



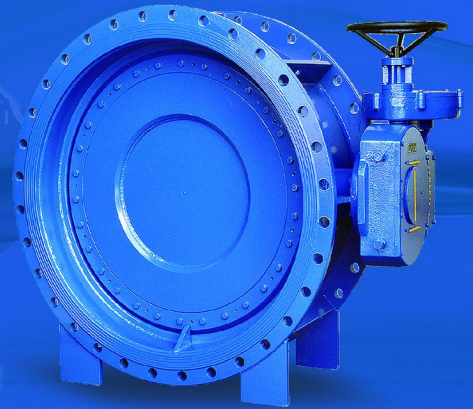
MECHANIC AB

Manufacturere of Industrial Valves

Automatic Control Valves



Butterfly Valves



Needle (Plunger) Valves



Air Valves



Ball Valves

General Catalogue 2019

Howell Bunger Valves





MECHANIC AB

Manufacturer of Industrial Valves





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Manufacturer of Industrial Valves



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Mechanic Ab Corp. was established in 1990 with the aim of designing and manufacturing the industrial Valves for Industry. This company has a several manufacturing shops with the area of 20000 Square Meters, and employees more than 200 professional and skilled personnel in order to manufacture the most professional industrial Valves such as Ball Valves, Vertical Sleeve Valves, Howell Banger Valves, Needle Valves, Butterfly Valves, Check Valves and Air Valves. In terms of quality, the products of this company are comparable with the European and American Counterparts. Our range of products overs sizes up to 3000mm and working pressure up to 63 bar.

This company uses a Quality Management System based on the ISO 9001 Standard, and was successful in taking the *TÜV NORD* Certificate from Germany. Implementation of such a system in order to improve the processes of the organization continuously, leads to increase the satisfaction of the customers and obtaining the more market share by the company.

All of the products of this company and Guaranteed for long time maintenance free operation.



MECHANIC AB

Manufacturer of Industrial Valves



Vertical Lathe Machine
Machining Dia. up to 3400mm
Part Weight up to 16000 Kg

Assembly Line



Welding Station



HydroDynamic Test Unit



Coating Oven Unit
Part Weight Up to 10.000 Kg
Dimensions: 3500x3500x3500



Shot-Blasting Unit
Part Weight Up to 10.000 Kg



Electro-Static Painting and Coating





CERTIFICATE

Management system as per
ISO 9001 : 2015

In accordance with TÜV NORD CERT procedures, it is hereby certified that

MECHANIC AB Co.

**3rd East 20-Meter Ave., North Rajaei
Industrial Zone, Azarshahr Road,
Tabriz, Iran**



applies a management system in line with the above standard for the following scope

**Design and Manufacturing Valves, Fitting and Pipe Joints for
Water Industries With Different Sizes From 50mm to 3000mm
and Pressure From 6 Bar to 63 Bar**

Certificate Registration No. **44 100 095994**
Audit Report No. **0656 100 R 19436**

Valid from **2019-07-13**
Valid until **2022-07-12**
Initial certification **2010**

M.A.Ahmadi

Certification Body
at TÜV NORD CERT GmbH

Tehran, **2019-07-13**

This certification was conducted in accordance with the TÜV NORD CERT auditing and certification procedures and is subject to regular surveillance audits.

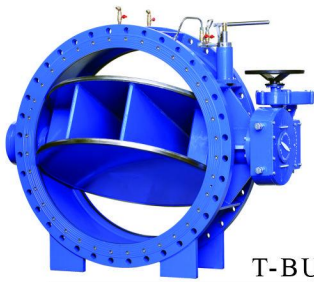
TÜV NORD CERT GmbH

Langemarkstraße 20

45141 Essen

www.tuev-nord-cert.com





T-BUTTERFLY VALVES



AUTOMATIC CONTROL VALVES



DUCTILE CAST IRON BUTTERFLY VALVES



AIR VALVES



FABRICATED STEEL BUTTERFLY VALVES



PUMP CONTROL VALVES



WAFER BUTTERFLY VALVES



LUG TYPE BUTTERFLY VALVES



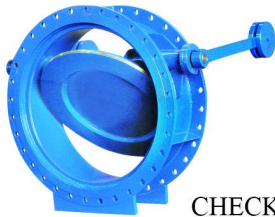
HYDRAULIC BUTTERFLY VALVES (BURST SAFETY VALVES)



