

SPX®



> APV®

APV FX Aseptic Tank
Brochure

Food and beverage processing has never been more challenging. Margins are being squeezed, food safety is paramount and consumer demands for new products make formulation changes a regular occurrence.

To meet these challenges head on, you need a partner with a deep understanding of process engineering and a broad portfolio of equipment. Look to SPX and its industry leading brands to provide unparalleled technical support, equipment versatility and food processing expertise. Explore the endless solutions that SPX has to offer. You're sure to find answers that will improve plant performance, increase profitability and enhance the value of your brand.

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.

Get the most out of your UHT plant

Improve efficiency, quality and output

Are you looking for lower downtime, higher throughput, higher product quality, lower costs and more flexible production?

In operations where a UHT plant directly feeds a filling line, cleaning requirements or filling line repairs can result in recirculation or unscheduled stoppages causing loss of valuable production, extra energy costs and suboptimal utilisation of valuable filling plant and equipment.

The APV FX Aseptic Tank offers buffering capacity for all UHT-treated liquid aseptic products between the UHT line and filling machines, thus ensuring smooth and efficient continuous production with no loss of product quality or nutritional value.

Benefits

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

- Engineered solutions transformed into high-performing modules
- 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
- Integration with UHT control system or filling machines
- Product changeover without interruption
- Filling line service and repair without stopping UHT plant
- Skid-mounted for flexible relocation
- Capacities ranging from 10,000 to 40,000 l/h
- Incoming flow rates from 3,000 to 20,000 l/h
- Short pay-back time and high ROI over a long service life
- Global availability with SPX global service and support

Higher quality

- Less deterioration in flavour
- Less deterioration in nutritional value

Independent CIP

- CIP of UHT plant without interrupting flow to filling machines

Integrated control

- Integrated CIP system
- PLC system
- Controlled from the UHT plant

Reduced investment

- Enables realisation of full production capacity to optimise efficiency and ROI

Short time to production

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

Proven reliability

- Full testing of each unit by SPX specialists prior to shipping
- Rapid installation and commissioning
- Proven functionality and performance

Standardised turnkey package

- Skid-mounted system
- Tank body, steam-shielded aseptic valve clusters, 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



Beverage



Juice



Tea and coffee drinks



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 SPX engineering and automation, and comply with global industry standards

Global locations:

APAC

ft.apac.fxqueries@spx.com

AMERICAS

ft.americas.fxqueries@spx.com

EMEA

ft.bydgoszcz.fxqueries@spx.com

SPX Flow Technology

Pasteursvej

DK-8600 Silkeborg, Denmark

Phone: +45 70 278 278 Fax: +45 70 278 330

www.apv.com / www.spxft.com



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