



AGCTM
HEAT TRANSFER

PRO5PLUSTM

U P G R A D E

*"Building the best, servicing the rest"*TM



**ENERGY
SAVINGS**

**QUALITY/
STRENGTH**

FLEXIBILITY

**INNOVATIVE
DESIGN**

AGCTM
ENGINEERING



proflow^{sanitary}
S E R I E S

Inside the Pro5Plus™

AGC Heat Transfer has made constant improvements to sanitary plate heat exchanger designs. The Pro5Plus™ is designed to fit into existing APV R5 or AGC Pro5 frames. The difference is the compressed dimension per plate. The R5 and Pro5 have a wider gap than is required for most fluid milk and Ice Cream or bi-product applications. By reducing the pressed depth to a modern, typical dimension more plates can be installed in the same operating area. This means more heat transfer and/or more processing capacity. WITHOUT PIPING CHANGES. The plate is also designed with our standard chevron pattern which provides greater strength. The added strength allows the plates to be manufactured with a thinner gauge material for added efficiency.



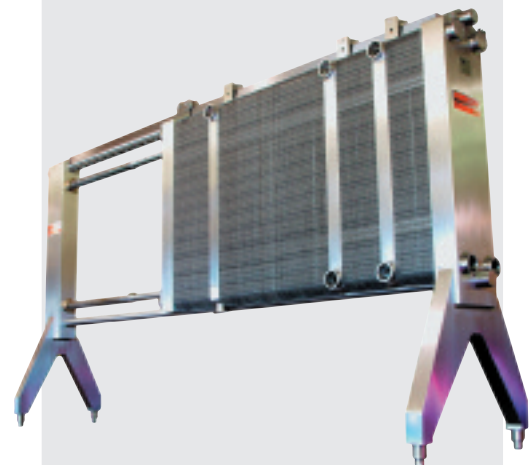
Pro5Plus™ optimized gap means more performance and more savings for YOU!



Optimized compressed dimension or pressed height on the Pro5Plus™ allows more plates in the same frame for higher efficiency or higher flowrate IN THE SAME SPACE!



Line contact provides greater strength



Long run times and reduced pressure drops give more savings and excellent CIP response

proflow sanitary
S E R I E S

PRO5 PLUS™

"BUILDING THE BEST / SERVICING THE REST"



Flexibility, Choice and Quality

Increase your existing production flow by over 25% in the same frame! By optimizing the compressed dimension production can be increased as more plates can be installed in the same area.

50% FIRST YEAR DEPRECIATION

New tax laws allow for upto 50% first year depreciation (30% in prior years) on your new upgrade Pro5Plus™ plates. Now you can regasket your existing old style plates and replace with new and save even more*.



