

APV Paraflow Super Sanitary

VEGA V028 R-10 SERIES PLATE HEAT EXCHANGER

SPECIFICATIONS

Ideally suited for a broad range of food processing duties where there is a tendency for the product to foul the heated surface or where large temperature induced viscosity changes are likely to occur. Four frame sizes holding up to a maximum of 500 plates (0.02" (0.6 mm) thick) are available with a port diameter of 2.5" (64 mm) making the Vega frames capable of processing up to 250 gal/min or 57 m³/h of product. Plates are available in a wide thickness range of .02" to .03" (0.5 to 0.8 mm) making them adaptable to a large range of process design pressures.



FRAME DESIGN FEATURES

- **Frame size:** 4 length variants in 125 plate increments up to maximum of 500 plates
- **Frame construction:** All solid stainless steel ANSI SS304
- **Tie bars:** Stainless steel with aluminum bronze nuts
- **Operating pressures:** 120 psi (8 bar) ASME
- **Connections:** 2.5" (64 mm)
- **Types:** Most sanitary types including Tri-clamp®, ACME (bevel seat), CB I-Line and plain stub end for welding. Industrial 2.5" (64 mm) L/T lap joint and weld neck flanges
- **Finish:** Frame - glass blast. Product contact surfaces, to 150 grit finishing, meeting 3-A
- **Operating temperatures:** Up to 350°F (177°C) depending on gasket material
- **Maximum flow rate:** 250 gal/min or 57 m³/h

PLATE DESIGN FEATURES

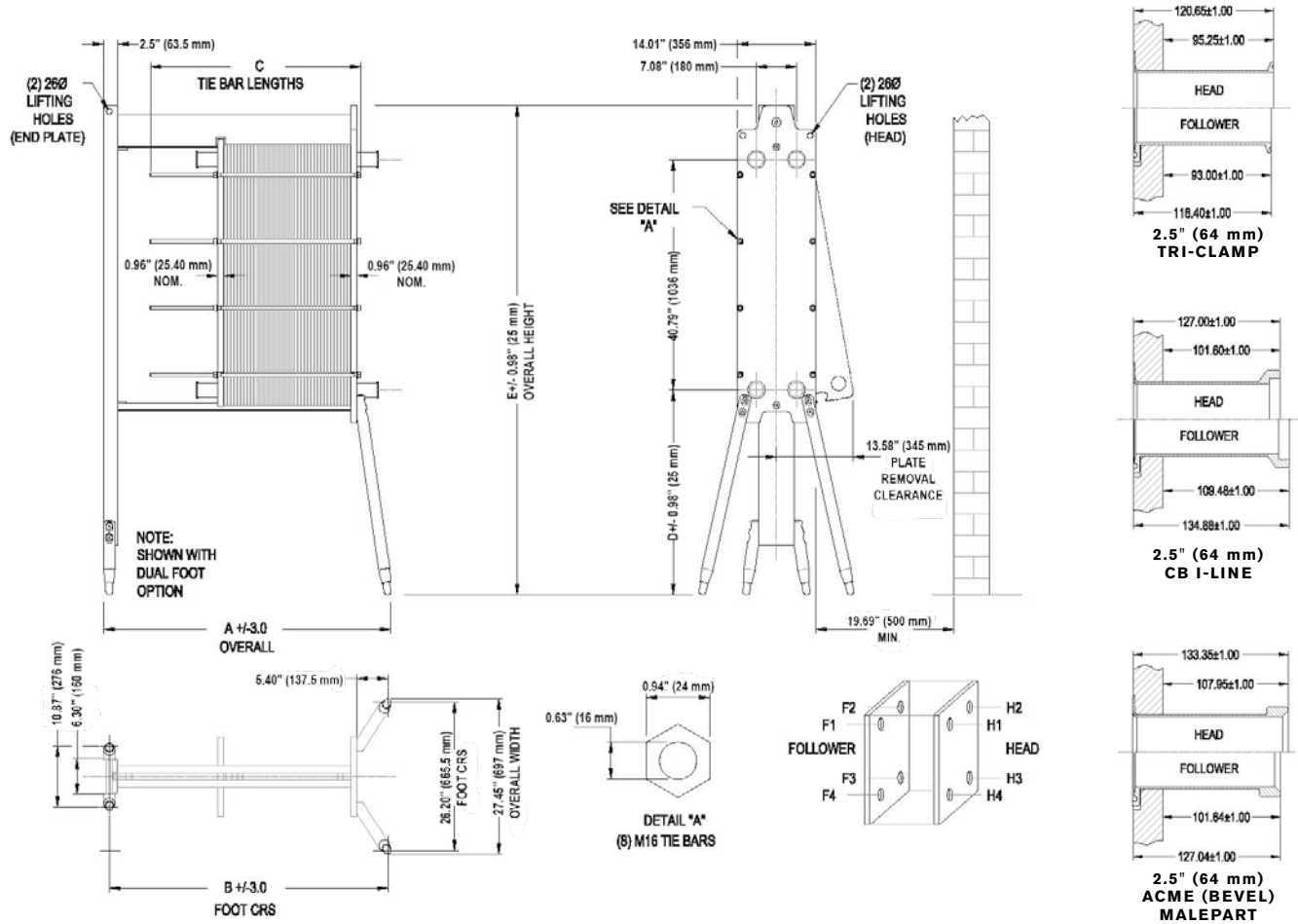
- **Length variant:** Vega 028 maximizes process efficiency for multi-pass operation within a small, compact frame
- **Heat transfer area/plate:** 2.96 ft² (0.27 m²)
- **Wide gap "R5 type" heat transfer area:** To reduce effect of pressure increase due to fouling and provide for long run times while still maintaining high thermal efficiency
- **Diagonal flow:** Ensures uniform temperature time treatment of the product and allows for processing of high viscosity products
- **Large, free flow port inlet area:** Large entry area means reduced chance of port clogging with product. Spherical food particles up to 0.1" (2.5 mm) diameter can be processed
- **Low number of contact points:** 80% fewer contact points to hang up product or create cleaning problems than conventional chevron-type plates
- **Corner interlock:** Vega plates possess a patented, effective, metal-to-metal alignment mechanism. Plate packs can be assembled rapidly without misalignment, which makes for rapid, trouble-free turnaround
- **Easy clip gaskets:** All Vega gaskets employ a patented glue-free snap-in design, which makes for rapid refit and pack turnaround
- **Plate materials:** Stainless steel, titanium and other corrosion-resistant materials
- **Gasket materials:** Nitrile, EPDM and Viton® using the patented, EasyClip, adhesive-free snap-in gasket retention system. Fully stuck gasket versions also available
- **Plate liquid capacity/fluid channel:** 0.27 gal (1.02 L)