NEEDLE (PLUNGER) VALVES



CHECK VALVES, LIFTING TYPE



CHECK VALVES, TILTING DISK



NOZZLE CHECK VALVES



BALL VALVES



PNEUMATIC GATE VALVES



GLOBE VALVES, FOR CONTROLLING PRESSURE & FLOW



HOWELL BUNGER VALVES



VERTICAL SLEEVE VALVES

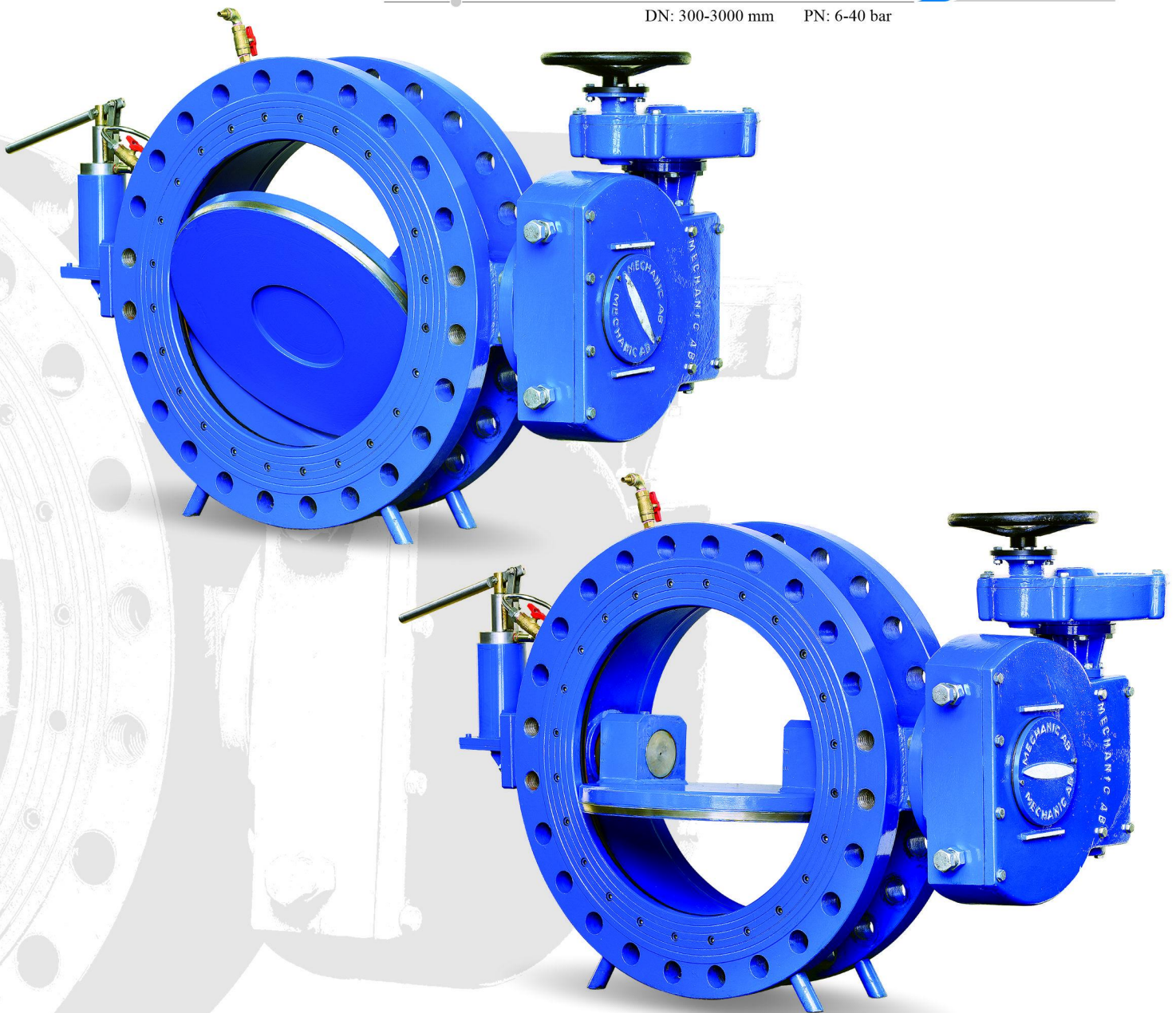


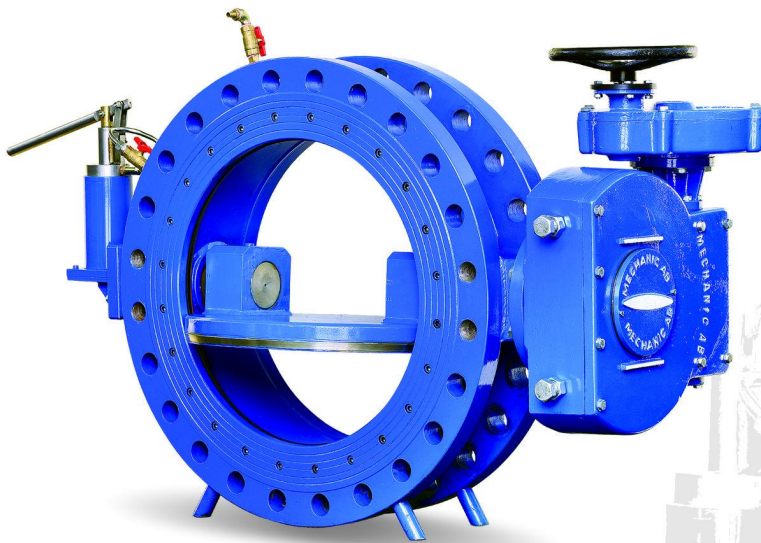
MECHANIC AB

Manufacturer of Industrial Valves

SINGLE SEAL T.BUTTERFLY VALVES

DN: 300-3000 mm PN: 6-40 bar





T-type Butterfly valve

Contractible seal butterfly valve is a on/off valve in fluid transport systems. That resolves problems of regular double flange butterfly valve, such as:

- Need for high operation Torque
- Leakage due to minor damage to rubber seal
- Need of bypass line for operating large diameter sizes

Operation principle of this valve is using a contractible rubber seal in the body which has no contact with the disk during operation. for seal process hydrostatic pressure is applied in the sealing system which contracts rubber seal toward the disk and seal the fluid flow.

