



# NEXT LEVEL SAFETY

GEA VARIVENT® Mixproof valve type MX



# NEXT-LEVEL SAFETY

Protect your product and the consumers who place their trust in its safety. Rely on the latest generation of innovative valve technology now and meet tomorrow's safety requirements today.

## Fit for the future

Safety-optimized valve technology lets you respond in the rightway to the growing challenges facing your food production. The new GEA VARIVENT® Mixproof valve type MX acts as a protective shield, ensuring the flawless purity and premium quality of your food and beverage products. Innovative designfeatures preclude any possibility of contamination with unwanted substances.

## Global compliance with specifications

The new MX valve meets the most stringent requirements for hygienic food and beverage production worldwide (incl. 3-A, FDA, PMO, EHEDG). You, your products and your company are on the safe side, even in the face of increasing production pressure as well as ever higher market and consumer expectations.

## Strong, sustainable products

The time is ripe for new taste sensations – from vegan food through plant-based beverages and yoghurt innovations to the newcomer on the drinks scene, hard seltzer. The future belongs to the double-seat valve type MX, as it does to you. Process the best feedstocks into the finest products using innovative processes in line with sustainable concepts – including in the hygienic pharmaceutical sector.



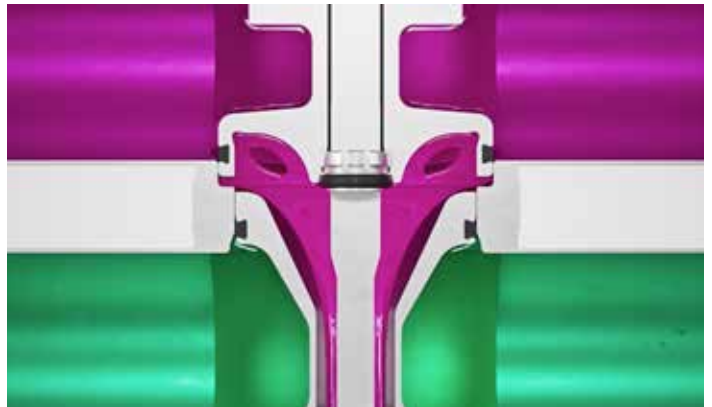


# NEXT-LEVEL PROGRESS

For decades, the GEA VARIVENT® name has been the benchmark for perfect hygienic valve technology. The innovative new MX double-seat valve points the way to the future.

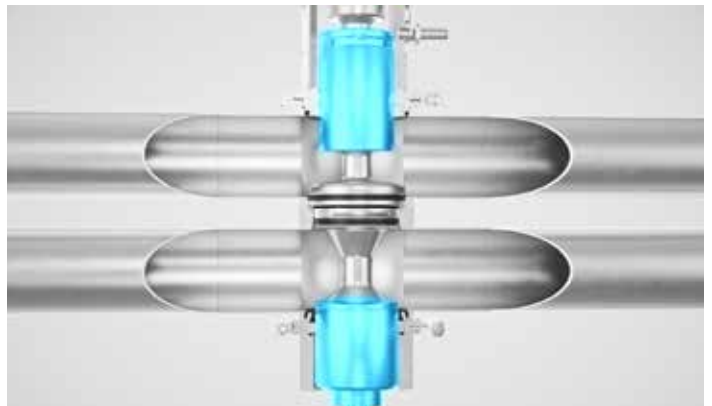
## Next level: Vacuum leak drainage

There is no risk of mixing even in the event of a seal failure thanks to the MX mixproof valve's revolutionary chamber geometry. A vacuum generated via the Venturi effect instantly directs any leakage out of the valve, eliminating any possibility of contamination of the second medium.



## Next level: Double balanced valve discs

The valve can be used up to a product pressure of 10 bar. Balancers in both pipelines keep the valve securely closed in the event of pressure surges of up to 50 bar. Even in the case of thermal pressure and an enclosed product, the valve remains responsive and the process disruption-free.



## Next level: Balancer cleaning device

To enable efficient cleaning, a special balancer cleaning device can be optionally integrated into the new MX mixproof valve. During CIP cleaning, the entire lower balancer is flushed from the outside.





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#### **State of the art: Digital valve control**

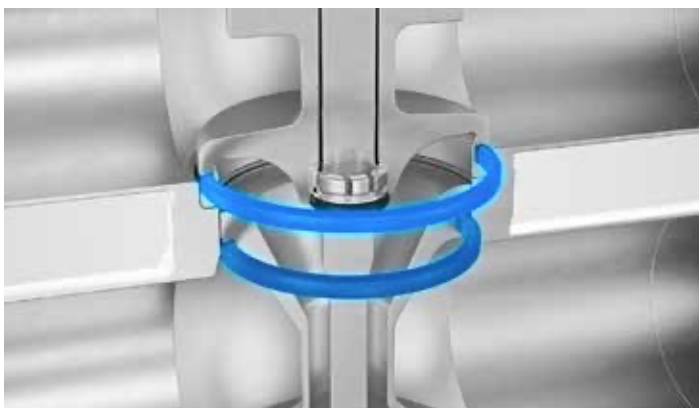
Two cutting-edge and vibration-resistant digital GEA T.VIS® control tops are available for the mixproof valve. Up to three solenoid valves and up to four feedbacks allow for highly sophisticated operating and automation concepts.



#### **State of the art: Maintenance-free actuator**

As is standard with the GEA VARIVENT® modular valve system, the actuator of the MX mixproof valve is designed to be maintenance-free.

The robust design supports continuous process operation and saves valuable time and operating costs.



#### **State of the art: Radial seals**

Radial seals, available in a variety of resilient materials, on both valve discs protect against switching leakage.

# NEXT-LEVEL FREEDOM

Perfect valve technology – perfectly adapted to your safety concept: With the MX BASIC and MX PLUS variants, the possibilities are endless.



See how it is used live in the sample process.

- Maximum product safety
- Maximum process reliability
- Maximum cleaning efficiency
- Monitoring of all valve positions
- Compliance with all design specifications worldwide

## You define the standard and the solution

What is the perfect level of safety for you? The GEA VARIVENT® modular system including the new MX mixproof valve offers you the choice between two variants. Go for the cost-efficient MX BASIC solution with numerous upgrade options.

### GEA VARIVENT® MX BASIC

- Available sizes DN 40 – DN 150 / OD 1.5" – OD 6"
- GEA T.VIS® M-20 control top with 2 feedbacks
- Double balanced valve discs
- Blasted housing surface
- 3.1 for all materials in contact with the product
- Design complies with global guidelines

### Optional extras

- Balancer cleaning device for lower valve disc
- GEA T.VIS® A-15 control top with 4 feedbacks
- 3-A version
- Grinded welding seams

### GEA VARIVENT® MX PLUS

- Available sizes DN 40 – DN 150 / OD 1.5" – OD 6"
- GEA T.VIS® A-15 control top with 4 feedbacks
- Double balanced valve discs
- Blasted housing surface
- 3.1 for all materials in contact with the product
- Design complies with global guidelines
- Balancer cleaning device for lower valve disc
- 3-A version
- Grinded welding seams



Or choose MX PLUS – the complete package with the full range of advanced design features for maximum safety. Talk to us about the ideal safety concept for your product and process.



