



# 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 (0.6 mm thick) are available with a port diameter of 2.5" making the Vega frames capable of processing up to 250 U.S. GPM or 60 cu. m/hour of product. Plates are available in a wide thickness range (0.5 to 0.8 mm) making them adaptable to a large range of process design pressures.

## 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 ft<sup>2</sup>, (0.28 m<sup>2</sup>)
- **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 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:** 1.02 liters, 0.27 U.S. gallons

## 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 ASME
- **Connections:** 2.5 inches
- **Types:** Most sanitary types including Tri-clamp®, ACME (bevel seat), CB I-Line and plain stub end for welding. Industrial 2.5 inch L/T lap joint and weld neck flanges
- **Finish:** Frame - glass blast. Product contact surfaces, to 150 grit finishing, meeting 3A
- **Operating temperatures:** Up to 350°F (177°C) depending on gasket material
- **Maximum flow rate:** 250 GPM (60 cu. m/hour)

## Additional Features

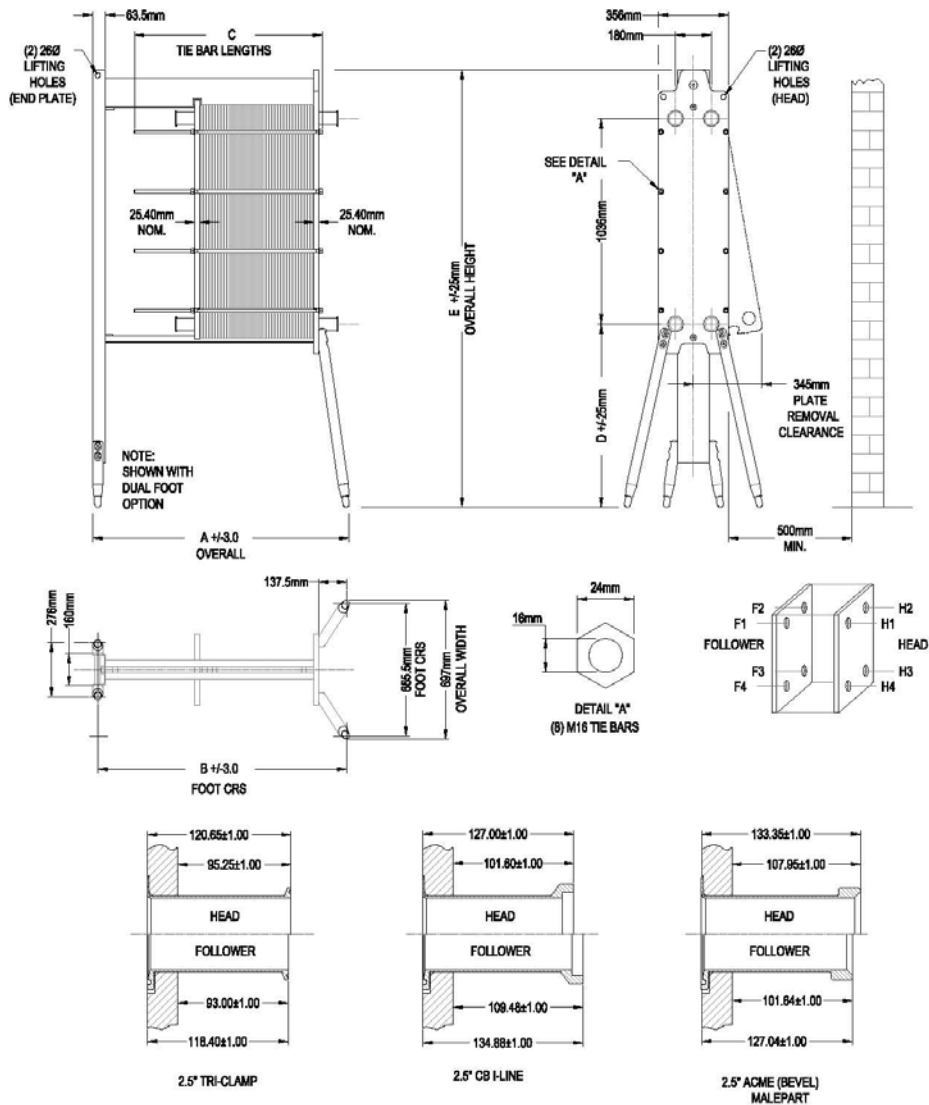
- Optional stainless steel protective plate pack shroud
- Optional ASME code stamp



# APV Paraflow Super Sanitary Vega V028 R-10 Series Plate Heat Exchanger Dimensions

Dimensions are in mm

R-10



FRAME SIZE	END SUPPORT FOOT TYPE	NET WEIGHT IN KILOGRAMS (NO PLATES)		MAX FRAME CAPACITIES (0.6mm PLATE)		MEASUREMENTS IN MILLIMETERS				
				MAX PLATE QUANTITY	MAX PLATAGE DIM. (mm)	A	B	C	D	E
1	SINGLE FOOT NON ADJ	TALL	279	97	625	1203	1138	900	924	2205
		SHORT	238	97	625	1115	1055	900	353	1634
2	SINGLE FOOT NON ADJ	TALL	308	234	1450	2029	1963	1600	924	2205
		SHORT	288	234	1450	1940	1881	1600	353	1634
3	DUAL BALL FOOT ADJUSTABLE	TALL	345	351	2150	2742	2699	2400	924	2205
		SHORT	304	351	2150	2661	2620	2400	353	1634
4	DUAL BALL FOOT ADJUSTABLE	TALL	381	476	2900	3492	3449	3050	924	2205
		SHORT	341	476	2900	3411	3370	3050	353	1634

APV, An SPX Brand  
 1200 West Ash Street  
 Goldsboro, NC 27530  
 Phone: (919) 735-4570 Fax: (919) 581-1167  
 Email: answers.us@apv.com

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