



# GEA FLOWVENT

A high-performance valve family  
to make your process flow

# LET IT FLOW. GEA FLOWVENT VALVE UNIT.

Get your process ready – the easy way.  
GEA FLOWVENT, the new hygienic valve  
family from GEA, is here to support your  
process flow with unprecedented safety,  
speed and ease.



Markets are in constant change, and producers need accessible high-performance technology to deal with challenges and opportunities. Get ready with GEA FLOWVENT to let your process flow and ensure the success of your operation!

#### **Saving time, effort and costs**

Designing and setting up stable processing systems has never been so easy: These four valve models are easy to select and to quickly procure. Valve setup, operation and maintenance can be done with minimum preparation and training – no special tools required.

#### **GEA-engineered in Germany, expertly produced locally**

The GEA FLOWVENT valve family unites our core of experience at GEA with expert local production and service concepts. This combination empowers you to react to market developments, new product ideas and production opportunities without losing valuable time.

#### **Ensured hygienic safety and product quality**

Each detail in the proven and tested design of GEA FLOWVENT valve units represents GEA hygienic valve expertise, from the proven sealing concept to the easy-to-clean design of flow paths and surfaces.

## **Plug & flow: your advantages with GEA FLOWVENT**

- Unbeatable choice for building and equipping quality process plants
- Fastest delivery, setup and service response for speediest time-to market
- Ensured process reliability and availability thanks to GEA's engineering experience
- High performance
- Ensured availability
- Full compliance to global as well as regional standards
- Our support close to you



**Beverage**



**Brewery**



**Dairy**



**Food**

# ENSURED PLANT AVAILABILITY AND PRODUCT QUALITY.

For safely and exactly executed processes, GEA FLOWVENT valve units follow the strict GEA hygienic design guidelines and hold all relevant certificates meeting local standards.

Every detail, from the proven sealing concept to the easy-to-clean design of flow paths and surfaces, represents the best in GEA hygienic valve technology.

#### **All required sizes available.**

All sizes and measures are tailored to the standards in your industry and region, so you can design and equip any standard process and processing system.

#### **Fully hygienic materials**

The hygienic quality materials conform to all local and international standards and certifications. They ensure maximum hygienic safety, long service life and minimum maintenance effort. Product-wetted surfaces are AISI 316L, sealing materials are EPDM, FKM.

#### **Easy-clean surface finish**

GEA uses advanced manufacturing technologies to ensure smooth, perfectly cleanable surfaces according to the strictest hygienic standards, free of dead zones to safely prevent contamination risks.

#### **For all process conditions**

Whether hot or cold, low or high pressure: GEA FLOWVENT is made for all common processes, applications and ambient temperatures in your industry with product pressures up to 10 bar.





## We have more for you!

In addition to GEA FLOWVENT we offer a wide range of hygienic valves and components meeting the full demands of our users.

- GEA VARIVENT® Hygienic seat valves
- GEA VARIVENT® Special application valves
- GEA VARICOVER® Hygienic product recovery systems
- GEA Hygienic butterfly valves
- GEA VARITOP® Hygienic tank safety systems
- GEA VARINLINE® Control and measuring devices

### GEA FLOWVENT Double-seal valve

The easy solution for CIP feeds:

GEA FLOWVENT Double-seal valves can be applied as efficient alternatives for secure separation of incompatible products within CIP systems or gas blocks.



### GEA FLOWVENT Shut-off valve

The key to guiding your process flow:

GEA FLOWVENT Shut-off valves are used for easy shut-off solutions in hygienic applications.



### GEA FLOWVENT Divert valve

The master tool for all changeover functions: GEA FLOWVENT Divert valves are used for easy changeover solutions in hygienic applications.



### GEA FLOWVENT Mixproof valve

State-of-the-art for your secure applications: GEA FLOWVENT Mixproof valves are used for the hygienically safe shut-off of incompatible media at pipe intersections.

# A BALANCED VALVE UNIT.

Each GEA FLOWVENT valve unit is a perfect match of proven valve technology and advanced digital control functions – the key to optimized efficiency of operations and the entry gate to automation of your process plant.



### **Mechanical technology and modern control top in perfect interaction**

The complete valve unit lets you fully exploit the potential of digitally controlled valve operation, in terms of accuracy and reliability and for optimal ease of use and time savings.

### **Valve technology plus modern control top**

Each GEA FLOWVENT valve unit includes a state-of-the-art digital control top. Perfectly matched to the mechanical valve components and managed by the plant's central Process Logic Controller (PLC), the digital control top delivers important advantages for the efficiency of all processes. As the "digital nerve center" of the valve unit the control top directs and monitors each valve function with maximum precision, optimizing functionality, safety and reliability of all operations, no matter the task.

### **Enabling future-proof valve automation**

The GEA FLOWVENT control top is your key to establishing fully automated processes, further increasing performance and cost-efficiency of your plant's processes and adding reliability and flexibility

### **Safely & exactly executed process**

The digital control top on every installed GEA FLOWVENT valve unit receives and processes electronic signals from the PLC for opening and closing the valve with maximum precision. The commands are translated from the control top to the valve via control air. The built-in digital circuits detect the opened and closed position of the valve by means of a self-adjusting path measuring system which provides two feedback signals at any time.

The state-of-the-art control tops are available with 24 VDC & AS-interface communication and standardized M12 connection (optional with cable gland and spring-loaded-terminals). They are built to offer resistance against vibration (10 g).

### **"Air – power – go": Automatic quick-SETUP**

GEA's state-of-the-art control top technology means you can set-up each installed GEA FLOWVENT valve unit automatically within seconds, even without special training.

The digital technology handles the commissioning of the valve on site almost by itself, automatically ensuring the correct end position indication and therefore reducing operating and service effort.

### **GEA FLOWVENT control top at a glance**

- Perfect fit
  - Only one manufacturer for valve technology and control top
  - Only one service contact
- GEA performance standards
  - Proven operational safety, functionality and reliability
  - Minimized electrical and air consumption
- Easy installation
  - Only one electrical and pneumatic supply line per valve unit
  - Only one central cable to PLC (24 VDC)
- Easy SETUP
  - Self-learning of opened & closed valve position and fixed tolerance ranges
  - No manipulation possible
  - Visualization on site
- Reduced air piping
  - Fast reaction time (short air hose between solenoid-valves and actuator)
  - Central air supply