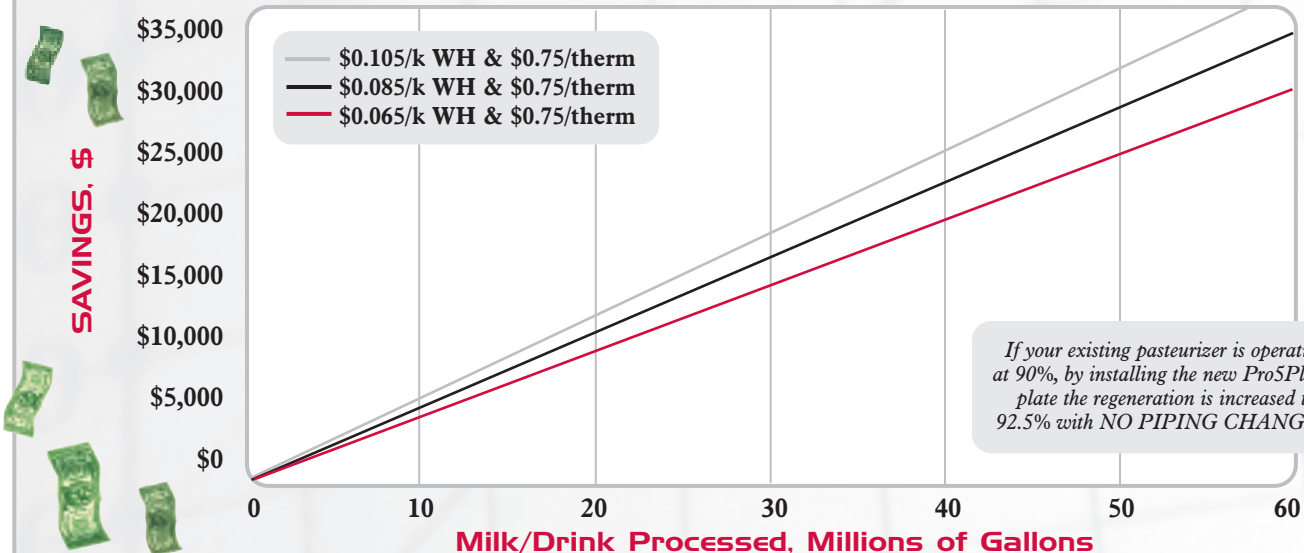
ENERGY CREDIT

Some local power companies pay cash for energy saving retrofits of existing facilities. The application process is simple and can pay for all or help defray the cost. Only the AGC Heat Transfer Pro5Plus™ plate can increase your existing regeneration without piping changes.

**Please check with your accountant*

Energy Savings! Payback < 1 year!

Typical Regeneration Savings Using Pro5Plus™ plates



If your existing pasteurizer is operating at 90%, by installing the new Pro5Plus™ plate the regeneration is increased to 92.5% with NO PIPING CHANGES.

Above graph based on the typical increase in regeneration of 2.6%. The above chart shows the actual savings per million gallons of milk/drink processed. The chart is practically based using typical compressor COP (coefficient of performance) and 0.70 \$/therm natural gas price three lines on the chart show the savings given varying electric charges. If your current milk regeneration section is only 90% efficient you will benefit by upgrading your plates and increasing the regeneration. Without piping changes. Real savings-year after year.





HYDRAULIC

Proven design, faster inspection, interchangeable with existing frames for ease of maintenance.



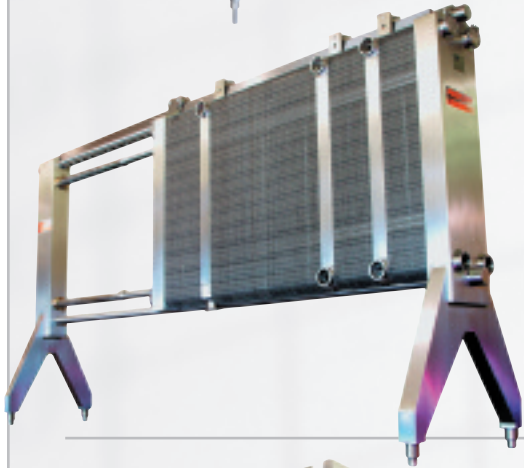
Hydraulic closure



Sturdy



High capacity rails

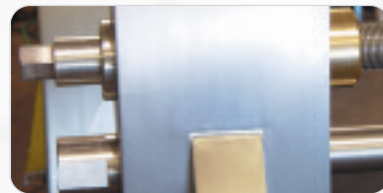


SPINDLE

Reliable manual twin spindle design.



Multi height options



Rugged, proven parts



TIE-BAR

Cost effective for small units.

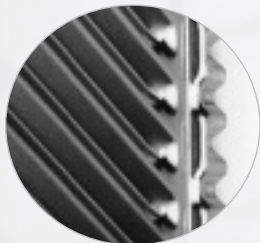


Heavy construction



Removable/replaceable insert options

PRO5PLUS™ OFFERS



Partially relieved gasket groove reduces product to gasket contact area



Special cleaning channel for better CIP



Snap in gaskets



Metal to Metal plate alignment device



Western
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Portland, OR 97206
503.774.7342
800.715.8820
FAX 503.774.2550

Central
1325 Remington Rd.
Suite T
Schaumburg, IL 60173
847.301.6890
FAX 503.774.2550

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10129 Piper Lane
Bristow, VA 20136
703.257.1660
800.825.8820
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See us on the web at www.AGCHeatTransfer.com

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