



NR5 EasyFlow

A Legacy Of Performance:

APV R5 Heat Exchangers can be found hard at work every day in a wide variety of hygienic applications around the world. It is APV's experience and commitment to excellence that have set the standard in this industry for superior performing products.

The NR5 EasyFlow is a well-balanced heat exchanger that provides outstanding performance & value. Great attention to detail makes the NR5 the smart choice for high efficiency hygienic applications.

Applications Include:

Dairy

- Milk pasteurization
- Cream pasteurization
- Ice cream mix heat treatment
- Milk byproducts
- Cheese-milk HTST
- UHT processing
- Raw milk
- Cream coolers
- Cultured yogurt coolers
- Cheese sauce cooling

Food

- Egg processing
- Tomato sauce, paste, ketchup pasteurizing
- Liquid bakery sponge cooling
- Bakery brew coolers
- Sauces, gravies, starch cooker-coolers

- Sugar processing
- Infant formula pasteurizing
- Edible oils (sugar, syrups)
- Edible oils (vegetable, soybean,mineral oils)

Beverage

- Fruit juice pasteurizing
- Sport drink hot and ambient fill
- High pulp juice
- Citrus concentrate chillers
- Soft drink processing
- Beer pasteurizing
- Wort cooling

Pharmaceutical

- Antibiotic broths
- Culture media sterilizers
- Sterile water
- Cosmetics
- Shampoos
- Conditioners

Process Advantage:

- Competitive cost
- Longer run times
- Can handle UHT milk as a result of washboard turbulence
- Greater heat transfer
- Increased process capacity



Features:

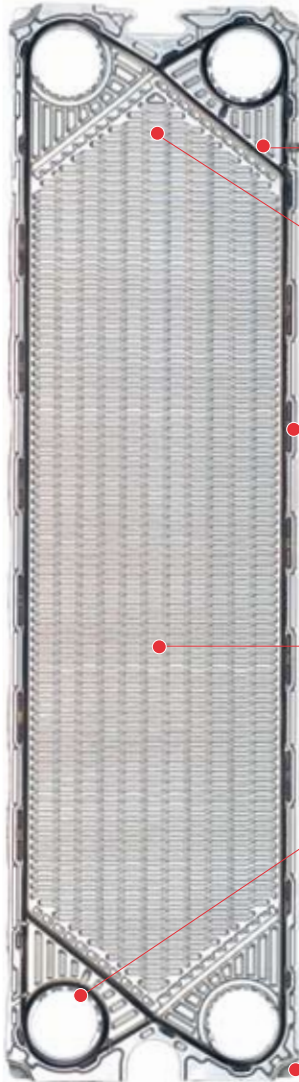
- EasyClip gasket design
- Interlocking plate design
- Diagonal flow plate for even product treatment
- Reinforced port area
- Fewer contact points
- 150 psi rating
- 3A compliant
- Intensified heat transfer

Benefits:

- 20% more processing capacity in the same R5 frame
- 7 1/2% more heat transfer area per plate than the competition
- Diagonal flow plate for even product treatment
- Superior washboard hygienic design
- Fits in all R5 frames

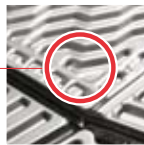
Materials & Options:

- Standard delivery plate offer 316 SS / 0.6mm
- Also available 27-7 Mo / Titanium
- Standard delivery gaskets EPDM, Nitrile



PORT STRENGTH

Careful attention to detail avoids weak areas that can cause plate deformation and shorten plate life. Reinforced inlet area provides rigid surface for secure sealing.



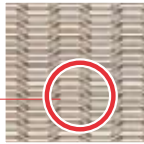
DISTRIBUTION

The NR5 inlet design provides a homogenous and efficient distribution of product across the plate and into each channel avoiding low turbulence flat areas.



EASYCLIP

EasyClip allows you to quickly and securely install and remove gaskets for increased serviceability and gasket longevity. A robust design, EasyClip allows gaskets to be interlocked between plates providing trouble-free installation.



HEAT TRANSFER

Superior hygienic plate design provides maximum turbulence for increased efficiency, longer run times and 7 1/2% more heat transfer area per plate than the competition.



RADIUS PORT

The NR5 radiused port edge design provides excellent strength while minimizing the risk of product build up on flat, hard-to-clean areas found in some competitor's plates. Generous port size provides lower pressure drops.



PLATE INTERLOCK

NR5 plate interlock system provides safe and reliable alignment of plates during assembly, reducing the risk of plate damage and incorrect position. Positioned at all four corners, the NR5 plate interlock assures proper assembly and saves time.

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