Technical properties

- Centric Body and Disk aligned
- Replaceable and Seamless Sealling Rubber
- Long life span in comparison to regular flanged butterfly valves
- Perfect both side sealing
- Less operation Torque in comparison to regular flanged butterfly valves
- No need to bypass line for balancing pressure between both sides of disk.
- No Abrasion and contact between disk and rubber during open/close operation
- Sealing not affected to rubber damage
- Less weight in comparison to regular flanged butterfly valves
- Can be installed at any angle on pipeline
- Gearbox output flange according to ISO5211
- Gearbox Seating flange according to ISO5210
- Final Test according to ISO5208 or DIN EN 12266
- Face-to-Face according to DIN EN 558-1, series 13 or 14
- Flanges according to DIN EN1092 or ISO7005
- Stainless Steel Fasteners
- ElectroStatic Epoxy coating
- Body Material: Steel or Cast Iron



MECHANIC AB

Manufacturer of Industrial Valves

DOUBLE SEAL T.BUTTERFLY VALVES

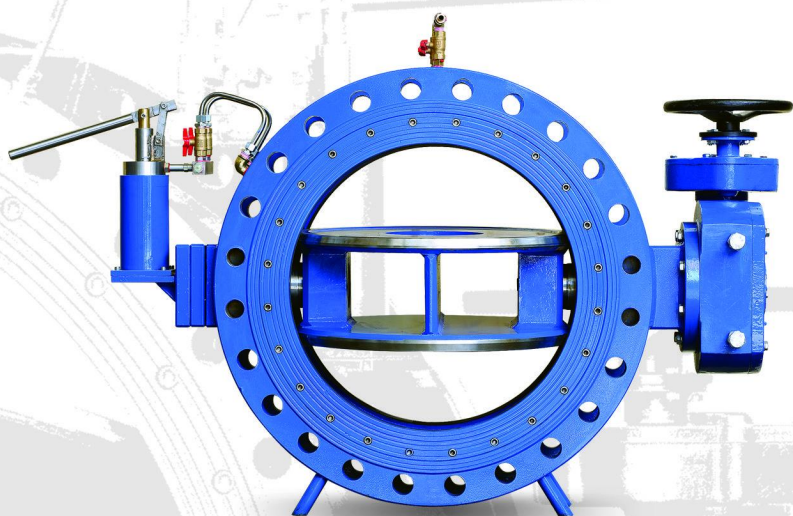
DN: 300-3000 mm PN: 6-40 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

Double Seal Double Seat T-type Butterfly valve

Extra to the Single seat T-type butterfly valves, this type benefits obtaining two separate seals and seats.



Technical properties

- Obtaining two separate operatable Seals and Disks
- Ability to replace one rubber seal without draining the pipeline
- Centric Body and Disk aligned
- Replaceable and Seamless Sealling Rubber
- Long life span in comparison to regular flanged butterfly valves
- Perfect both side sealing
- Less operation Torque in comparison to regular flanged butterfly valves
- No need to bypass line for balancing pressure between both sides of disk.
- No Abrasion and contact between disk and rubber during open/close operation
- Sealing not affected to rubber damage
- Less weight in comparison to regular flanged butterfly valves
- Can be installed at any angle on pipeline
- Gearbox output flange according to ISO5211
- Gearbox Seating flange according to ISO5210
- Final Test according to ISO5208 or DIN EN 12266
- Face-to-Face according to DIN EN 558-1, series 13 or 14
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- Stainless Steel Fasteners
- ElectroStatic Epoxy coating
- Body Material: Steel or Cast Iron

