



ERGOMATIC

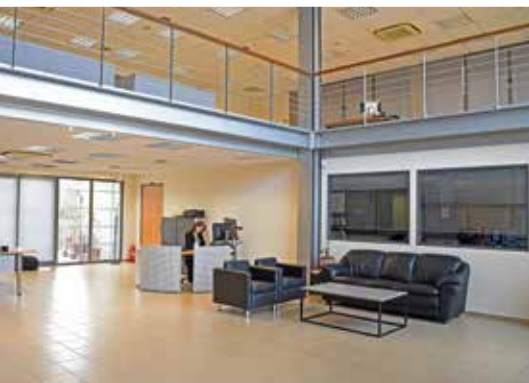
MARINE & INDUSTRIAL EQUIPMENT













ERGOMATIC is an established solution provider in the marine & industrial fields, supplying high quality equipment and integrated automation solutions.

The company has grown rapidly, becoming a worldwide supplier for all kind of valves and piping equipment, as well as automation components and solutions in pneumatic, hydraulic and electronic systems.

Our state of the art facilities, equipped with updated machinery, automation and calibration laboratories, and an expansive warehouse inventory, have played an important role in the expansion of our activities.

ERGOMATIC comprises three departments, commercial, technical, and construction, staffed by well-trained personnel with significant experience in their respective fields.

We are dedicated to providing the highest quality of services to our clients.

ERGOMATIC's philosophy is based around ensuring satisfaction of its customers. We aim to create serious, long lasting collaborations, offering direct and continuous technical support.

The human factor is of paramount importance to us, thus we are committed to providing a stable work environment with equal opportunities for learning and personal growth.

We are constantly motivated to follow upon the requirements of the maritime industry, and keeping up with the IMO regulation revisions.



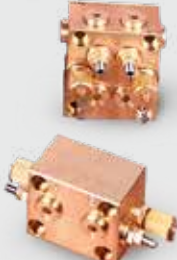
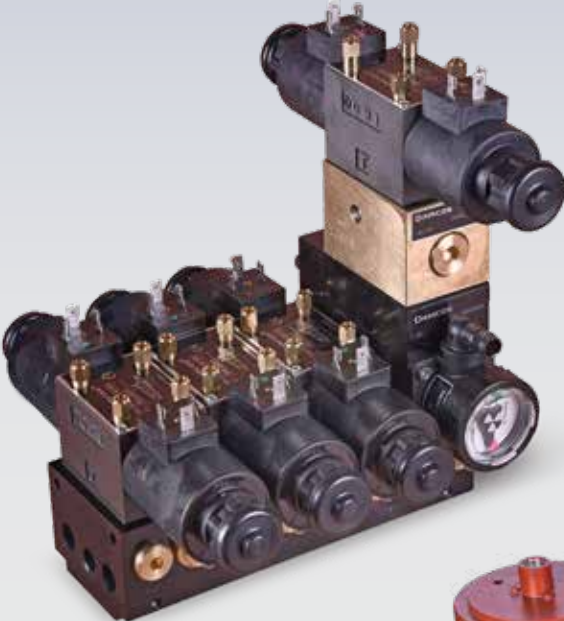
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HYDRAULIC VALVE SYSTEMS



EMERSON™



HYDRAULIC VALVE SYSTEMS

Hydraulically actuated butterfly valves
DN25 to DN1200

Many body types available:
Wafer, Lug, Double & U-flanged,
High-Performance.

Standards:
DIN PN6..40, JIS5K/10K/16K

Hydraulic actuators:
Single & double acting Compact and
adaptable can be fitted in any possible
location

Hydraulic blocks offer various
combination possibilities

Portable & bulkhead hand pumps for
local & remote operation

Design & construction of VRC control
cabinets, up to 120 valve positions
(solenoid valves, valve position
indicators VPI, etc.)

Remote and local position indication,
either ON/OFF or continuous

Multiple levels of operational
redundancy by design

Electro-hydraulic actuators and LPU
systems available for remote operation
and space saving

Hydraulic power units





PNEUMATIC VALVE SYSTEMS

Pneumatically actuated butterfly valves DN25 to DN1200

Many body types available:
Wafer, Lug, Double & U-flanged,
High-Performance.

