



## Editorial

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### APV - Celebrating 100 Years of Process Experience & Innovation



Dr. Richard Seligman

Founded in 1910 by Dr Richard Seligman, APV (**A**luminum **P**lant & **V**essel Company), specialized in fabricating and supplying welded vessels to the brewery and vegetable oil trades. Over the years the company grew organically and through a number of acquisitions from a total staff of seven to an international engineering business with a workforce of more than 2,750. Now part of SPX, APV is further strengthened by leveraging shared best practices across an expanded solution platform, and offering customers an even wider choice of process and application solutions.

Throughout its long history APV has pioneered many of the technologies that continue to set today's process industry standards. These ranges from heat exchangers, homogenizers and other advanced flow components to highly engineered systems specifically designed for standard and custom applications in the food, beverage, dairy, and brewery industries.

In 1923, Dr Richard Seligman introduced the first commercially successful plate-and-frame heat exchanger. Constructed from cast gunmetal plates and enclosed within a frame, the ParaFlow set the standard for its namesake of today, the computer-designed, thin metal plate heat exchanger known all over the world.



In 1987, APV acquired Rannie Homogenizers followed in 1995 by Gaulin. Today, APV homogenizer technology has revolutionized countless processes, facilitating the development of new products and enhancing many more.

**SPX Flow Technology**  
The Beehive, City Place  
Beehive Ring Road  
Gatwick, West Sussex, RH6 0PA  
UK

TEL | +44 | (0)1293 | 527777  
FAX | +44 | (0)1293 | 552640

[www.apv.com](http://www.apv.com)



## Commitment to Innovation

APV's expertise in the fields of heat transfer, homogenization, mixing and blending, membrane technology, microparticulation, fluid handling, automation, energy and environment, evaporation and distillation comes from a strong, forward-looking research and development policy in close partnership with customers.

APV recently launched LeanCreme™, one of its most successful technologies ever. This groundbreaking separation and microparticulation technology enables precision customization of whey protein concentrate particle size distribution. The resulting LeanCreme™ product combines the high nutritional quality of whey protein concentrate and enhanced functionality. Natural mouthfeel as well as flavour neutrality makes LeanCreme™ the ideal starting ingredient for a wide array of innovative and milk products, desserts, yogurt drinks, ice creams and spreads.

Another recent innovation is the skid-mounted APV SepStream System process for separating and concentrating whey or raw milk material to create new, value-added main stream products or ingredients. Employing advanced ultrafiltration and reverse osmosis membrane technologies, APV SepStream enables dairies to increase their utilization of milk intake in smaller and medium scale production and eliminate wastewater, thus boosting revenues while cutting costs.

## New Horizons

The acquisition of APV by SPX in 2008 was a major milestone as the centenary approached. New synergies with SPX's Flow Technology segment offer our customers an unprecedented choice of solutions integrating traditional APV heat processing, mixing and blending technologies with the comprehensive SPX Flow Technology range of engineered solutions and products for processing, blending, metering and transporting fluids. Recognized for its leading brands and turnkey systems capability, the SPX Flow Technology segment serves the Food & Beverage, Power & Energy, and Industrial markets worldwide.



## One Company, Multiple Product Brands

The centenary year also marks the migration of APV as a company into SPX. The APV brand, however, will live on as before, marking the technologies and solutions that have founded the global success of APV over 100 years. The affiliation with SPX offers our customers a broad raft of new opportunities, while preserving the spirit and values of APV that have been so important to them over the years.

## 100 years of Strategic Partnership – and Never Stronger

We pride ourselves on our ability to work as a strategic partner with customers to identify, customize and deliver processing solutions and equipment that are specifically tailored to deliver optimum results from day one while meeting their long-term needs.

We help our customers maximize their return on investment throughout the lifetime of their APV equipment with performance optimization, maintenance and genuine spare parts services, refurbishing and upgrades as well as application development, testing and piloting at the SPX Innovation Centre and Homogenizer Lab in Denmark.

We will continue our strategic commitment to our customers in the coming years based on innovation that addresses present and future market needs, quality engineering and solutions that add value to our customers' businesses, and dedicated service and support to help optimize the performance of our systems and products throughout their service life.



## About SPX Flow Technology

SPX's Flow Technology segment designs, manufactures and markets engineered solutions and products used to process, blend, meter and transport fluids in addition to air and gas filtration and dehydration. Recognized for its leading brands and turnkey systems capability, the Flow Technology segment has global operations which serve the Food & Beverage, Power & Energy and Industrial markets.

## About SPX

SPX Corporation is a Fortune 500 multi-industry manufacturing leader. The company offers highly-specialized engineered solutions to solve critical problems for customers.

SPX is focused on providing solutions that support the expansion of global infrastructure, with particular emphasis on the growing worldwide demand for energy and power. Its innovative product portfolio, containing many energy efficient products, includes cooling systems for power plants throughout the world; custom engineered process equipment that assists a variety of flow processes including food and beverage manufacturing, oil and gas exploration, distribution and refinement and power generation; handheld diagnostic tools that aid in vehicle maintenance and repair; and power transformers that regulate voltage for electrical transmission and distribution by utility companies. SPX is headquartered in Charlotte, North Carolina and has employees in over 40 countries worldwide. Visit [www.spx.com](http://www.spx.com). (NYSE: SPW)

### Web sites:

APV: [www.apv.com](http://www.apv.com)

SPX Flow Technology: [www.spxft.com](http://www.spxft.com)