STRIX

Engineering in field of water treatment (pharmaceutical water, drinking water, water for boilers, cooling towers and swimming pools), wate water and waste air treatment, warehouses for hazardous substances, closing systems, trading

GEMÜ® VALVES, MEASUREMENT AND CONTROL SYSTEMS

All from a single source

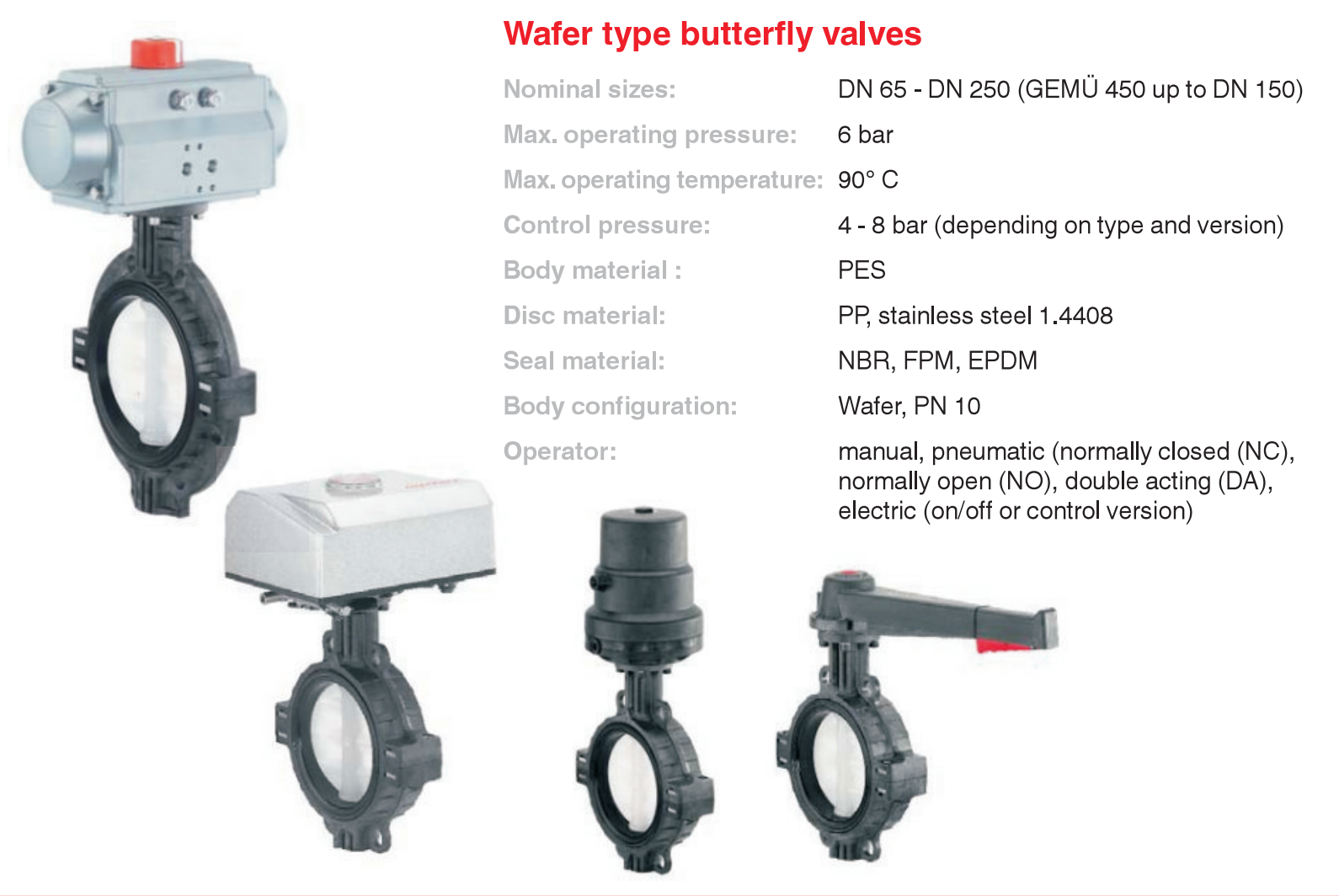
Wafer pattern butterfly valve GEMÜ 480/S480 Victoria