Body: Cast iron, Ductile iron,
Carbon steel, stainless steel
Disks: Stainless steel 316, Al/bronze,
Super duplex stainless steel
Seat: EPDM, NBR, VITON, PTFE
Standards: DIN PN6..40, JIS 5K/10K/16K

Long-Life Pneumatic actuators
Single & double acting
Rack & pinion design

Limit switch box – Valve position indicator

Namur Solenoid valve 5/2 24V DC
or 220V AC

Smart Electropneumatic positioner
for flow control

Product versions for safe and hazardous
areas (Exd flameproof & Exi I.S.)

Design & construction of control panels
for valve remote control

Production testing and verification of each
and every valve assembly at our premises





PNEUMATIC VALVE SYSTEMS

MANUAL BUTTERFLY VALVES

DN25 to DN1200

Hand-lever operator for small sizes

Manual override gearboxes for all sizes
Declutchable version gearbox in combination with pneumatic actuator

Optional Installation of Limit switch box
(Flameproof Exd version available)

Optional installation of locking device.
Optional installation of reach rod – extension shaft



NAMUR SOLENOID VALVES

3/2 & 5/2 24VDC or 220VAC

Versions for safe and hazardous areas
(Exd flameproof)

Provided with appropriate cable glands and regulating silencers for independent speed control of the valve



VALVE POSITION MONITORING

Valve indication/monitoring is becoming an ever increasing line of products in marine industry.

Our Limit switch boxes enable the end-user to manage and control remotely every application on board.

They can be provided for safe areas and hazardous areas (flame proof versions).

Special kits of limit switch can be customized for any kind of valve on-board

MANUAL OVERRIDE GEARBOXES

Heavy duty construction
Durable powder coat finish
304 stainless steel single piece input shaft and worm with axial needle bearings
Sealed to IP67 with position indicator

ISO mountings as standard
Torque output from 20Nm to 1000Nm

ELECTRICALLY ACTUATED VALVES

Our electric part-turn actuators, are designed for rotary valve applications such as ball, butterfly, and plug valves

- Variety of options are available.
- Lightweight, robust, with high corrosion protection.
- Proportional Control Unit (PCU, modulating) and Local Control Unit (LCU) options
- Maximum output torque up to 3,000 Nm with 24 V dc
- Flameproof (Ex db IIB T4) and dust ignition proof (Ex tb IIIC T135°C) enclosures as an option.
- Manual override in case of emergency.
- Communication (PROFIBUS, MODBUS, CANOpen) options.

