

## GEA Tuchenhagen

### Success By Design

GEA Tuchenhagen is a global leader in the manufacturing of a wide range of sanitary flow components for the dairy, food, beverage, brewing and pharmaceutical industries.

As the inventor of the mixproof valve, GEA Tuchenhagen has always focused on quality and innovation. From simple and smart design principals – like our metal-to-metal sealing philosophy – to flexibility and space-saving options in installation, we've always listened to the needs of our customers to help improve efficiency and ROI. Whatever your flow component needs, GEA Tuchenhagen has the range of products and the service experience to get the job done.

### Revolutionizing the Dairy Industry

In April 2007, in perhaps the greatest breakthrough in US dairy plant design in 25 years, GEA Tuchenhagen's 24/7 PMO Valve (FDA memorandum M-b-353) became the first mixproof valve to be authorized by the US regulatory authorities to allow seat cleaning while product is present in the valve. This means that US dairy plants no longer have to shut down production for two to three hours per day and can now reap the financial benefits of full 24/7 production. Overnight this valve has changed the way US dairy plants are designed and operated.

Most recently, the 24/7 PMO Tank Valve was added to the 24/7 PMO family of mixproof valves, becoming the first tank valve to hold an FDA Memorandum (M-b-359).

Today, GEA Tuchenhagen manufactures and supplies a wide range of process valves, valve manifolds, in-line measurement and control equipment, cleaning devices, CIP manifolds and product recovery systems. Additional services offered include concept design engineering, manifold prefabrication, plant service and customer training.



### Products

A full range of standard, longstroke and tangential single seat valves incorporating the standard GEA Tuchenhagen valve features such as:

- Zero-maintenance and reversible actuators
- Metal-to-metal sealing for longer life
- Interchangeability of key parts for lower spare parts cost
- Available in sizes up to 6" OD

A full range of mixproof valves including the 24/7 PMO family of valves whose benefits include:

- Complete safety against cross contamination – even with no or damaged gaskets

- Integrated balancer cleaning device allowing for ALL product-wetted parts of the valve, including the valve stem, to be cleaned as part of the seat lift procedure

A full range of high-accuracy, highly-sanitary control valves with:

- Metal or soft seal
- Pneumatic or electro pneumatic positioners
- Available in shut-off or divert style housing configurations
- Available in sizes up to 6" OD

A product recovery system that allows plants to recover valuable finished product from process pipe lines (up to 99%) as well as use less chemicals and water to clean these lines afterwards.

3-A approved aseptic valves with PTFE and stainless steel bellows, which are especially suited for applications such as creamers and non-refrigerated products.

Rounding out the wide range of sanitary components are GEA Tuchenhagen's T.VIS® intelligent control modules for valve control and monitoring functions, pressure relief valves, inline sampling valves, instrumentation and cleaning devices.

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