Nominal sizes:	DN 25 – DN 1400
Max. operating pressure:	up to 16 bar (dependent on version)
Max. operating temperature:	200° C (dependent on version)
Body material :	Cast iron GG25 (Epoxy coated), SG iron GGG40, SG iron GGG40 (Epoxy coated), Cast steel GS-C25 (DN 50-600), Stainless steel 1.4408 (DN 50-600)
Disc material:	SG iron GGG40 (DN 25-700), SG iron GGG40 (Epoxy coated - DN 800-1400), SG iron GGG40 (chromium coated), Stainless steel 1.4408, Stainless steel 1.4408 (polished), Stainless steel 1.4408 (Halar coated), Uranus, Aluminium bronze, Hastelloy
Seal material:	EPDM HT, EPDM white, Nitrile white, Natural rubber, Nitrile, Nitrile Carboxylite, Butyl, Hypalon®, Silicone, Silicone for steam, Silicone for foodstuff, FPM
Body configuration:	Wafer and Lug, PN 6, PN 10, PN 16, PN 25
ATEX:	available
Operator:	manual, GEMÜ 487 Victoria, pneumatic, GEMÜ 481 Victoria, motorized, GEMÜ 488 Victoria

Wafer pattern butterfly valve GEMÜ 490

Nominal sizes:	DN 40 – DN 900
Max. operating pressure:	10 bar
Operating temperature:	-20 to +200°C
Body material :	Stainless steel 316L, GGG40 Epoxy coated, steel S355J2G3, Duroplast (VE-CF)
Disc material:	Stainless steel 316L, PFA encapsulated, Titanium Grade 2, Hastelloy C22
Seal material:	TFM™ / Silicone, TFM™ / EPDM, TFM™ / VITON
Body configuration:	Wafer, lug
ATEX:	with conductive materials for disc and liner
Operator:	manual, GEMÜ 497, pneumatic, GEMÜ 491, motorized, GEMÜ 498

All from a single source



Wafer type butterfly valves

Nominal sizes:	DN 65 - DN 250 (GEMÜ 450 up to DN 150)
Max. operating pressure:	6 bar
Max. operating temperature:	90° C
Control pressure:	4 - 8 bar (depending on type and version)
Body material :	PES
Disc material:	PP, stainless steel 1.4408
Seal material:	NBR, FPM, EPDM
Body configuration:	Wafer, PN 10
Operator:	manual, pneumatic (normally closed (NC), normally open (NO), double acting (DA), electric (on/off or control version)

Wafer pattern butterfly valve DESPONIA / DESPONIA PLUS

Nominal sizes:	DN 25 - DN 1400 (Desponia Plus up to DN 600)
Max. operating pressure:	up to 16 bar (dependent on version)
Max. operating temperature:	200° C (dependent on version)
Body material :	Cast iron GG25 (Epoxy coated), SG iron GGG40 (Rilsan® coated), SG iron GGG40 (Epoxy coated), Cast steel GS-C25 (DN 50-600), Stainless steel 1.4408 (DN 50-600)
Disc material:	SG iron GGG40 (Rilsan® coated - DN 25-700), SG iron GGG40 (Epoxy coated - DN 800-1400), SG iron GGG40 (chromium coated), Stainless steel 1.4408, Stainless steel 1.4408 (polished), Stainless steel 1.4408 (Halar coated), Uranus, Aluminium bronze, Hastelloy
Seal material:	EPDM HT, EPDM white, Nitrile white, Natural rubber, Nitrile, Nitrile Carboxylite, Butyl, Hypalon®, Silicone, Silicone for steam, Silicone for foodstuff, FPM
Body configuration:	Wafer and Lug, PN 6, PN 10, PN 16, PN 25
ATEX:	available
Operator:	manual, pneumatic, motorized

Double eccentric butterfly valve GEMÜ 470

Nominal sizes:	DN 50 – DN 400
Max. operating pressure:	50 bar
Max. operating temperature:	600° C
Body material :	Cast steel 1.1141, stainless steel 1.4404
Disc material:	Stainless steel 1.4404
Seal material:	PTFE seal, Fire-Safe, metal seal, PEEK
Body configuration:	Wafer and Lug
ATEX:	available
Operator:	manual, GEMÜ 477, pneumatic, GEMÜ 471, motorized, GEMÜ 478
Supply voltage:	12/24 V DC 50/60 Hz, 100-250 V AC 50/60 Hz

Check valve GEMÜ RSK, plastic

Nominal sizes:	DN 40 – DN 300
Max. operating pressure:	10 bar
Body material :	PVC-U, PP, PVDF
Disc material:	PVC-U, PP, PVDF
Seal material:	Nitrile, EPDM, FPM, PTFE
Body configuration:	Wafer
Return spring:	Stainless steel 1.4571, Hastelloy