ELECTRICALLY ACTUATED VALVES



GLOBE VALVES

BRONZE GLOBE VALVES

Straight & angle globe valves stop & SDNR acc. DIN PN10/16

Straight globe stop valves acc. JIS F7301 5K / F7303 16K

Angle globe stop valves acc. JIS F7302 5K / F7304 16K

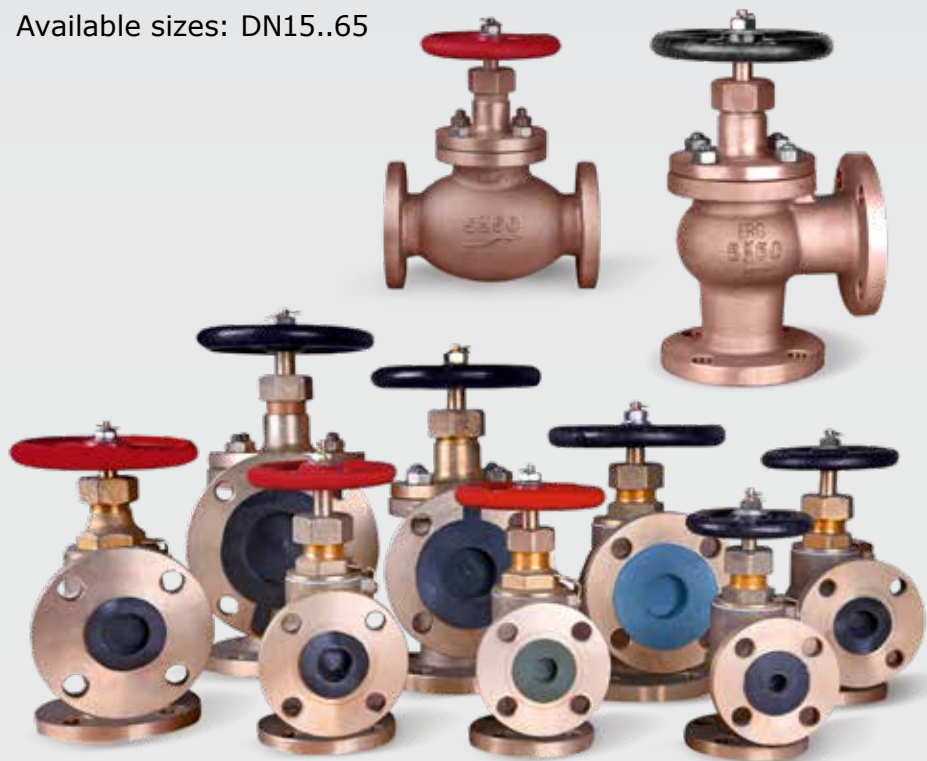
Straight globe SDNR valves acc. JIS F7351 5K / F7409 16K

Angle globe SDNR valves acc. JIS F7352 5K / F7410 16K

Hose valve (fire hydrant) acc. JIS F7352 5K / F7410 10K

Angle hose valve (fire hydrant) acc. JIS F7334A 5K / F7334B 10K

Available sizes: DN15..65



CAST IRON GLOBE VALVES

Angle globe stop valve acc. JIS F7306 5K / F7308 10K / 7310 16K

Angle globe SDNR valve acc. JIS F7354 5K / F7376 10K / 7378 16K

Available sizes: DN50..400

CAST STEEL GLOBE VALVES

Angle globe stop valve according to JIS F7312 5K / F7320 10K / F7314 20K / F7475 30K / F7318 40K with Class Certification

Angle globe SDNR valve acc. JIS F7312C 5K / F7472 10K / 7474 20K with Class Certification

Available sizes: DN50..400



STAINLESS STEEL GLOBE VALVES

Straight globe stop valves acc. DIN PN10/16 – JIS 5K/10K/16K

Straight globe SDNR valves acc. DIN PN10/16 – JIS 5K/10K/16K

Stainless steel straight globe stop & SDNR valves threaded

Straight globe stop valves threaded DN15..50

Straight globe SDNR valves threaded DN15..50



GATE VALVES

Cast iron Rising stem gate valve acc. DIN3202-F5 PN10/16

Cast iron Non-Rising stem gate valve acc. DIN3202-F4 PN10/16

Cast iron Gate valve acc. JIS F7363 5K/ F7364 10K/ F7369 16K

Cast steel gate valve according to JIS F7363C 5K/ F7366 10K with class certificates

