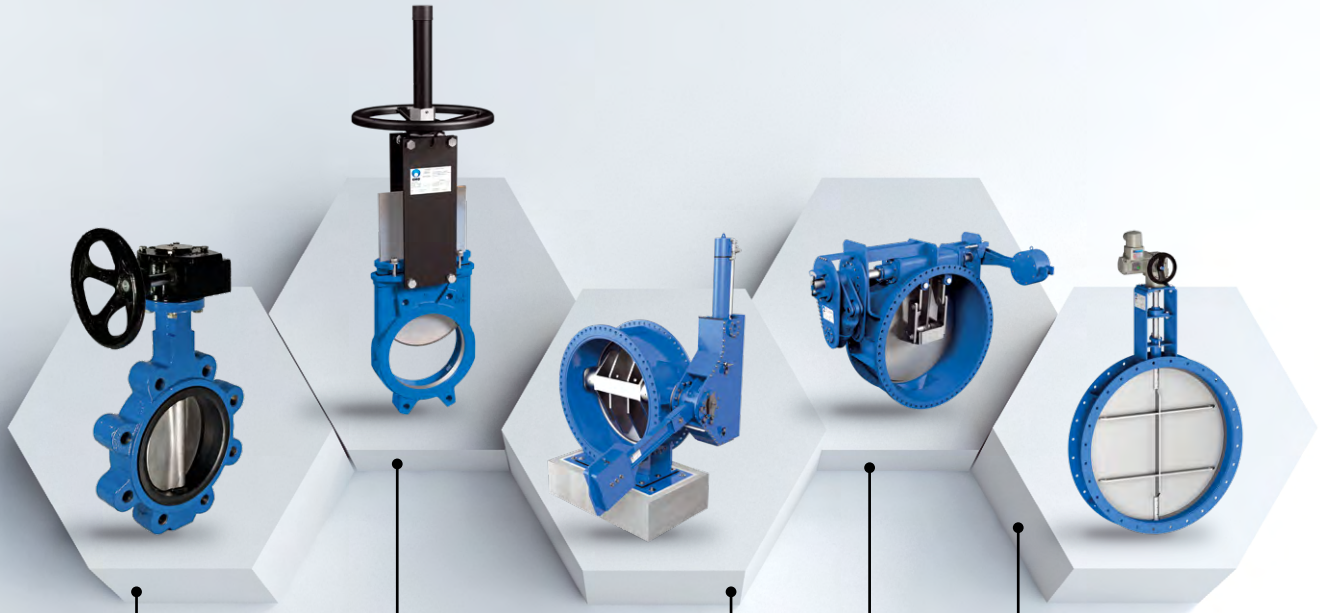


AT STASTO THE PRIORITY HAS BEEN THE CONCEPT OF QUALITY AS A FUNDAMENTAL PRINCIPLE OF OUR ACTIVITY • WATER SUPPLIES • KNIFE GATE VALVES • PENSTOCKS CHECK VALVES • HYDROMECHANICAL EQUIPMENT • DAMPERS •

STASTO

Partnership. With Guarantee.

+40

YEARS OF EXPERIENCE IN THE DESIGN AND MANUFACTURE OF INDUSTRIAL VALVES

www.promcom.ro

LRQA CERTIFIED ISO 9001

EN REV.25v04


STASTO
AUTOMATION
Partnership.
With Guarantee.

PRESENTATION 01
P. 02

KNIFE GATE VALVES 02
P. 10

PENSTOCKS / CHECK VALVES 03
P. 18

HYDROMECHANICAL EQUIPMENT 04
P. 22

DAMPERS AIR / GAS 05
P. 24

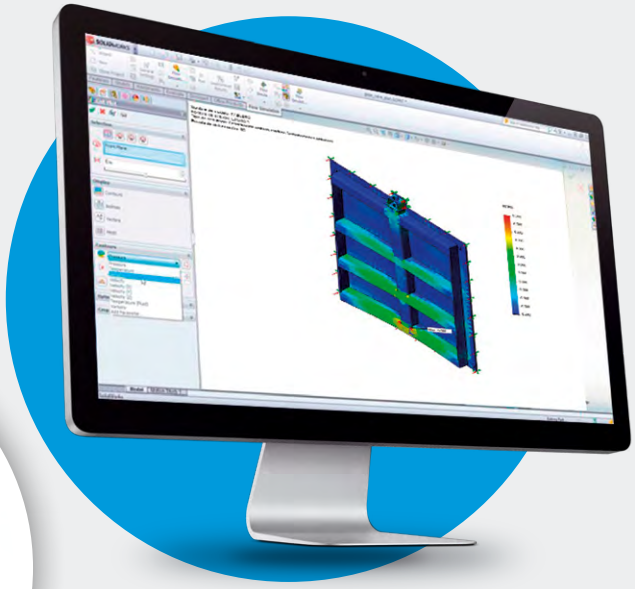
INDUSTRIAL & WATER SUPPLIES 06
P. 28

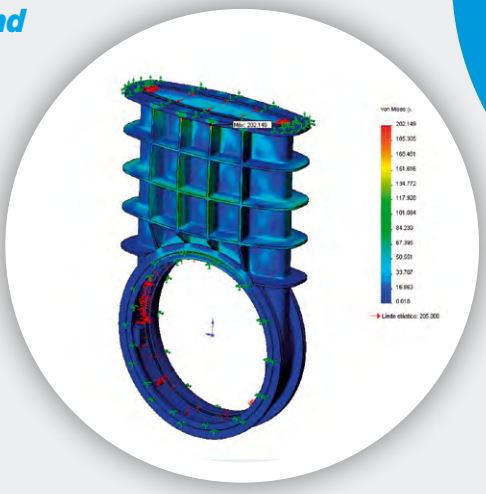
WATER MANAGEMENT SYSTEM 07
P. 32

(R + D + I)