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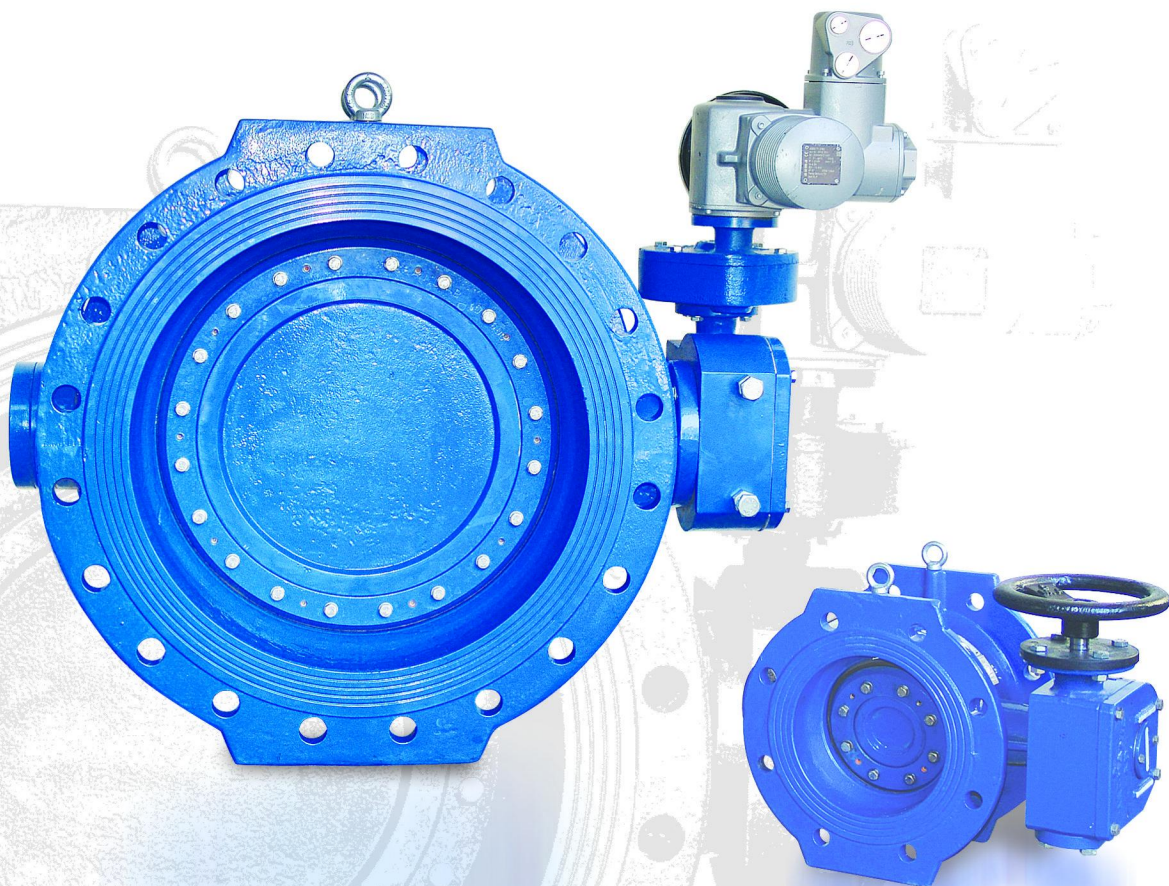
T-Butterfly valve hydrostatic pressure test DN:700 mm , PN:40 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

DUCTILE CAST IRON BUTTERFLY VALVES

DN: 100-3000 mm PN: 6-25 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

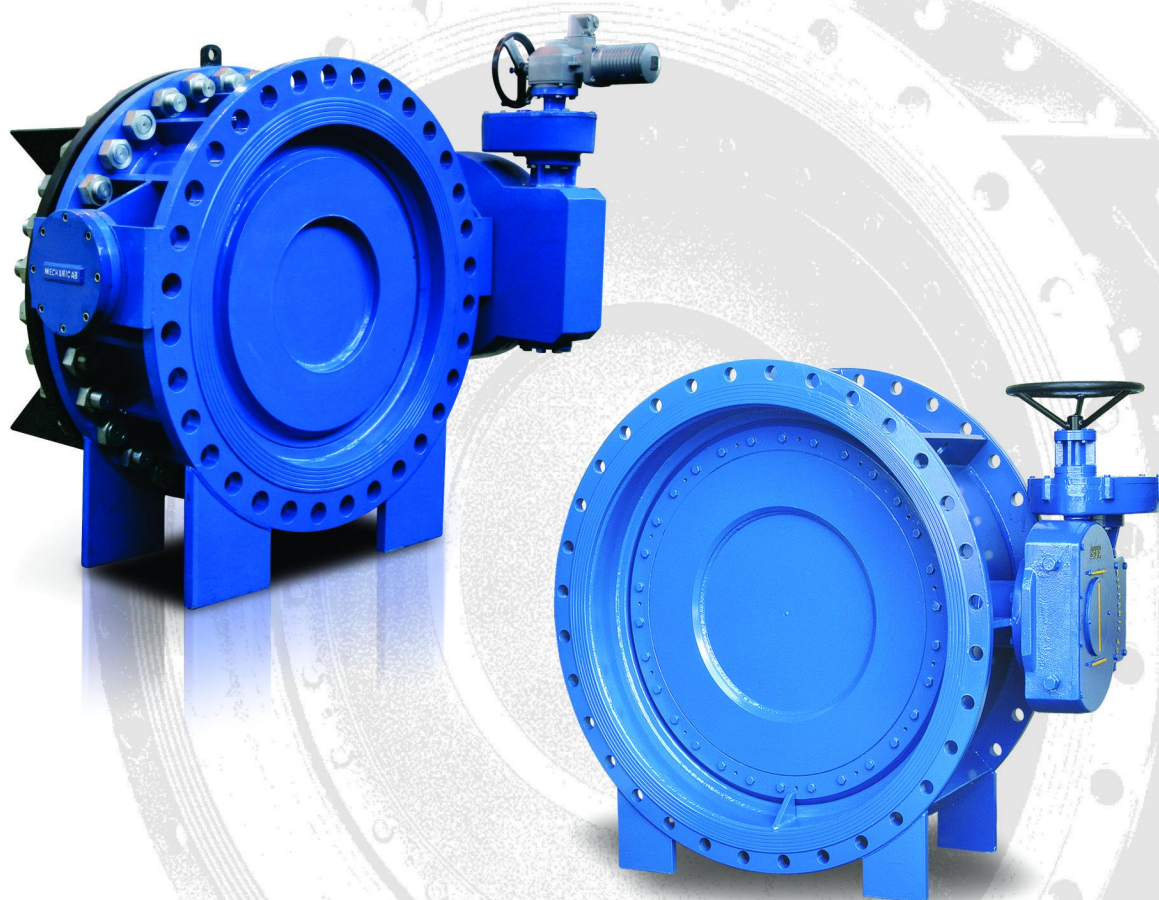


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FABRICATED STEEL BUTTERFLY VALVES

