

The top half of the page features a high-quality photograph of a milk splash. A thick stream of white milk is falling from the top center, creating a large, symmetrical splash that spreads outwards. Numerous small droplets are suspended in the air around the main splash, giving it a dynamic and fresh appearance. The background is a soft, out-of-focus white.

DUALSAFE™ ASEPTIC MIXPROOF VALVE - AM1

A Mixproof Valve That Delivers On Aseptic.

APV DualSafe™ Aseptic Mixproof Valve is designed to ensure aseptic processing in the most demanding environments. Our innovative solution combines advanced technology with meticulous design to ensure aseptic conditions, superior cleanability and uncompromising product quality and safety.

Why Choose APV DualSafe?

Aseptic conditions are maintained consistently with proven diaphragm technology and two independent shafts that effectively separate incompatible media. This, along with a separation cavity controlled by an aseptic inlet and outlet valves, offers an extra layer of protection, minimizing contamination risks and preserving product quality.

Enhanced Cleanability and Efficiency

Independent seat lifting and pulsation ensures thorough cleaning, cutting CIP fluid losses by up to 40%. Key features include dome-free upper line to prevent air pockets, minimized shadow areas, optimized flow for efficient cleaning and a PTFE diaphragm with no convolutions for enhanced cleanability and high hygiene standards.

Uncompromising Product Quality and Safety

Engineered to protect and enhance product quality while adhering to the highest safety standards. It reduces thermal transfer to preserve temperature-sensitive products, features a smooth surface finish to minimize microbial adhesion allows precise temperature monitoring.

Benefits

- **Aseptic Processing:** Diaphragm design for opening and closing ensures aseptic conditions.
- **Double Protection:** Utilizes two independent shafts to prevent cross-contamination.
- **Advanced Technology:** PTFE diaphragm with lower conductivity than metal, crucial for preserving the quality of temperature-sensitive products.
- **Superior Cleanability:** Effortless cleaning with no dome area and smooth surfaces.
- **Easy Maintenance:** requires only minimal seals, easy servicing and fewer tools.
- **Reliability:** Fewer spare parts needed, built-in sensors and accurate measurements via the control unit.
- **Sustainability:** Reduces product waste and features pulsation to lower CIP fluid losses and water consumption.
- **Peace of mind:** APV quality engineering and supported by a global network.

ASSURANCE OF ASEPTIC PROCESSING

Choose the APV DualSafe™ Aseptic Mixproof Valve for a solution that ensures aseptic conditions, enhances cleanability and upholds the highest standards of product quality and safety. With our advanced technology and innovative design, you can trust that your processes will be efficient, safe and reliable. Certified materials ensure traceability and compliance with industry standards and the design meets 3A sanitary standards, providing peace of mind regarding product safety.

CU43plus Control Unit

advanced valve stem measuring system and air pressure sensor monitors the main actuator's compressed air.

PTFE Diaphragm keeps the aseptic conditions, extends valve lifetime and excellent cleaning abilities.

Dome Free Upper Line

prevents air pockets and ensures continuous velocity for effective cleaning and minimizes hard-to-clean zones.

Seat Lift and Pulsation

Function ensure enhanced cleaning efficiency and reduced CIP losses.

Visual Leak Detection to identify immediate issues in processing.

Material Specification

all product contacted metal parts are below 0,8µm, the valve housing is e-polished.

Temperature Sensor

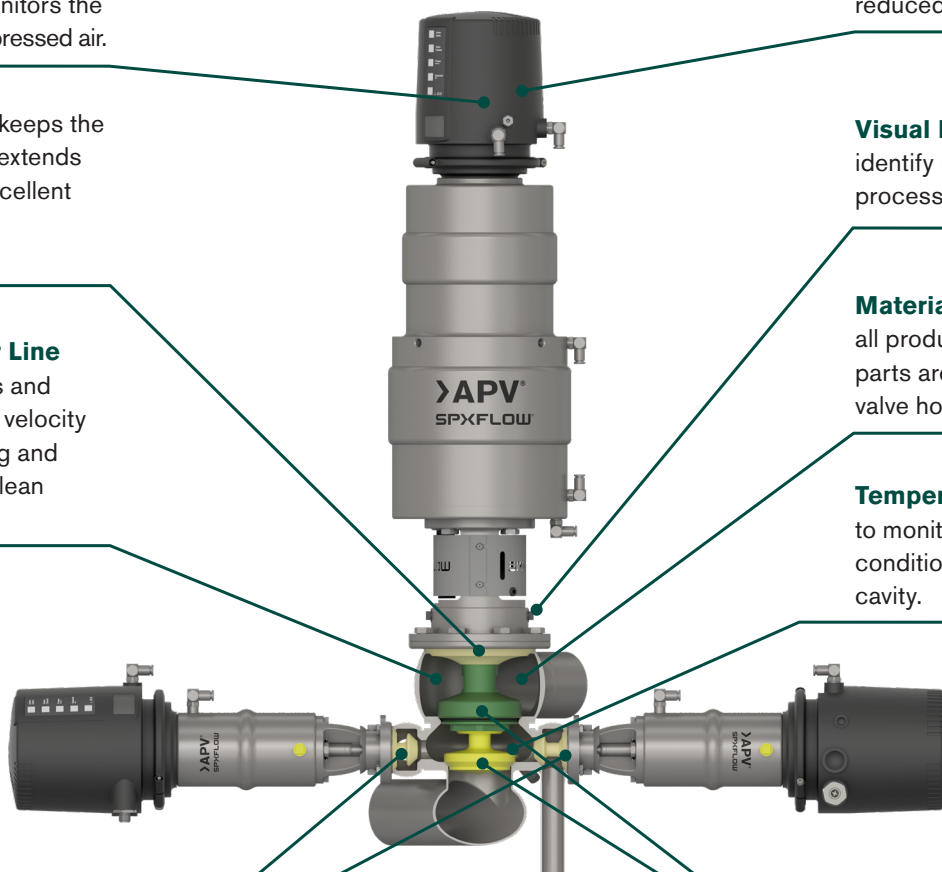
to monitor the aseptic conditions in the separation cavity.

Inlet and Outlet Aseptic

Valve provides extra layer of protection.

Two Independent Shafts

separate incompatible media.



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