Research + Development + Investigation

Teamwork is our major asset. Experience and knowledge, combined with technological innovation capability, are the driving force behind the company. For this reason it is one of our greatest values, and





The team at **STASTO**, uses the best state-of-the art software tools to carry out its valve calculations and designs, complying with all the standards of the European Union. (EN12516).

Certified quality management

At STASTO the priority has always been the concept of quality as a fundamental principle of our activity and as a factor of success to achieve continuous improvement.

STASTO is committed to quality as one of the main assets of its business and a key success factor. Quality is always directed towards the continuous process improvement in order to meet customer needs and expectations, while at the same time ensuring maximum satisfaction.

LRQA CERTIFIED ISO 9001

Our company holds the ISO 9001: 2015 certificate, the standard for the internationally recognized quality management systems (QMS).

CE

We manufacture our products in accordance with the European directive on pressure equipment. (2014/68-EC).

ATTESTATION DE ACS CONFORMITÉ SANITAIRE

WRAS WATER REGULATIONS ADVISORY SCHEME

EAC

Ex

We manufacture our products in accordance with the European directive ATEX (2014/34-EC).

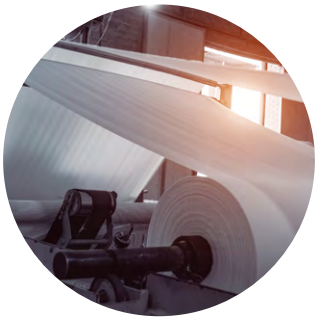
Industrial applications

DAMS

CEMENT PLANTS

WATER TREATMENT

HYDROELECTRIC PLANTS



PAPER MILLS

PUMPING STATIONS

MINING AND SLUDGE

DESALINATION PLANTS

GAS AND OIL

MORE THAN 300 PROJECTS EACH YEAR

Manufacturing Range

STASTO has an extensive catalogue of standard valves, enabling us to cover a multitude of sectors in the industry. We offer different sizes and different pressures, as well as different types of actuators, to adapt the product to the needs of each project. We can also design, manufacture and supply different sizes and pressures for special projects.

Stock control allows **STASTO** to supply, finished products in very short times, making them ready to ship anywhere in the world. We have extensive facilities, where we assemble and stock the finished product.

Our valves and penstocks cover and service a wide sector in industry, among which we can highlight:

- DAMS AND HYDRAULIC PROJECTS.
- PETROCHEMICAL PLANTS.
- PAPER INDUSTRY.
- MINING INDUSTRY.
- THERMAL PLANTS.
- PUMPING STATIONS.
- WATER TREATMENT.

FACILITIES

Offices:	800 m²
Production:	10.000 m²
Testing:	600 m²
Shipping:	600 m²
Quality control	300 m²
Storage and Stock	4000 m²

MANUFACTURING THE VALVE YOU NEED

Solutions

Different types and product lines are available depending on the requirements of each project. We have a wide range of valves and penstocks in our manufacturing catalogue.

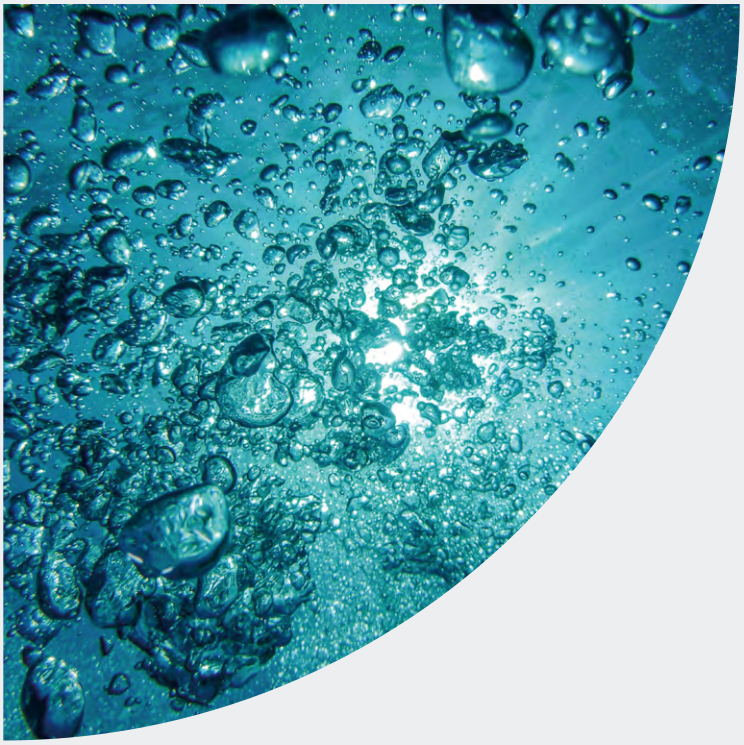
KNIFE GATE VALVES
UNIDIRECTIONAL /
BIDIRECTIONAL

PENSTOCKS
WATER TREATMENT,
DESALINATION

HYDROMECHANICAL EQUIPMENTS
DAMS
RESERVOIRS

DAMPERS
AIR- GAS
HIGH TEMPERATURES

SPECIAL APPLICATIONS



Types

Valve types and solutions for industry cover a wide range which can cover the most demanding requirements.