DN: 100-3000 mm PN:6-63 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



WAFER BUTTERFLY VALVES

DN: 50-600 mm PN: 10-16 bar



LUG TYPE BUTTERFLY VALVES

DN: 50-600 mm PN: 10-16 bar

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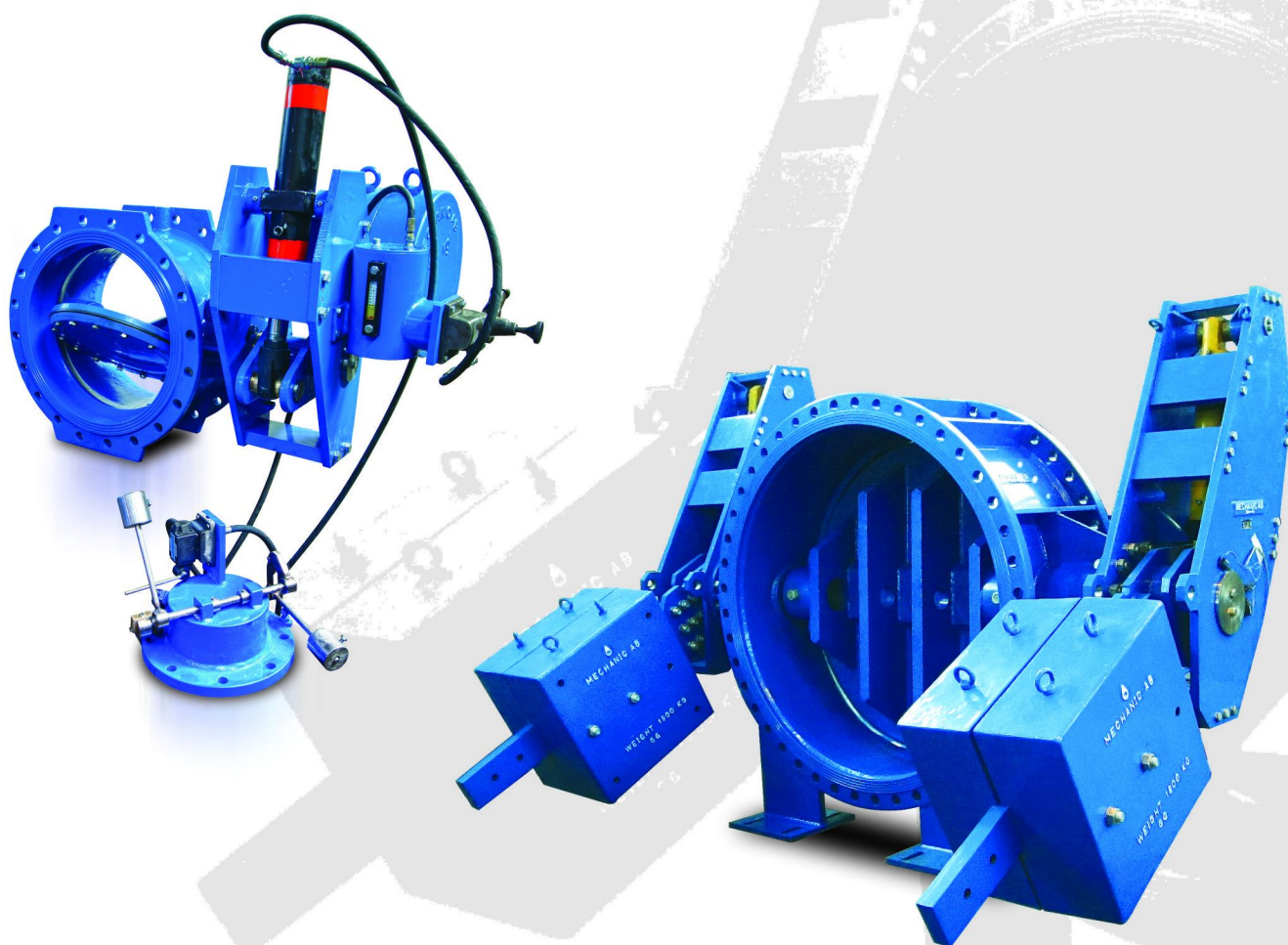


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HYDRAULIC BUTTERFLY VALVES (BURST SAFETY VALVES)

DN: 250-3000 mm PN:6-40 bar



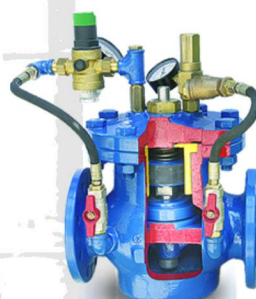
All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