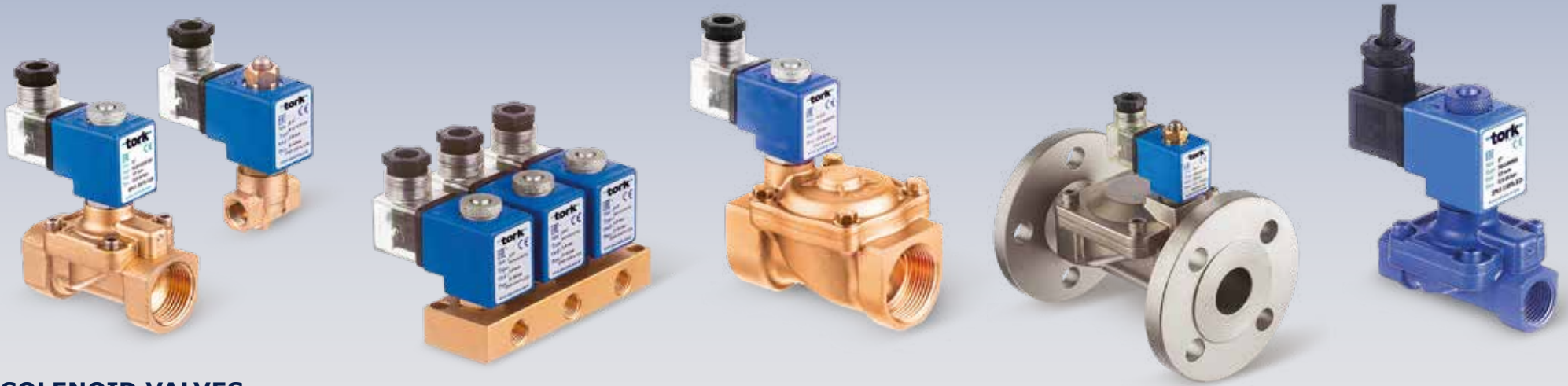


STORM VALVES

Cast steel storm valve vertical type acc. JIS F3060 5K/10K with class certificates

Cast steel storm valve angle type acc. JIS F3060R 5K/10K with class certificates





SOLENOID VALVES

Solenoid valves 2/2 & 3/2 24VDC or 220VAC for air, water, gas, fuel, steam, high pressure, cryogenic applications.

BALL VALVES

Stainless steel 316 / Bronze / Brass Ball valves

Threaded & flanged (2pc & 3pc) acc. to DIN
PN10..63 & JIS 5K/10K/16K

Manual operated

Pneumatic and electrical versions



CHECK VALVES

SWING CHECK VALVES

Bronze swing check valve acc. JIS F7371 5K

Cast iron swing check valve acc. DIN
PN10/16 & JIS F7372 5K / F7373 10K



WAFER CHECK VALVES

Dual plate check valves
Thin wafer swing check valve
Single plate check valves

DN25..700

Body:
Cast iron / stainless steel 316

Disk:
Stainless steel 316 / Alu-bronze
Seat: NBR/EPDM/VITON



PRESSURE REDUCING VALVES

Media: compressed air/water

Body: bronze / stainless steel
316 / cast iron

Ratings: PN6/10/16/25/40, JIS
5K/10K/16K flanged/threaded/
bite union

Pressure range: 0..40bar



AIR VENT HEADS

Cast iron Air Vent Head acc. JIS 5K/10K
Available sizes: DN50..450



VACUUM BREAKER / AIR RELIEF VALVES

A vacuum breaker valve provides reliable and consistent relief of potential vacuum pressure build up in ballast piping, often caused by excessive fall height in pump room or deckhouse bwts installations.

DN50..250 acc. DIN PN10/16 & JIS 5K/10K/16K



AIR TREATMENT SOLUTIONS

Compressed air filters with cartridge equipped with differential gauge & auto-drain

Refrigerated Air Dryers

High quality Drain valves



FLOW METER SENSORS



CORIOLIS FLOW AND DENSITY METERS

Unparalleled measurement sensitivity and stability for bunkering and fuel consumption applications

DN2..300 Sizing

-240°C to 350°C Temperature range

Options in 316L Stainless Steel, C-22 nickel alloy and super-duplex

MAGNETIC FLOW METER SENSORS FOR BWTS APPLICATIONS

DN15..900

Liner: PTFE, ETFE, PFA, Polyurethane, Neoprene, Linatex Natural Rubber

Electrode: 316L Stainless Steel, Nickel Alloy, Platinum, Tantalum, Titanium

Submergence Protection: IP68

Accuracy: up to 0.15%



ELECTRICAL AUTOMATION

Comprehensive range of services,
from design, class approval, to construction
and commissioning of electrical panels

24/7 Technical support

Robust supply chain network, ensuring
rapid production and delivery times.

Applications:

Power Distribution Boards
VFD Inverter Cabinets for pumps
PLC Control panels for process control
Valve control cabinets





SIEMENS



Damcos





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