- KNIFE GATE VALVES
- GATE VALVES
- PENSTOCKS
- BUTTERFLY VALVES
- CHECK VALVES
- AIR-GAS VALVES (DAMPERS)
- SPECIAL VALVES

Likewise, we can manufacture and implement special solutions in valves and penstocks tailored to each project.

***STASTO** are able to manufacture and supply different types of valves, applied to different uses and industrial solutions.*

KNIFE GATE VALVES

A SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional wafer type knife gate valve for general industrial aplications and fluids with solids content.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Pumping stations • Food & Beverage industry • Sewage water treatment • Mining • Biogas...

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

AB SERIES

BIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional wafer type knife gate valve for general industrial aplications and fluids with solids content.

Designed for applications such as:
Chemical plants • Pumping stations • Food & Beverage industry • Mining • Sewage water treatment • Biogas...

WORKING PRESSURE (ΔP)

DN50-DN200	10 bar
DN250-DN400	6 bar
DN450	5 bar
DN500	4 bar
DN600	3 bar

Other pressures on request.

AD SERIES

UNIDIRECTIONAL FLANGED TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional flanged type knife gate valve for general industrial aplications and fluids with solids content.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Pumping stations • Mining • Food & Beverage industry • Sewage water treatment • Biogas...

WORKING PRESSURE (ΔP)

DN80-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

B SERIES

BIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional double body wafer type knife gate valve with bottom cover for applications with high solids content.

Designed for applications such as:
Pulp & Paper industry • Mining • Chemical plants • Pumping stations • Food & Beverage industry • Sewage water treatment • Biogas...

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1000	3 bar

Other pressures on request.

C SERIES

UNIDIRECTIONAL SQUARE TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional fabricated knife gate valve for solids and gravity discharge applications with high solids content. Square or rectangular shape.

Designed for applications such as:
Bulk handling • Chemical plants • Food & Beverage industry • Mining • Dry Sludge • Water treatment • Cement industry...

WORKING PRESSURE (ΔP)

STANDARD	0,6 bar

Other pressures on request.

D SERIES

UNIDIRECTIONAL FLANGED TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional flanged type knife gate valve, designed for high pressures applications with self cleaning seat.

Designed for applications such as:
Pulp & Paper industry • Mining • Chemical plants • Pumping stations • Food & Beverage industry • Sewage water treatment • Biogas...

WORKING PRESSURE (ΔP)

STANDARD	PN2,5-PN100

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

E SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional double body wafer type knife gate valve with round inlet and square outlet proper to work with high solids content fluids, specially in recycled carton and paper pulp preparation.

Designed for applications such as:
Pulp & Paper industry • Industrial applications with high solids content

WORKING PRESSURE (ΔP)

DN50-DN450	7 bar
DN500-DN1200	4 bar

Other pressures on request.

F SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional wafer type knife gate valve proper to work with dry products like dust and grain. Mainly for solids and gravity discharge applications with high solids content.

Designed for applications such as:
Bulk handling • Mining • Chemical plants • Food & Beverage industry • Cement industry

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures and applications with flows containing liquids upon request.

*For application with flows containing liquids check with **STASTO.***

FK SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE WITH COVER

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional wafer type knife gate valve with cover proper to work with dry products like dust and grain. Mainly for solids and gravity discharge applications with high solids, specially with toxic or dangerous content.

Designed for applications such as:
Bulk handling • Mining • Chemical plants • Food & Beverage industry • Cement industry

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

K SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE WITH COVER

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional wafer type knife gate valve with cover for clean fluids or with a low percentage of solids.

Designed for applications such as:
Mining • Chemical plants • Pumping stations • Food & Beverage industry...

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

GA SERIES

BIDIRECTIONAL FLANGED TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional flanged type knife gate valve with natural rubber seats proper for lines with high solids content and abrasive slurries.

Designed for applications such as:
Mining • Chemical plants • Energy plants • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN150	16 bar
DN200-DN600	10 bar
DN700-DN900	8 bar
DN1000-DN1200	6 bar

Other pressures on request.

GD SERIES

BIDIRECTIONAL SEMI-LUG TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional semi lug type knife gate valve with natural rubber bolted seats proper for lines with high solids content and abrasive slurries.

Designed for applications such as:
Mining • Chemical plants • Energy plants • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN150	16 bar
DN200-DN600	10 bar
DN700-DN900	8 bar
DN1000-DN1200	6 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

GH SERIES

BIDIRECTIONAL FLANGED TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional flanged type knife gate valve with natural rubber bolted seats proper for lines with high solids content and abrasive slurries at high pressures.

