

# NR5 EasyFlow Heat Exchanger

APV PLATE HEAT EXCHANGER



The first commercially successful plate and frame heat exchanger was introduced in 1923 by Aluminum Plant and Vessel Company Ltd., which became known as APV. We have evolved and grown over the years to better meet the changing needs of our customers and their industries.

Our vision for the future is rooted in a long standing tradition of excellence and commitment to progress. We strive to offer the customer the highest quality products and services today, tomorrow and beyond.

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader. The company's highly-specialized, engineered products and technologies serve customers in three primary strategic growth markets: infrastructure, process solutions, and diagnostic systems. Many of SPX's innovative solutions are playing a role in helping to meet rising global demand, particularly in emerging markets, for electricity, processed foods and beverages and vehicle services. The company's products include thermal heat transfer equipment for power plants; power transformers for utility companies; process equipment for the food & beverage industry; and diagnostic tools and equipment for the vehicle service industry. For more information, please visit [www.spx.com](http://www.spx.com).

## NR5 EasyFlow Plate HeatExchanger

### 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 SPX'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.

### 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 (10 bar)
- 3A compliant
- Intensified heat transfer

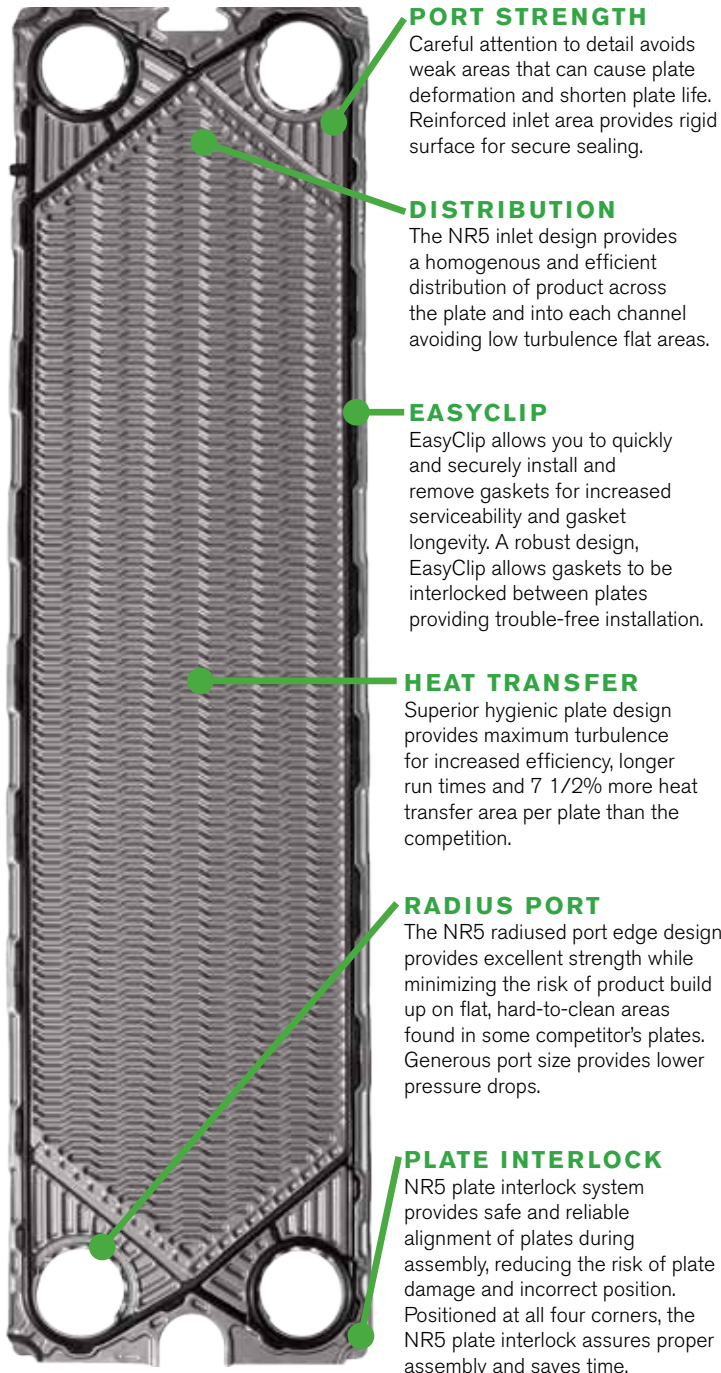
### BENEFITS:

- 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

## Typical product applications



### 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



# NR5 EasyFlow

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## Global locations

### USA

#### SPX FLOW TECHNOLOGY

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#### SPX FLOW TECHNOLOGY

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SPX reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing. Please contact your local sales representative for product availability in your region. For more information visit [www.spx.com](http://www.spx.com).

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