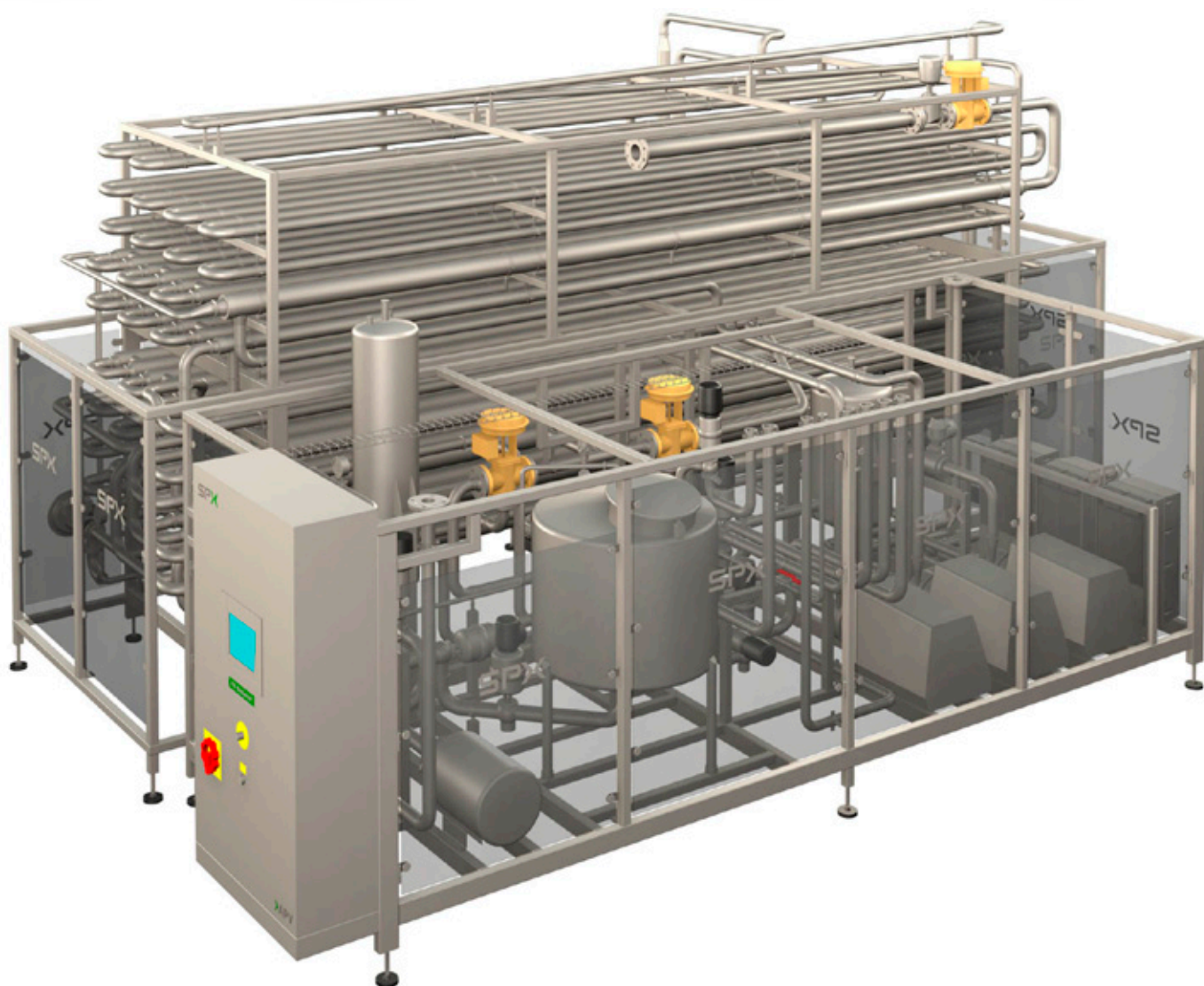


APV FX Tubular UHT Plant

APV FX SYSTEMS™



Engineering excellence, allied to stringent quality control, ensures that SPX's unrivalled range of APV products complies with the highest international standards for hygiene. In the light of growing pressure worldwide to deliver safe, high quality food, all SPX products are designed for easy cleanability, while minimising the use of valuable resources, such as energy. The APV product portfolio includes a wide range of pumps, valves, heat exchangers, mixers and homogenisers designed for use in the food, dairy and brewing industries, as well as in chemical, healthcare, pharmaceutical processing and heavy industries.