Designed for applications such as:
Mining • Chemical plants • Energy plants • Sewage water treatment

WORKING PRESSURE (ΔP)

ASA150	**DN80-DN600**	21 bar
PN25	**DN80-DN600**	25 bar
ASA300/PN40	**DN80-DN600**	40bar

Other pressures on request.

GL SERIES

BIDIRECTIONAL SEMI-LUG TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional semi lug type knife gate valve with natural rubber seats proper for lines with high solids content and abrasive slurries.

Designed for applications such as:
Mining • Chemical plants • Energy plants • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN150	16 bar
DN200-DN600	10 bar
DN700-DN900	8 bar
DN1000-DN1200	6 bar

Other pressures on request.

L SERIES

BIDIRECTIONAL THROUGH GOING WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional through going wafer type knife gate valve for fluids with a maximum 20% of solids content and applications of gravity discharge fluids with a high consistency.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Food & Beverage industry • Mining • Pumping stations • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1400	3 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

T SERIES

UNIDIRECTIONAL LUG TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional lug type knife gate valve for general industrial aplications and fluids with solids content. Face to face distance acc. to MSS-SP-81.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Food & Beverage industry • Mining • Pumping stations • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-2”-**DN600**-24”	10 bar
DN700-28”-**DN800**-36”	6 bar
DN900-40”-**DN1200**-48”	4 bar

Other pressures on request.

TD SERIES

UNIDIRECTIONAL DOUBLE GATE WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional double gate wafer type knife gate valve for general industrial aplications and fluids with high solids content, usually for Pulp & Paper Industry in pulpers and cleaners with heavy rejects.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Food & Beverage industry • Mining • Pumping stations • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700	3 bar
DN800-DN1200	2 bar

Other pressures on request.

U SERIES

UNIDIRECTIONAL WAFER TYPE KNIFE GATE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Unidirectional double body wafer type for general industrial aplications and fluids with high solids content.

Designed for applications such as:
Pulp & Paper industry • Chemical plants • Sewage water treatment • Mining • Pumping stations • Bulk handling • Food & Beverage Industry

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN800	3 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

UB SERIES

BIDIRECTIONAL WAFER TYPE KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional double body wafer type knife gate valve, for general industrial aplications and fluids with high soft solids content, mainly sewage water.

Designed for applications such as:
Mining • Chemical plants • Food & Beverage industry • Sewage water treatment and Sludge

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300	7 bar
DN350-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1400	3 bar
DN1600-DN2000	2 bar

Other pressures on request.

XB SERIES

BIDIRECTIONAL LUG TYPE POLYURETHANE COATED KNIFE GATE VALVE

DESCRIPTION • GENERAL APPLICATIONS

Bidirectional lug type knife gate valve with internal polyurethane coating for general industrial aplications and abrasive fluids, mainly for Mining Industry in lines loaded with low/medium solids content fluids and thin slurries.

Designed for applications such as:
Mining • Energy plants • Chemical plants • Sewage water treatment

WORKING PRESSURE (ΔP)

DN50-DN150	16 bar
DN200-DN600	10 bar
DN700-DN800	6 bar
DN900-DN1000	4 bar

Other pressures on request.

*Distance between faces according to the **STASTO** standard.

KNIFE GATE VALVES

PENSTOCKS

CA SERIES

UNIDIRECTIONAL OR BIDIRECTIONAL CHANNEL PENSTOCK

DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Mechanically welded construction, round, square or rectangular gate design.
- Wide range of possibilities in manufacturing dimensions and water loads.
- Option of unidirectional or bidirectional.
- Various construction materials and seals available.
- The standard design for gate mounting is embedded in the channel walls. It can optionally be installed on walls using expansion or chemical anchors.
- Manual, pneumatic, electric, or hydraulic drive and a wide range of possible drive extensions.

GENERAL APPLICATIONS

This channel penstock is designed for installation in open channels. It has a 3-side seal: (base and sides). It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Irrigation • Conduits • Hydroelectric power stations • Water treatment

FL SERIES

UNIDIRECTIONAL CHECK GATE FOR END OF PIPE

DESCRIPTION

- Check valve for clean liquids or loaded with solids.
- Round, square or rectangular penstock design.
- Option of vertical or inclined closing.
- Various construction materials and seals available.
- Designed to be installed supported on walls by means of anchors or bolted to a flange.
- Possibility of slimline design.

GENERAL APPLICATIONS

This penstock is designed for end-of-line mounting. Can be installed supported on walls by means of anchors or bolted to a flange. Its design can be circular, square or rectangular.

Designed for applications such as:
Irrigation • Conduits • Hydroelectric power stations • Water treatment

GI SERIES

TILTING WEIR GATE

DESCRIPTION

- Gate which turns on a horizontal shaft located at the bottom of the channel. Board design with side wheels, to guide the stopboard throughout its run in large scale widths
- Option of 3 or 4 side sealing. Design of rectangular or square penstock.
- Various sealing materials available.
- For installation embedded in concrete or mounted on walls with chemical or expansion anchors.

GENERAL APPLICATIONS

This overflow penstock is designed for installation in orifices in walls or at the end of channels. The orifice can be rectangular, round or square; this penstock has a 3-sided seal (base and sides). It is designed to regulate the level of fluid. It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Irrigation • Conduits • Channels • All kinds of water treatment

MX-MZ SERIES

UNIDIRECTIONAL OR BIDIRECTIONAL WALL TYPE PENSTOCK

DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Round, square or rectangular penstock design.
- Possibility of unidirectional or bidirectional.
- Various seal materials available.
- Common design to install supported on walls with chemical or expansion anchors.