ADDITIONAL FEATURES

- Optional stainless steel protective plate pack shroud
- Optional ASME code stamp

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DIMENSIONS



FRAME SIZE	END SUPPORT FOOT TYPE	NET WEIGHT LB (KG) (NO PLATES)	MAX FRAME CAPACITIES (0.6 MM PLATE)		MEASUREMENTS IN (MM)					
			MAX PLATE QUANTITY	MAX PLATAGE DIMENSIONS IN (MM)	A	B	C	D	E	
1	SINGLE FOOT NON ADJ	TALL	615 (279)	97	25 (625)	47 (1,203)	45 (1,138)	35 (900)	36 (924)	87 (2,205)
		SHORT	525 (238)	97	25 (625)	44 (1,115)	42 (1,055)	35 (900)	14 (353)	64 (1,634)
2	SINGLE FOOT NON ADJ	TALL	679 (308)	284	57 (1,450)	80 (2,029)	77 (1,963)	63 (1,600)	36 (924)	87 (2,205)
		SHORT	591 (268)	284	57 (1,450)	76 (1,940)	74 (1,881)	63 (1,600)	14 (353)	64 (1,634)
3	DUAL BALL FOOT ADJUSTABLE	TALL	761 (345)	351	85 (2,150)	108 (2,742)	106 (2,699)	94 (2,400)	36 (924)	87 (2,205)
		SHORT	670 (304)	351	85 (2,150)	105 (2,661)	103 (2,620)	94 (2,400)	14 (353)	64 (1,634)
4	DUAL BALL FOOT ADJUSTABLE	TALL	840 (381)	476	114 (2,900)	137 (3,492)	136 (3,449)	81 (3,050)	36 (924)	87 (2,205)
		SHORT	752 (341)	476	114 (2,900)	134 (3,411)	133 (3,370)	81 (3,050)	14 (353)	64 (1,634)

Based in Charlotte, North Carolina, SPX FLOW, Inc. (NYSE: FLOW) is a multi-industry manufacturing leader. For more information, please visit www.spxflow.com



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