



Innovative technology

The GEMÜ Group is a leading manufacturer of valves, measurement and control systems employing over 1900 members of staff worldwide. With six manufacturing sites and 27 subsidiaries, as well as a large network of commercial partners, GEMÜ is now active in over 50 countries on all continents.

Reorganized – for even greater proximity to our customers

With our wide product range, we offer solutions for the most varied customer groups. We work close to the customer in our strategic business units:

- Pharma, Food & Biotech
- Industry
- Semiconductor
- Service
- Medical

The widely positioned modular system and the adapted automation components enable us to combine individualized standard products and customized solutions to create a large number of different configurations and variants.

Weir / Full bore diaphragm valves made of metal

Technical specifications*

Nominal sizes: DN 4 to 300

Operating pressure: 0 to 10 bar

Media temperature: -10 to 150 °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 valve (individual)

Operator: Manual, pneumatic, motorized



* depending on version and/or operating parameters

Diaphragm valves for pharmaceutical, foodstuff and biotechnology industries

Technical specifications*

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:	2/2-way body (2/2-way valve), T valves (3/2-way valves), tank valves (B600), valve configurations (i-bodies GMP/SAP configurations, W600 welding configurations), multi-port valves (M600)
Operator:	Manual, pneumatic, motorized



* depending on version and/or operating parameters

Globe and control valves made of plastic and metal

Technical specifications*

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, SG iron
Body configuration:	Straight through body (2/2-way valve), multi-port valves (3/2-way valve), also in battery design
Operator:	Manual, pneumatic, motorized



* depending on version and/or operating parameters

Butterfly valves made of metal

Technical specifications*

Nominal sizes:	DN 20 to 1600
Operating pressure:	0 to 16 bar
Pressure rating:	Up to PN 16
Media temperature:	-60 to 200 °C
Body materials:	Brass, 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 made of brass, stainless steel



* depending on version and/or operating parameters

Ball valves made of metal

Technical specifications*

Nominal sizes:	DN 8 to 100
Operating pressure:	0 to 137 bar
Media temperature:	-20 to 180 °C
Body materials:	Stainless steel
Body configuration:	2/2-way body (2/2-way valves), T valve (3/2-way valves)
Operator:	Manual, pneumatic, motorized



* depending on version and/or operating parameters

Process solenoid valves made of metal

Technical specifications*

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



* depending on version and/or operating parameters

Diaphragm valves made of plastic

Technical specifications*

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



* depending on version and/or operating parameters

Butterfly valves made of plastic

Technical specifications*

Nominal sizes:	DN 15 to 300
Operating pressure:	0 to 10 bar
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 600 made of PVC, PP, PVDF



* depending on version and/or operating parameters

Ball valves made of plastic

Technical specifications*

Nominal sizes:	DN 10 to 100
Operating pressure:	0 to 16 bar
Media temperature:	-10 to 100 °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-port
Operator:	Manual, pneumatic, motorized



* depending on version and/or operating parameters

Process solenoid valves made of plastic

Technical specifications*

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



* depending on version and/or operating parameters

High Purity valves

for the semiconductor production, solar energy and pharmaceutical industries

Technical specifications*

Series:	CleanStar (PFA, PVDF, PP) PurePlus (PVDF, PFA) iComLine (PTFE, PFA)
Nominal sizes:	DN 4 to 100 (¼" to 4")
Operating pressure:	0 to 10 bar
Media temperature:	-20 to 180 °C
Body materials:	PFA, PFA-HP Inliner - PVDF Outliner, PVDF, PP, PTFE, PVC
Body configuration:	Straight through body (2/2-way), T valves /3/2-way), multi-port valve blocks
Operator:	Manual, pneumatic



* depending on version and/or operating parameters

High Purity pressure measurement systems, flowmeters, fittings and tubes

Technical specifications*

HydraLine	Pressure measurement devices with PFA pressure transmitter, transmission fluid and dry solution available
SonicLine	Ultrasonic flowmeter 3/8" to 1" 0.06 l/min to 120 l/min
FlareStar	PFA tube fittings DN 1/4" to 1 1/4", PFA weld fittings DN 1/4" to 2", union nuts made of PFA, PVDF (CPFA on request)
TubeStar	PFA tubing DN 1/4" to 1 1/4"



* depending on version and/or operating parameters

Pilot valves / Valve manifolds

Technical specifications*

Nominal sizes:	DN 1 to 7
Operating pressure:	0 to 10 bar
Media temperature:	-10 to 50 °C
Body materials:	PBTP, PPS, aluminium, brass
Body configuration:	3/2-way, 4/2-way, 5/2-way, 5/3-way
Operator:	Electromagnetically directly controlled or servo assisted



* depending on version and/or operating parameters

Sensors and display units

Display units for limiting values and measured values

Technical specifications*

Pressure measurement systems

Pressure switches

Flow measurement systems for volumetric flow and flow rates

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

Temperature measurement systems

Temperature transducer, temperature measurement device PT100



* depending on version and/or operating parameters

Electrical position indicators

Features

- 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 field bus capability



Positioners and process controllers

Features

- 3-point controller for position control of motorized valves
- Electro-pneumatic positioners 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
- Directly mounted or remote mounting
- Versions with field bus capability



Fieldbus products and accessories

Features

- 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 datasheets and descriptions of selected applications upon request.



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