GENERAL APPLICATIONS

This wall penstock is designed to be installed in orifi ces in walls. The orifi ce can be rectangular, round or square, this penstock has a 4-side seal. This is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Water treatment plants • Hydroelectric power stations • Irrigation • Conduits

MX SERIES | MZ SERIES

MC-MR SERIES

UNIDIRECTIONAL OR BIDIRECTIONAL WALL TYPE PENSTOCK

DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Round, square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various construction materials and seals available.
- Designed generally to be installed supported on walls with chemical or expansion anchors.

GENERAL APPLICATIONS

This wall penstock is designed for installation in orifices in walls. The orifice can be rectangular, round or square; this penstock has a 4-sided seal. It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Irrigation • Conduits • Hydroelectric power stations • Water treatment

MC SERIES | MR SERIES

RE SERIES

UNIDIRECTIONAL OR BIDIRECTIONAL OVERFLOW PENSTOCK

DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various construction materials and seals available.
- Designed generally to be installed supported on walls with chemical or expansion anchors.

GENERAL APPLICATIONS

This overflow penstock is designed for installation in orifices in walls or at the end of channels. This gate has a 3-side seal: (base and sides). It is designed to regulate the level of fluid. It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Irrigation • Conduits • Channels • All kinds of water treatment

TE SERIES

TELESCOPIC VALVE FOR LEVEL CONTROL

DESCRIPTION

- Telescopic valve to capture surface water.
- Circular body and obturator, highly functional requiring minimum maintenance.
- Various construction materials available.
- Various sealing materials available.
- Designed for installation in upright position on the water run-off pipe flange in the tank.

GENERAL APPLICATIONS

TE telescopic valves are designed for installation in chambers or ponds in which the fluid level needs to be regulated. It is suitable to work with clean liquids or loaded with solids. .

Designed for applications such as:
Water treatment plants • Ponds • Hydroelectric power stations

R SERIES

UNIDIRECTIONAL WAFER TYPE CHECK VALVE

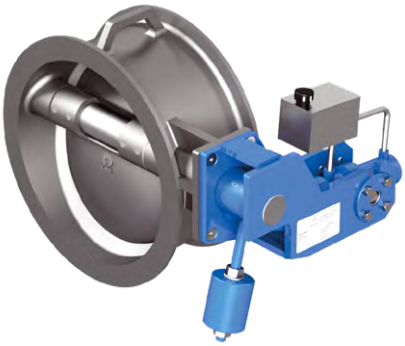
DESCRIPTION

- Wafer type swing disk check valve type (can be manufactured with flanges on request).
- One-piece cast body with an internal conical shape which provides easy evacuation of the solid particles contained in the flow.
- High flow rates with low load losses.
- Low pressure opening
- It has an arrow on the body indicating the flow direction.
- The **R** swing check valve only lets fluid though in one direction. It is opened by the fluid passing through and it closes due to the weight of the disc and the return of the fluid in a short time.

GENERAL APPLICATIONS

This check valve is suitable for liquids that contain a maximum of 5% suspended solids.

Designed for applications such as:
Paper industry • Sewage treatment • Chemical plants • Pumping



RT SERIES

DOUBLE ECCENTRIC DISC CHECK VALVE

DESCRIPTION

- Disc check valve with dual eccentricity and straight seat.
- The **RT** check valve allows fluid to flow in one direction; it opens as fluid passes through and closes due to the weight of the returning fluid, the disc, and the counterweight.
- These valves are fitted with an arrow indicating the direction of flow.
- It is equipped with a hydraulic damper with adjustable speed, designed to regulate closing time through a control valve.
- The disc cannot be stopped in intermediate positions.
- Available in wafer-type or with flange boring as per customer requirements.
- Various construction materials available.

GENERAL APPLICATIONS

The check valve is suitable for working in line and as a safety valve in cases of emergency.

V 3V-4V SERIES

FLANGED MULTI-WAY VALVE

DESCRIPTION

- Flanged 3 way and 4 way diverter valve at 90º.
- One piece integral cast body with bolted cap.
- Stainless steel distributor
- Various construction materials.
- Dimensions as per **STASTO** standard.
- Though-flow can be straight, L-shaped and T-shaped.

GENERAL APPLICATIONS

This valve is suitable for liquids with dry matter content, products with a concentration of 4% and over. It is specially designed to handle pulp.

Designed for applications such as:
Paper industry • Chemical plants

HYDROMECHANICAL EQUIPMENT

AT SERIES

UNIDIRECTIONAL / BIDIRECTIONAL STOP GATE

DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various sealing materials available.
- Usual design to embed in the sides of the channel or in walls using chemical or expansion anchors.

GENERAL APPLICATIONS

This stop gate is designed to work in open channels or in orifices in walls, and has a 3-sided seal (base and sides) or a 4-sided seal (base, sides and lintel).
It is suitable to work with clean liquids or loaded with solids.

