84	187	7.45	16	3/4	4	18	0.7	7.5
PB8	72	2.84	310	12.21	16	3/4	4	18	1.3	15
PB10/ PB10T	117/119	4.61/4.68	287/269	11.31/11.37	24	1	12	53	4.3	41
PB12	117	4.61	287	11.31	33	1 1/4	22	97	3.9	34
PB15	72	2.84	465	18.32	16	3/4	4	18	2	24
PB16	119	4.69	376	14.8	33	1 1/4	22	97	5.5	67
PB25	117/119	4.61/4.68	524/526	20.65/20.71	33	1	12	53	8.7	67
PB28	119	4.69	526	20.72	33	1 1/4	22	97	8.4	97
PB35	243	9.57	393	15.48	39	1 1/2	35	154	23	250
PB45	243	9.5	525	20.65	39	1 1/2	35	154	33	340
PDB47	243	9.57	525	20.69	33/39	1 1/4	35	154	26	260
PB50	243	9.57	525	20.62	60	2 1/2	70	310	34	360
PB56	243	9.57	525	20.69	70	2 3/4	78	340	28	290
PB57	243	9.57	693	27.3	70	2 3/4	78	340	46	500
PDB58	304	11.98	694	27.34	50/70	1 1/2	78	340	60	500
PB60	364	14.34	374	14.74	70/55	2 3/4 / 2	78	340	38	370
PB427	304	11.97	694	27.32	100	4	160	704	55	592



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