AUTOMATIC CONTROL VALVES

DN: 50-1000 mm PN: 6-40 bar



SURGE RELIEF VALVES



PRESSURE REDUCING VALVES



PUMP CONTROL VALVES



RATE OF FLOW CONTROL VALVES



ALTITUDE (LEVEL CONTROL) VALVES



PRESSURE SUSTAINING VALVES

SOLENOID CONTROL VALVES

CHECK VALVES, PILOT OPERATED

MANUAL ON-OFF VALVES

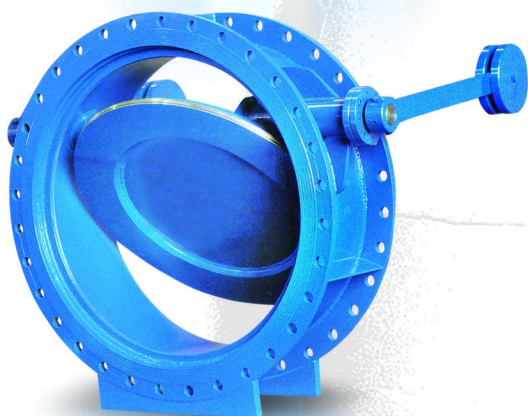
COMBINATION CONTROL VALVES

All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



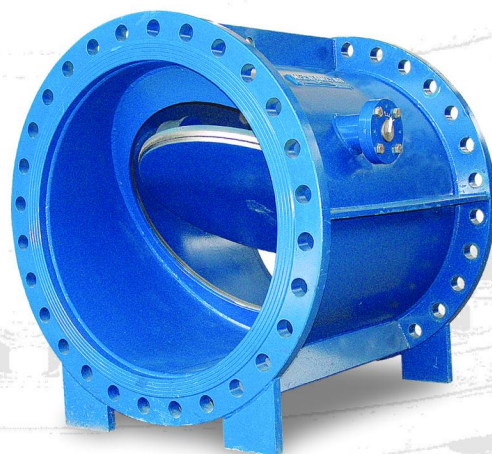
CHECK VALVES, LIFTING TYPE

DN: 80-1000 mm PN: 6-63 bar



CHECK VALVES, TILTING DISK

DN: 200-3000 mm PN: 6-63 bar



SLANTED SEAT TILTING DISK, CHECK VALVES

DN: 200-3000 mm PN: 6-63 bar

All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

NOZZLE CHECK VALVES

DN: 300-1000 mm PN:10-63 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

GLOBE VALVES, FOR CONTROLLING PRESSURE & FLOW

DN: 50-1000 mm PN: 6-63 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



VERTICAL SLEEVE VALVES

DN: 400-2000 mm PN: 6-25 bar



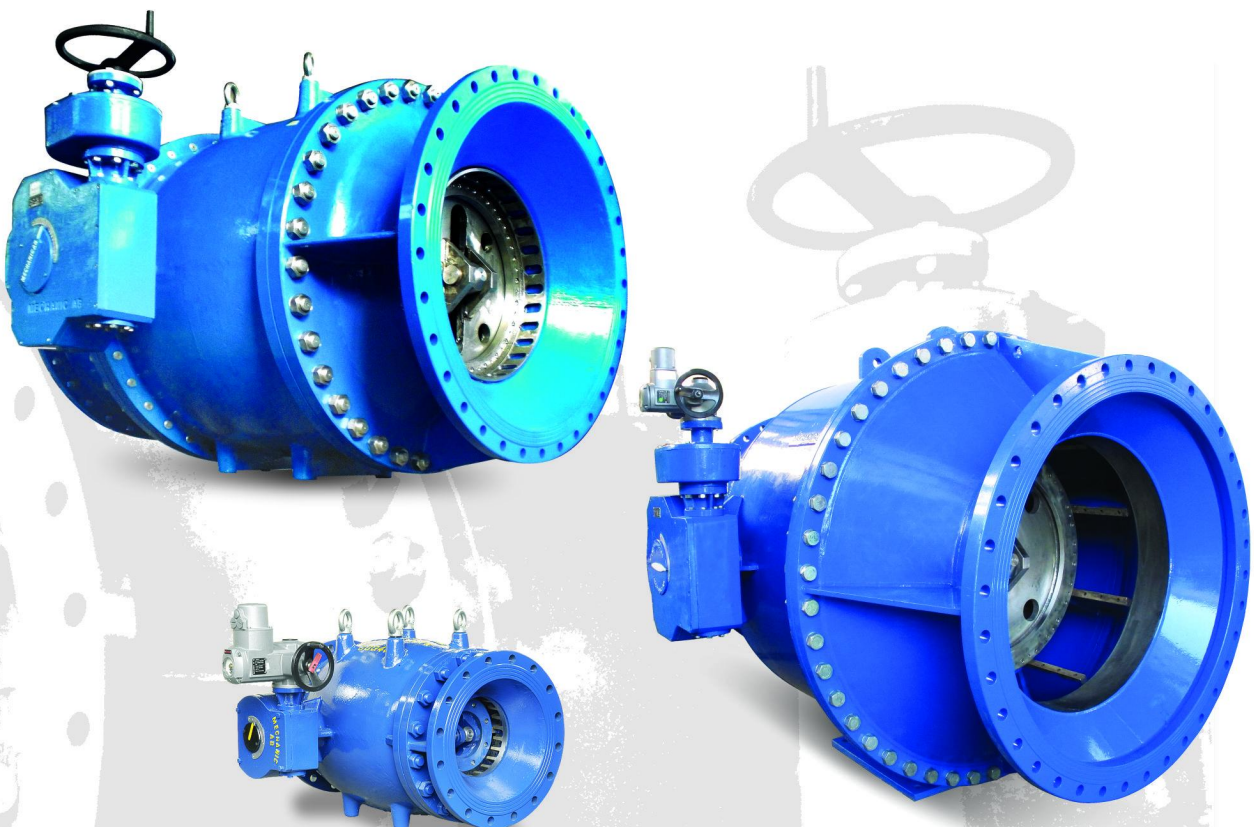
HOWELL BUNGER VALVES

DN: 400-2400 mm PN: 6-25 bar

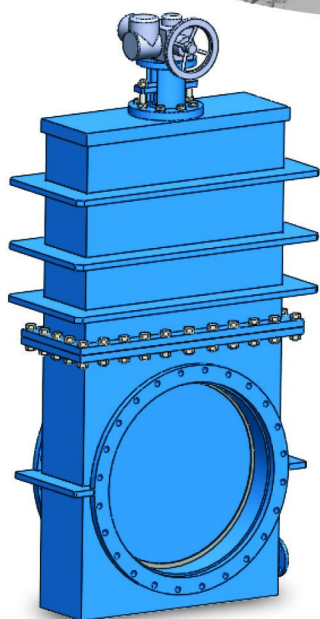
All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