Used mainly in:
Water treatment plants • Hydroelectric power stations • Irrigation • Conduits

CB SERIES

NARROW GROOVE SLIDING PENSTOCK BUREAU

DESCRIPTION

- Narrow groove sliding penstock.
- Mechanically welded body, consisting of two bolted parts.
- Penstock design made according to: "US BUREAU OF RECLAMATION ".
- Rectangular section penstock, although there is also the option of the inlet and outlet having a circular section.
- Various construction materials available.

GENERAL APPLICATIONS

This narrow groove sliding penstock is designed to work with fluids at high speeds. Its main application is in run-offs at the bottom of dams

Designed for applications such as:
Dams and reservoirs • Hydrological projects • Chemical plants • Pumping • Sewage treatment

CT SERIES

TAINTOR TYPE RADIAL GATE

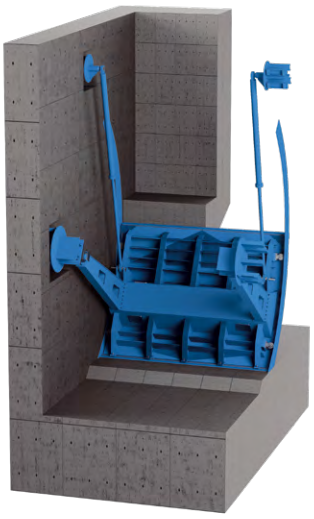
DESCRIPTION

- Mechanically welded stopboard with sectoral shape. Fitted with side wheels to guarantee correct guiding of the penstock throughout its run.
- The stopboard is fitted with arms for swivelling and to radially transmit the hydraulic thrust to the concrete through the embedded turning points
- Square or rectangular section penstock valve.
- Various construction materials available.
- Option of 3- or 4-side tightness.

GENERAL APPLICATIONS

There are two main types of design within the radial penstocks:
- **3-Side Seal:** Designed for installation in dam channels or spillways. They are used for water level control.
- **4-SIDE SEAL:** Designed for installation in water connection points or bottom outlets. They are used as a regulation element.

Designed for use in dams and reservoirs.



HD SERIES

HOLLOW JET DISCHARGE VALVE

DESCRIPTION

The valve consists of a cylindrical body and a cone is used as a seat that performs the mission of forming the jet fan. The body has radial ribs or fins that carry out the mission of channelling the jet. The outlet is an annular opening. On the edge of the radial fins, a sealing cylinder slides which, activated by two external rods, opens to achieve a required output flow or closes completely.

GENERAL APPLICATIONS

This valve is used especially as a closing or regulating organ in the bottom discharges of dams and reservoirs, since it is an economical way to regulate their outlet, to obtain an ecological flow.

Designed for applications such as:
Hydroelectric power stations • Water treatment

ME SERIES

DOUBLE ECCENTRIC BUTTERFLY VALVE

DESCRIPTION

- Unidirectional butterfly valve with double eccentricity.
- Various construction materials and seals available.

Two options for width between faces:
- **Short series**: according to EN558 SERIES 13.
- **Long series**: according to EN558 SERIES 14.

It has an arrow on the body indicating the flow direction.
The main characteristic of the **ME** butterfly valve is the double eccentric design. The rotation shaft is offset from the central plane of the clapper and in turn is also offset from the central plane of the valve body thus obtaining double eccentricity.

GENERAL APPLICATIONS

The butterfly valve is suitable for working in line and as a safety valve in emergency cases. It is widely used in pressure pipes in hydroelectric plants.

VM SERIES

UNIDIRECTIONAL OR BIDIRECTIONAL WAGON TYPE PENSTOCK

DESCRIPTION

- Gate designed for large sections with high water loads.
- Board with side wheels, to facilitate gate operation under high water loads.
- Square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various construction materials and seals available.
- To install embedded in concrete or mounted on walls with chemical or expansion anchors.

GENERAL APPLICATIONS

This vertical-lift gate is designed for installation in channels or in orifices in walls. The orifice can be rectangular, round or square, and this penstock can have a 3-side or 4-side seal. It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:
Irrigation • Conduits • Hydroelectric power stations • Water treatment

CM SERIES

MULTIJET REGULATING VALVE

DESCRIPTION

One-way valve for fine regulation of fluid flows throughout its stroke. This valve consists of two circular plates, one fixed and the other mobile, coincidentally perforated and installed parallel perpendicular to the flow that allow the passage of the fluid, varying its opening proportionally with provide an excellent cavitation coefficient.
The regulation is based on the closing of the flow through the displacement of multiple orifices that generate jets that are uniformly distributed throughout the interior of the pipe.

GENERAL APPLICATIONS

This valve is used especially as a flow regulation organ in dams and reservoirs.

Designed for applications such as:
Water treatment • Hydroelectric power stations • Urban supply • Irrigation systems

DAMPERS **AIR/GAS**

GC SERIES

UNIDIRECTIONAL SQUARE GUILLOTINE DAMPER

DESCRIPTION

- Gas valve, with square or rectangular damper design.
- Unidirectional guillotine damper.
- Various constructions materials and seal and stuffing materials available.
- Usually the body of this type of Damper is usually mechanicaly welded and built with sheet metal of different thicknesses with reinforcements and structural profiles to avoid possible deformations. The body is approximately twice the height of the conduit, to be able to house the gate inside it when it is in the open position.