Check valve GEMÜ RSK, metal

Nominal sizes:	DN 40 – DN 600
Max. operating pressure:	16 bar
Body material :	Stainless steel 1.4305, stainless steel 1.4571, brass, aluminium, cast bronze
Disc material:	Stainless steel 1.4305, stainless steel 1.4571, brass
Seal material:	Nitrile, EPDM, FPM, PTFE
Body configuration:	Wafer
Return spring:	Stainless steel 1.4571, Hastelloy

Weir / Full bore diaphragm valves, metal

Nominal sizes:	DN 4 – DN 300
Operating pressure:	0 - 10 bar (up to PN 16)
Operating temperature:	-10 to 160°C
Body material:	Cast iron, SG iron, cast steel, brass, stainless steel, lined with hard or soft rubber, PP, PFA, PVDF, ECTFE etc.
Seal material:	EPDM, FPM, PTFE
Body configuration:	Straight through body (2/2-way valve), T valve (3/2-way valve), multi-port valves (individual)
Operator:	manual, pneumatic, motorized

All from a single source

Ball valves, metal

Nominal sizes:	DN 8 – DN 100
Operating pressure:	0 - 63 bar (up to PN 63)
Operating temperature:	-28 to 180°C
Body material:	Stainless steel
Seal material:	PTFE
Body configuration:	Straight through body (2/2-way valve), T valve body (3/2-way valve)
Operator:	manual, pneumatic, motorized

Globe and control valves, plastic and metal

Nominal sizes:	DN 8 – DN 150
Operating pressure:	0 - 25 bar (option: up to 40 bar; up to PN 40)
Operating temperature:	-10 - 180°C (option: up to 300°C)
Body material:	PVC-U, PVDF, cast iron, cast steel, cast bronze, stainless steel
Seal material:	PTFE, PEEK, steel
Body configuration:	Straight through body (2/2-way valve, 3/2-way valve), multi-port valves (also in battery design)
Operator:	manual, pneumatic, motorized

Diaphragm valves, plastic

Nominal sizes:	DN 10 – DN 100
Operating pressure:	0 - 10 bar (up to PN 10)
Operating temperature:	-10 to 90°C
Body material:	PVC-U, ABS, PP, PVDF, PFA, Inliner PP-H/outliner PP reinforced
Seal material:	EPDM, FPM, PTFE
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

Ball valves, plastic

Nominal sizes:	DN 15 – DN 100
Operating pressure:	0 - 16 bar (up to PN 16)
Operating temperature:	0 to 120°C
Body material:	PVC-U, PP, PVDF
Seal material:	PTFE
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, metal

Nominal sizes:	DN 8 – DN 50
Operating pressure:	0 - 16 bar (up to PN 16)
Operating temperature:	-10 to 90°C
Body material:	Brass, stainless steel
Body configuration:	Straight through body (2/2-way valve)
Operator:	Electromagnetically servo assisted

Process solenoid valves, plastic

Nominal sizes:	DN 2 – DN 50
Operating pressure:	0 - 6 bar (up to PN 6)
Operating temperature:	0 to 60°C
Body material:	PVC-U, PVDF
Body configuration:	Straight through body (2/2-way valve)
Operator:	Electromagnetically directly controlled or servo assisted

All from a single source

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
- Field bus capable (Profibus, DeviceNet)

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 field bus capability

Field bus products and accessories

- AS-Interface master 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

Operators for quarter turn and linear valves

For use with butterfly, ball, diaphragm, globe and gate valves

Operator:	Pneumatic piston quarter turn actuator (GEMÜ 9415), Pneumatic double piston actuator (DR/SC), Electro-mechanical quarter turn actuator (GEMÜ 9428, GEMÜ 9468), Electro-mechanical linear actuator (GEMÜ 9ASS)
Version:	On/off actuators, control actuators
Torque:	6 – 14,.000 Nm (dependent on version and design)
Connection standard:	Flange acc. to EN ISO 5211
Housing material:	Plastic or aluminium (dependent on version and design)
Explosion protection:	dependent on version and design
Options:	Stroke limiters/limit switches, electrical position indicators, positioners, process controllers, emergency power supply modules etc.

Measurement systems and display units

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	Variable area flowmeter, magnetically inductive flowmeter, flow transmitter (turbine measurement principle)
Level measurement systems	Float, ultrasonic, vibration, capacitance, optical
Temperature measurement systems	Temperature transmitter, temperature measurement device PT100, Field bus capable devices available

Pilot valves / Valve manifolds

Nominal sizes:	DN 1 – DN 7
Operating pressure:	0 - 10 bar
Operating temperature:	-15 to 50°C
Body material:	PA, Aluminium
Body configuration:	3/2-way, 4/2-way, 5/2-way, 5/3-way
Operator:	Electromagnetically directly controlled or servo assisted

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