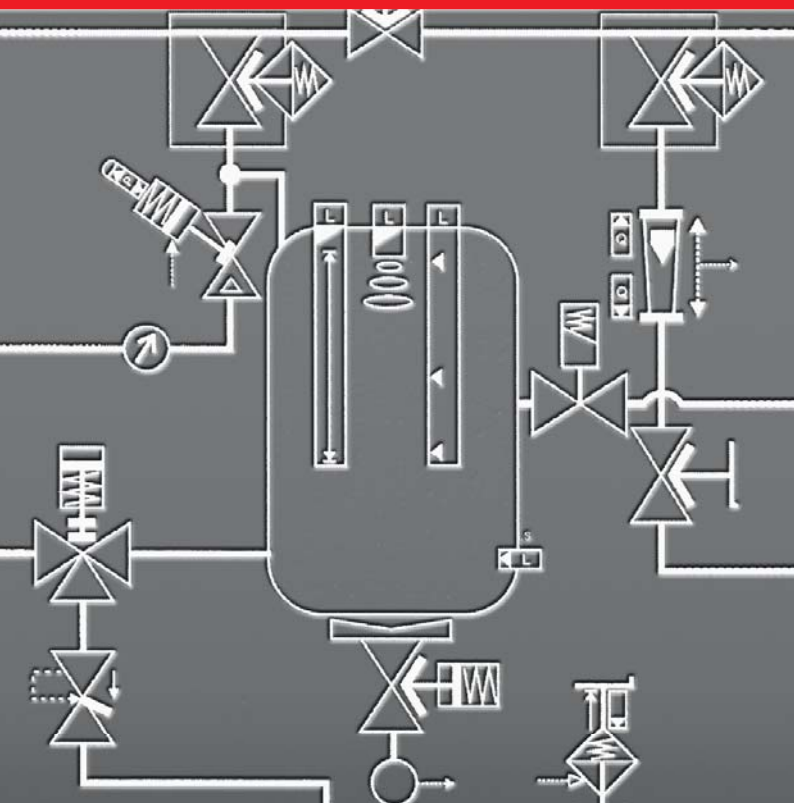
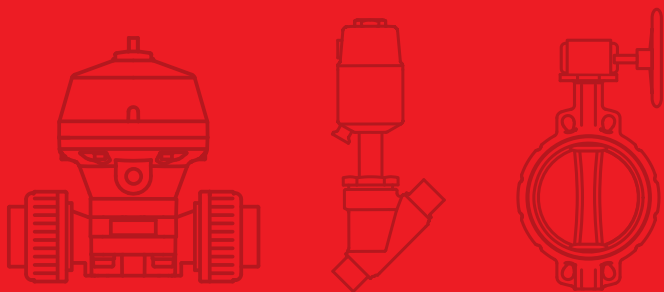


GEMÜ®

VALVES, MEASUREMENT AND
CONTROL SYSTEMS

Valves, Measurement and Control Systems





Innovative technology



The GEMÜ Group is a leading manufacturer of valves, measurement and control systems employing more than 1,500 members of staff worldwide. With six production companies and 27 subsidiaries as well as a large distributor network in more than 50 world markets, we are present on all continents. GEMÜ is the world market leader for sterile valve applications in the pharmaceutical and biotechnology industries.

The GEMÜ range of services for complex system solutions

Valves, measurement and control systems from GEMÜ are used successfully in process engineering and allied fields of activity in the following industrial sectors:

- *Pharmaceutical, biotechnology and cosmetics industries*
- *Food and beverage industries*
- *Chemical industry and environmental systems*
- *Power generation*
- *Water treatment*
- *Processing industry*
- *Microelectronics and semiconductor industries*
- *Medical systems*

The broad-based modular system and adapted automation components by GEMÜ enable more than 400,000 product versions.

Weir / Full bore diaphragm valves metal



Nominal sizes: DN 4 to 300

Operating pressure: 0 to 10 bar

Media temperature: -10 to 100 °C

Body materials: Cast iron, SG iron, cast steel, brass, stainless steel, lined with hard or soft rubber, PP, PFA, PVDF, ECTFE etc.

Body configuration: Straight through body (2/2-way valve), T valve (3/2-way valve), multi-port valves (individual)

Operator: Manual, pneumatic, motorized



Diaphragm valves

for pharmaceutical, foodstuff and biotechnology industries

Nominal sizes: DN 4 to 150

Operating pressure: 0 to 10 bar

Media temperature: -10 to 100 °C

Sterilisation temperature: up to 150 °C

Body materials: Stainless steel (investment casting, forged body, block material), special materials

Body configuration: Straight through body (2/2-way valve), T valve (3/2-way valve), tank valve (B600), welding configurations (GMP-SAP valve configurations, W600), multi-port valves (M600)

Operator: Manual, pneumatic, motorized



Globe and control valves *plastic and metal*



Nominal sizes: DN 6 to 150

Operating pressure: 0 to 40 bar

Media temperature: -10 to 180 °C (option: up to 300 °C)

Body materials: PVC-U, PVDF, cast iron, cast steel, cast bronze, stainless steel

Body configuration: Straight through body (2/2-way valve), multi-port valves (3/2-way valve), also in battery design