GENERAL APPLICATIONS

This knife gate damper valve is suitable for working with a wide range of airs and gasses. It is especially indicated as an insulation element to allow inspections, maintenance and repairs in the ducts.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

GR SERIES

UNIDIRECTIONAL ROUND GUILLOTINE DAMPER

DESCRIPTION

- Gas valve, with round damper design.
- Unidirectional guillotine damper.
- Various constructions materials and seal and stuffing materials available.

GENERAL APPLICATIONS

This knife gate damper valve is suitable for working with a wide range of airs and gasses. It is especially indicated as an insulation element to allow inspections, maintenance and repairs in the ducts.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

GF SERIES

GOGGLE DAMPER VALVE

DESCRIPTION

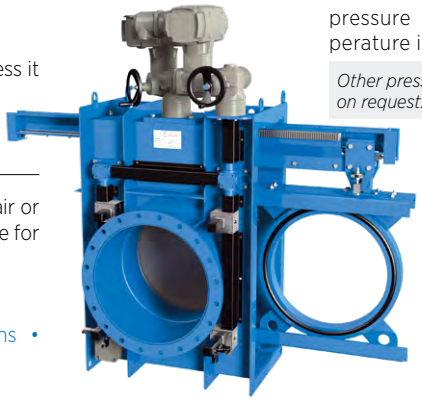
The goggle Damper valve is a specially designed valve to isolate a pipe area in environments with high dust concentration.

Once the gate is closed, it is pushed by hydraulic jacks to press it against the closure and thus ensure sealing.

GENERAL APPLICATIONS

The goggle damper is designed for pneumatic transport of air or gases at different temperatures. They are particularly suitable for controlling the flow of gas in pipelines.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector



WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

VD SERIES

BIDIRECTIONAL MULTISECTOR DAMPER DIAPHRAGM VALVE

DESCRIPTION

- Bidirectional design multi sector damper diaphragm valve **VD**.
- Designed for pneumatic transport of air or gases at different temperatures.
- Manufactured using **STASTO** standards for drilled flanges.
- Tightness between 98% and 99%.

GENERAL APPLICATIONS

These multi sector damper diaphragm valves are suitable to work with a wide range of air and gases. They are particularly suitable for controlling the flow of gas in pipelines.

Used mainly in:
Co generation plants • Thermal power stations • Electrical power stations • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.25 bar and temperature is 200°C.

Other pressures and temperatures on request.

LR SERIES

BIDIRECTIONAL ROUND MULTILOUVRE DAMPER

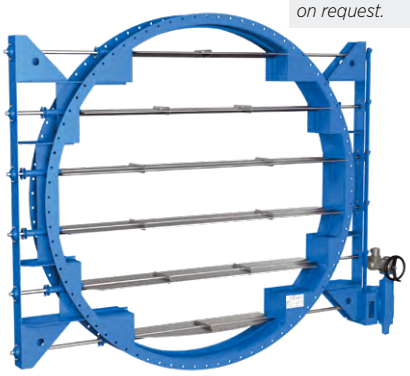
DESCRIPTION

- Multi louvre damper butterfly valve, shutter type, with bidirectional design.
- Designed for pneumatic transport of air or gases at different temperatures.
- Tightness between 97% and 99%.
- Various construction materials, seals and packing available.
- Normally their use in regulation means they are manufactured with relative tightness.

GENERAL APPLICATIONS

Multi louvre damper butterfly valves are suitable for work with a wide range of air and gases. They are particularly suitable for controlling the flow of gas in pipelines.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector



WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

MD SERIES

BIDIRECTIONAL ROUND DISTRIBUTOR DAMPER

DESCRIPTION

- Valve with round, square or rectangular T-shaped damper design
- Various constructions materials and seal and stuffing materials available.
- Distance between widths according to the standard of **STASTO** with the possibility of adapting to customer specifications.
- Normally their use in regulation means they are manufactured with relative tightness.
- The manufacture of this type of damper also includes the possibility of multi-blade sealing.

GENERAL APPLICATIONS

Damper valve that allows to distribute gas inlet and outlet flow.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

MF-ML SERIES

BIDIRECTIONAL ROUND BUTTERFLY DAMPER

DESCRIPTION

- Designed for pneumatic transport of air or gases at different temperatures.
- Possibility of manufacturing wafer type, with drilled flanges, or for welding.
- Tightness between 97% and 100%.
- Possibility of using an air sealing system to increase tightness up to 100%
- Various constructions materials and seal and stuffing materials available.
- Other distances and configurations upon request.

GENERAL APPLICATIONS

Butterfly damper valves are suitable to work with a wide range of air and gases. They are particularly suitable for controlling the flow of gas in pipelines.

Used mainly in:
Co generation plants • Thermal power stations • Chemical plants • Electrical power stations • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

PL SERIES

SQUARE / RECTANGULAR BIDIRECTIONAL MULTILOUVRE DAMPER

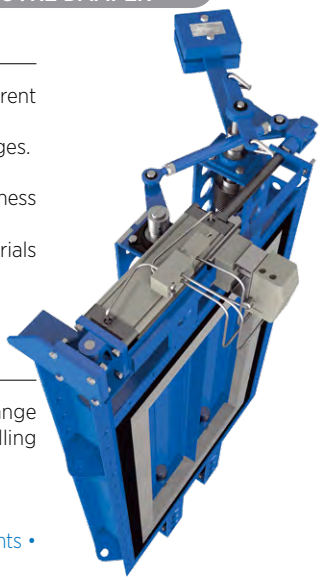
DESCRIPTION

- Designed for pneumatic transport of air or gases at different temperatures.
- Possibility of manufacturing wafer type or with drilled flanges.
- Tightness between 97% and 99%.
- Possibility of using an air sealing system to increase tightness up to 100%.
- Various constructions materials and seal and stuffing materials available.
- Other distances and configurations upon request.