NEEDLE (PLUNGER) VALVES

DN: 250-2400 mm PN:6-63 bar



All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



GATE VALVES - INSIDE STEM

DN: 400-2000 mm PN: 6-40 bar



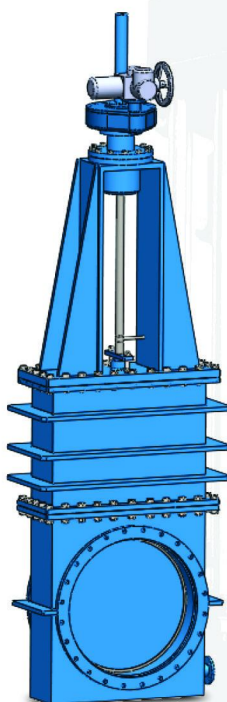
RUBBER WEDGE GATE VALVES

DN: 50-300 mm PN: 6-16 bar



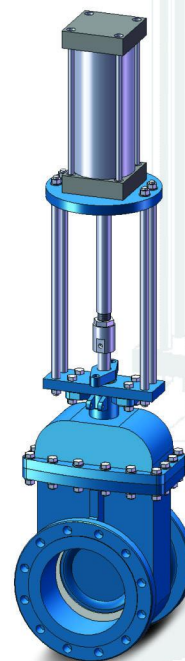
PNEUMATIC GATE VALVES

DN: 100-1200 mm PN: 10-63 bar



GATE VALVES - OUTSIDE STEM

DN: 400-2000 mm PN: 6-40 bar



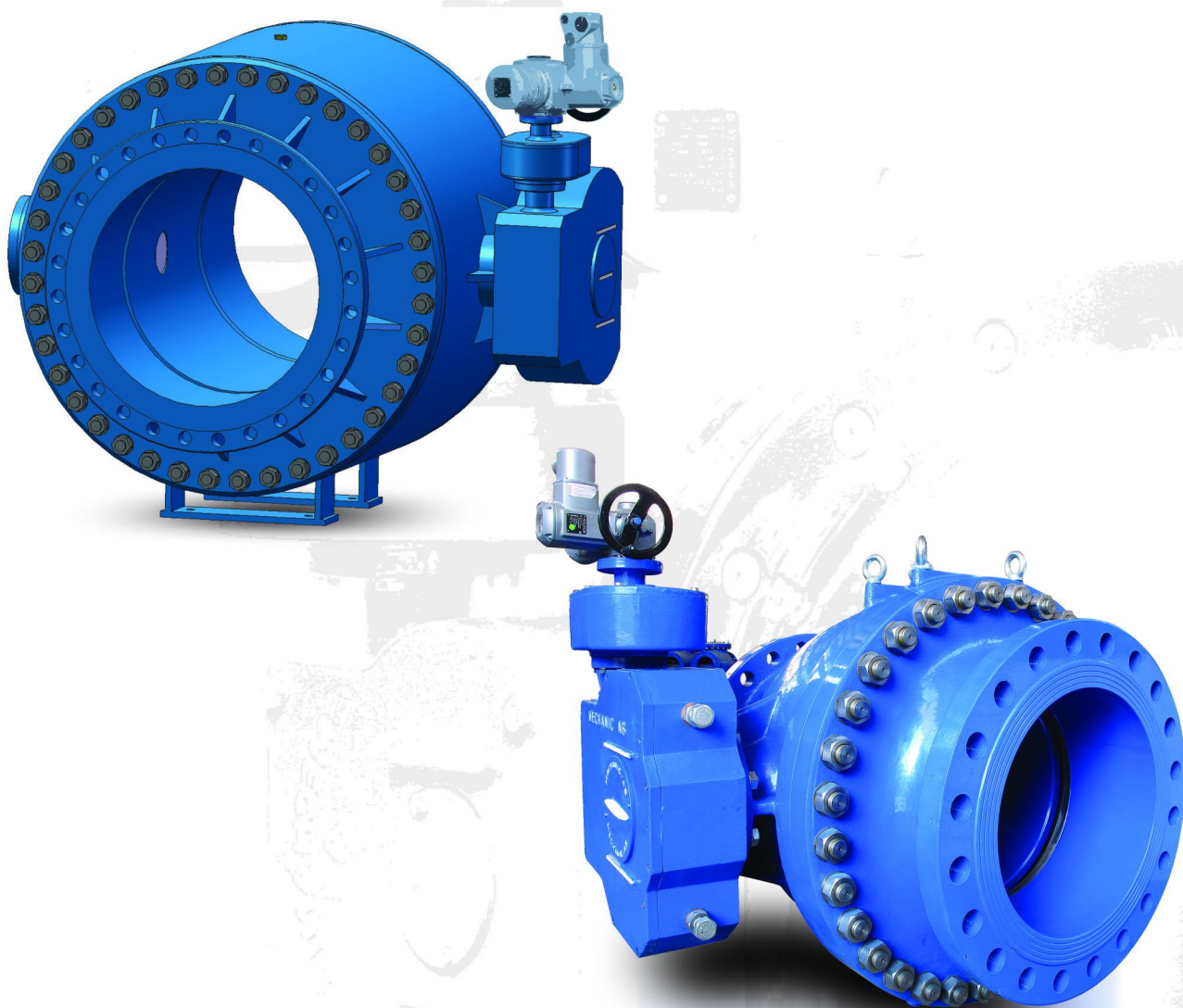
HYDROLIC GATE VALVES

DN: 100-1200 mm PN: 10-63 bar

All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

BALL VALVES

DN: 100-2000 mm PN:10-63 bar



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DISK AIR VALVES

DN: 200-800 mm PN: 6-25 bar



DOUBLE CHAMBER AIR VALVES

DN: 50-250 mm PN: 6-40 bar



SINGLE CHAMBER AIR VALVES WITH LEVER

DN: 50-200 mm PN: 6-40 bar



DOUBLE CHAMBER AIR VALVES

DN: 50-600 mm PN: 6-63 bar

All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



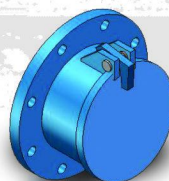