Operator: Manual, pneumatic, motorized



Butterfly valves metal



- Nominal sizes:** DN 15 to 1600
- Operating pressure:** 0 to 16 bar
- Pressure rating:** up to PN 16
- Media temperature:** -60 to 210 °C
- Body materials:** Brass, cast iron, SG iron, cast steel, stainless steel
- Body configuration:** Straight through body (2/2-way valve)
- Operator:** Manual, pneumatic, motorized
- Special version:** Check valves DN 32 to 600, brass, stainless steel



Ball valves metal



Nominal sizes: DN 8 to 100

Operating pressure: 0 to 63 bar

Media temperature: -20 to 180 °C

Body materials: Stainless steel

Body configuration: 2/2-way body (2/2-way valve),
T valve (3/2-way valve)

Operator: Manual, pneumatic, motorized



Process solenoid valves *metal*



Nominal sizes: DN 2 to 50

Operating pressure: 0 to 12 bar

Media temperature: -10 to 90 °C

Body materials: Brass, stainless steel

Body configuration: Straight through body (2/2-way valve)

Operator: Electromagnetically directly controlled
or servo assisted



Diaphragm valves

plastic



Nominal sizes: DN 10 to 100

Operating pressure: 0 to 10 bar

Media temperature: -10 to 80 °C

Body materials: PVC, ABS, PP, PVDF, PFA,
inliner PP-H/outliner PP reinforced

Body configuration: Straight through body (2/2-way valve),
T valve (3/2-way valve), multi-port
valves in PVC-U, PP and PVDF
on request

Operator: Manual, pneumatic, motorized



Butterfly valves

plastic

- Nominal sizes:** DN 15 to 300
- Operating pressure:** 0 to 6 bar
- Pressure rating:** up to PN 10
- Media temperature:** 0 to 90 °C
- Body materials:** PVC-U, PES
- Body configuration:** Straight through body (2/2-way valve)
- Operator:** Manual, pneumatic, motorized
- Special version:** Check valves DN 32 to DN 600 in PVC, PP, PVDF



Ball valves

plastic



Nominal sizes: DN 10 to 100

Operating pressure: 0 to 16 bar

Media temperature: -10 to 50 °C

Body materials: PVC, PP, PVDF, ABS

Body configuration: Straight through body (2/2-way valve),
T valve (3/2-way valve)
with T- and L-ball

Operator: Manual, pneumatic, motorized



Process solenoid valves *plastic*



Nominal sizes: DN 2 to 50

Operating pressure: 0 to 6 bar

Media temperature: -20 to 60 °C

Body materials: PVC-U, PVDF

Body configuration: Straight through body
(2/2-way valve)

Operator: Electromagnetically directly controlled
or servo assisted



High Purity fittings, pressure measurement systems and flowmeters



FlareStar®

*PFA fittings DN ¼" to 1 ¼",
union nuts in PFA, PVDF
(CPFA on request)*

HydraLine®

Pressure measurement devices with
PFA pressure transmitter, transmission
fluid and dry solution available

TubeStar

PFA tube DN ¼" to 1 ¼"

SonicLine®

*Ultrasonic flowmeter
¾" to 1"
0.06 l/min to 120 l/min*



Pilot valves / Valve manifolds



Nominal sizes: DN 1 to 7

Operating pressure: 0 to 10 bar

Media temperature: -10 to 50 °C

Body materials: PBTP, PPS, Aluminium

Body configuration: 3/2-way, 4/2-way, 5/2-way, 5/3-way

Operator: Electromagnetically directly controlled or servo assisted



Display units

for limiting values and measured values



Pressure measurement systems

Pressure transducer, pressure measurement device, differential pressure transducer, differential pressure measurement device

Flow measurement systems for volumetric flow and flow rates

Flowmeters (variable area principle), magnetically inductive flowmeter, flow transmitter (turbine measurement principle)

Level measurement systems

Float

Temperature measurement systems

Temperature transmitter, temperature measurement device PT100



Electrical position indicators

- For monitoring linear and quarter turn valves
- Mechanical switches and proximity switches
- Monitoring of set limiting values and/or continuous valve position feedback
- New "self-learning" generation, i.e. manual or automatic programming of switch points during initialisation
- Combi switchboxes with integrated pilot valve
- ATEX versions
- Versions with fieldbus capability



Positioners and process controllers

- 3-point controller for position control of motorized valves
- Electro-pneumatic positioner for pneumatically operated valves with quarter turn or linear actuators
- Electro-pneumatic process controllers for pneumatically operated valves for precise temperature, pressure, flow and level control
- Direct and remote mounting
- Versions with fieldbus capability



Fieldbus products and accessories

- AS-Interface master as controller
- AS-Interface master with integrated Profibus-DP/ControlNet gateway
- AS-Interface power supply unit
- AS-Interface connectors and extension plug
- Combi switchboxes for AS-Interface, DeviceNet
- AS-Interface flat and programming cable
- Further products and versions on request





We would be happy to advise you on our comprehensive product range, as well as our highly efficient system solutions.

Get in touch with us so that we can tell you about the advantages and possibilities of the GEMÜ product range.

We can send you detailed product data-sheets and descriptions of selected applications upon request.



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