APV FX Systems™

APV Factory Express (FX) Systems are high-quality, skid-mounted, Plug & Produce application solutions marketed by SPX under its APV brand. They are designed for dairy, beverage and food manufacturers all over the world who require reduced lead time for delivery of high-quality, low-risk solutions for plant upgrades or extensions. Based on standardised modules designed, built and backed by SPX, APV FX Systems™ leverage proven APV/SPX engineering and automation, and comply with global industry standards.

Boost availability, flexibility and energy efficiency

IMPROVE EFFICIENCY, QUALITY AND OUTPUT

Are you looking for continuous, energy-efficient heat treatment of whole milk?

The APV FX system uses high-velocity tubular aseptic and non-aseptic heat treatment to ensure smooth and efficient, continuous production of high-quality milk products.

BENEFITS

The APV FX system is a flexible solution that can be delivered, installed and commissioned within a very short time, offering a unique combination of advantages:

- Extended run time between CIP
- Minimum fouling and effective cleaning
- Less plant dead volume
- Less product loss during start/stop
- Extended energy recovery
- Modular system for complete flexibility
- Lower daily running costs
- Capacities 6,000, 12,000 and 20,000 l/h
- Small footprint for installation in spaces too small for other equipment
- Pre-assembled and factory-tested for easy and fast installation based on standardised design
- Short pay-back time and high ROI over a long service life
- Global availability with SPX global service and support

OPTIMUM OUTPUT

- Higher turbulence decreases fouling and shortens cleaning times
- High product flow velocity minimises fouling and extends run time
- Lower dead volume due to corrugated tubes in preheater and coolers means longer run time
- Easy inspection and access means shorter maintenance times

REDUCED COSTS

- Longer production time between CIP cuts expensive down time
- High heat transfer efficiency cuts energy costs
- Extended heat recovery saves energy costs
- Product loss savings during start/stop due to sharp interface between product and water as well as between water and CIP liquids

FASTER CIP

- High flow velocity and turbulence shortens CIP times

FOOD SAFETY AND SUSTAINABILITY

- High kill rate
- Sharp separation of product and process water
- Efficient cleaning
- Lower energy consumption

SHORT TIME TO PRODUCTION

- Each module contains a full set of installation instructions for fast assembly and connection

PROVEN RELIABILITY

- Testing with water of each unit by SPX specialists prior to shipping
- Rapid installation and commissioning
- Proven functionality and performance

STANDARDISED TURNKEY PACKAGE

- Skid-mounted system
- CIP system and PLC system
- Fast delivery
- Commissioning
- All in the box – all in the price

SERVICE AND SUPPORT

- Customised service and maintenance agreements
- Global delivery of genuine SPX spare parts
- Application consulting
- Application testing at the SPX Innovation Centre
- Customer specific equipment/ instrumentation

UNIQUE UHT EXPERTISE

SPX Flow Technology is a world leader in UHT processing with a comprehensive portfolio of tried and tested UHT plant solutions comprising plate, tubular, injection and infusion UHT plant technologies.

The SPX Innovation Centre based in Silkeborg, Denmark, operates a UHT pilot plant capable of running all the main UHT systems. This pilot plant is available for customers wishing to test new processes and optimise existing process parameters with the assurance of production scalability. Plant is also available for rent, enabling customers to conduct trials on their own premises.

Typical product applications

Dairy

Whole milk



APV FX Tubular UHT Plant



Global locations

AMERICAS

SPX FLOW TECHNOLOGY

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APAC

SPX FLOW TECHNOLOGY

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ABOUT SPX

Based in Charlotte, North Carolina, SPX Corporation (NYSE: SPW) is a global Fortune 500 multi-industry manufacturing leader. For more information, please visit www.spx.com.

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