T TYPE STRAINERS

DN: 80-2000 mm PN:6-63 bar



STRAINERS

DN: 80-2000 mm PN:6-63 bar



FLAP VALVES

DN: 80-1600 mm PN:6-40 bar



FOOT VALVES

DN: 80-600 mm PN:6-25 bar



PIPE LINE STRAINERS

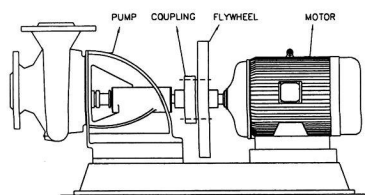
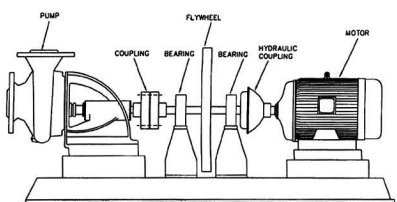
DN: 80-1000 mm PN:6-63 bar

All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.

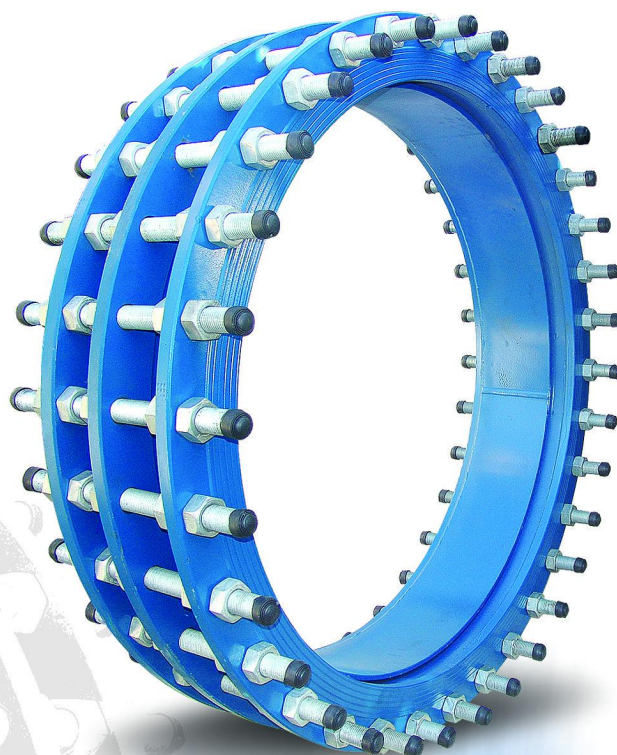
WATER HAMMER PROTECTION FACILITIES

V: 1-40 m³ PN: 6-40 bar

Design and Manufacturing of Anti-Water Hammer Devices

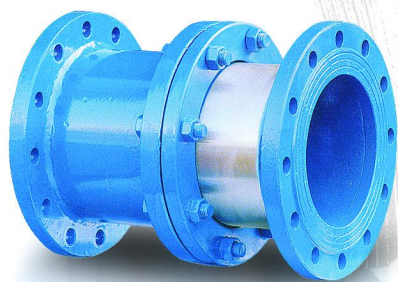


All of *Mechanic AB* products are producible with ANSI Class 150, 300 and 600 Standards upon request.



DISMANTLING JOINTS

DN: 50-3000 mm PN:6-63 bar



EXPANSION JOINTS

DN: 100-3000 mm PN:6-40 bar

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T-Butterfly Valves


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Manufacturer of Industrial Valves

ISO 9001 Certified By **TÜV NORD**

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