



APV Plate Heat Exchangers For Sanitary Applications

Benefit From Our Experience

If you're in the market for a sanitary plate heat exchanger, look no further than APV. Throughout our history, we've dedicated ourselves to the dairy, food, beverage and pharmaceutical industries. We draw on our extensive knowledge base to customize solutions for your unique application. Whether you are looking to maximize heat recovery, optimize run time or improve product quality, APV will deliver the latest innovations to help you achieve your process objectives.

APV provides an unmatched range of sanitary plate heat exchangers that feature:

- 3A and FDA compliancy
- Optimum run time
- Duo-Safety system
- Designed for ease of inspection & cleaning
- Manual or hydraulic closure
- Efficient operation
- Compact size
- Durable construction
- Frame longevity
- Flexible configurations
- High and low-leg designs available

APV offers an unmatched range of plate patterns, materials and thermal lengths capable of handling a wide range of applications and flow rates.

- Gasket attachment options
 - Glue free
 - Glued: FDA compliant heat cured for optimum bond
- An APV specialist will help you determine which method is most suitable for your specific application.

- Both vertical and, for tougher applications, diagonal flow
- Wide variety of plate configurations available
- Unique design ensures easy cleanability

Typical Applications

- Baby food
- Broth/gravies
- Culture media
- Formula
- Juices
- Margarine
- Sauces
- Soy milk
- Table syrup
- Tomato products
- Whey
- Yogurt
- Beer
- Cream
- Evaporated milk
- Ice cream mix
- Juice concentrates
- Milk
- Soft drinks
- Sterile water
- Tea
- Vegetable oil
- Wine



Model	Conn	High Leg	Low Leg	Spindle	Hydraulic	Max GPM	Active Area per plate ft ²	Gasketed	Welded	Duo-Safety	Max Height	Max Width	Max Length
SR1 R-12	1.5"	X	X			125	0.92	X			43"	11"	37"
SR11	1.5"	X		X		125	0.92	X			37"	11"	54"
SR2 R-14	2.5"	X	X			250	1.87	X	X	X	65"	24"	76"
SR21	2.5"	X		X		250	1.87	X	X	X	66"	26"	85"
V028 R-10	2.5"	X	X			250	2.96	X			87"	28"	138"
V028 R-16	2.5"	X	X			250	2.96	X			87"	29"	138"
V028 B-13	2.5"	X			X	250	2.96	X			93"	36"	168"
R56S	4"		X			800	5.6	X			84"	22"	131"
R56SH	4"	X				800	5.6	X			98"	22"	131"
R51T	4"	X		X		800	5.6	X			106"	36"	238"
R5 Q-13	4"	X			X	800	5.6	X			117"	43"	356"
SR6GLS	4"		X			800	6	X		X	77"	25"	135"
SR6GLSH	4"	X				800	6	X		X	91"	35"	135"

APV offers innovative plate designs to match your requirements, including:

ER5 EasyFlow Plate

The ER5 EasyFlow is tailored for processing liquids with suspended material. With 90% fewer contact points than standard plates, the ER5 provides clear passage of products with less risk of pulp or fiber hang-up.

NR5 EasyFlow Plate

The plate design of the NR5 EasyFlow is quite unique. Classic diagonal flow with naturally superior distribution means an increase in the heat transfer area and a reduction in CIP time. The plates are equipped with EasyClip gaskets, providing rapid gasket replacement without glue and the Corner Interlock to secure correct alignment and to eliminate plate damage. Contact points per ft²/m² are always looked upon with great interest - especially by manufacturers of products containing fibers/solids. Again, the NR5 stands out. Only 174 contact points/ft² versus 400+ on traditional hygienic plates.

Vega Plate

The Vega is 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.

Start Benefiting Today

APV plate heat exchangers offer all the benefits you need to improve your process profitability.

- Multiple duties in a single frame
- Highly efficient design maximizes regeneration during heating and cooling
- Computer aided design tools that allow configurations to optimize process run-time

APV's experienced engineers will work with you every step of the way, from system design to implementation, to ensure you get the solution that best meets the needs of your process.

To learn more about how APV can help you improve the profitability of your process, call us today.

Quad-Drive



V028 R-10



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