GENERAL APPLICATIONS

Butterfly damper valves are suitable to work with a wide range of air and gases. They are particularly suitable for controlling the flow of gas in pipelines.

Used mainly in:
Co generation plants • Thermal power stations • Chemical plants • Electrical power stations • Energy sector



WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

UL SERIES

RECTANGULAR BIDIRECTIONAL DAMPER

DESCRIPTION

- Gas valve, with square or rectangular damper design and single blade.
- Unidirectional butterfly type damper.
- Various constructions materials and seal and stuffing materials available.

GENERAL APPLICATIONS

Butterfly damper valves are suitable to work with a wide range of air and gases. They are particularly suitable for controlling the flow of gas in pipelines.

Used mainly in:
Co generation plants • Thermal power stations • Chemical plants • Electrical power stations • Energy sector

WORKING PRESSURE (ΔP)

The standard maximum working pressure is <0.5 bar and temperature is 600°C.

Other pressures and temperatures on request.

MP SERIES

MULTIPLE LEVER FLANGED DAMPER

DESCRIPTION

- One-way round valve for gases, with a damper design that incorporates an eccentric front closure by means of a series of levers with 90° rotation.
- Construction materials and closures as required.
- The body of this type of damper is usually mechanically welded and built with sheet metal of different thicknesses with reinforcements and structural profiles to avoid possible deformations.

GENERAL APPLICATIONS

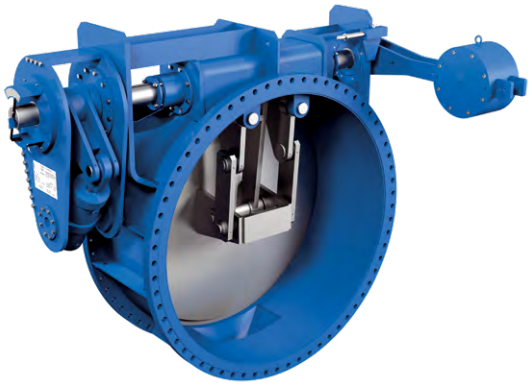
The **MP** multiple lever valve model is suitable for working with a wide range of gas fluids at various pressures up to 40 bar and 600°C.

The main characteristic of this valve is that in the pneumatic version, it operates at a pre-established differential pressure.

Designed for applications such as:
Cement plants • Steel plants • Electrical power stations • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The working pressure and temperature of each project determine the valve's technical characteristics and design. Application range, gases with pressures up to 40 bar and temperatures up to 600ºC.



SD SERIES

UNIDIRECTIONAL OSCILLATING DISC DAMPER

DESCRIPTION

- Flanged unidirectional quick-closing check valve with swing disc, with a cast or fabricated body and shut-off mechanism in various materials.
- Possibility of multiple options for closures:
  - Various elastomers.
  - Hardened closures.
- It typically has a pneumatic drive using a rotary lever to achieve the quick closing movement.
- An arrow is marked on the body indicating the pressure direction.

GENERAL APPLICATIONS

Valve specially designed for the pneumatic transport of highly abrasive dry fluids such as fly ash due to its advantageous continuous flow.

Designed for applications such as:
Cement plants • Steel plants • Chemical plants • Energy sector

WORKING PRESSURE (ΔP)

The standard working pressure is 2 bar.

Other pressures on request.

***SD** series valves are designed based on customer application specifications and parameters, such as pressure, service temperature and fluid.*

INDUSTRIAL & WATER SUPPLIES

11A RESILIENT SEAT GATE VALVE

DESCRIPTION

The resilient seat gate valve is built in ductile cast iron GJS500 and designed to satisfy the most demanding needs in fields of application such as firefighting services, purification and pumping of waste water, irrigation, industrial installations, hydraulic and building work in general.

Minimal load loss • Continuous flow • 100% tightness • Bidirectional flow • Flanges PN 10/16 type RF • Guided gate to facilitate sealing • Bolts protected against external agents • WRAS certified for contact with drinking water • Working temperature between -10°C and 90°C.

ACS CERTIFICATE AVAILABLE

12A THREADED CONNECTION GATE VALVE

DESCRIPTION

Threaded gate valve, for drinking water supply, irrigation, hydraulic and building work. It presents minimal pressure drop and is 100% watertight, full-flow and removable with the installation under load.

Minimal load loss • Continuous flow • Repackable under pipeline pressure • 100% tightness • Bidirectional flow • Threaded connection • Guided gate to facilitate sealing • Guided gate to facilitate sealing • Bolts protected against external agents • WRAS certified for contact with drinking water • EN 1074-2 certified • Maximum working pressure 16 bar • Working temperature between -10°C and 90°C.

13A GATE VALVE CONNECTION TO PVC PIPE

DESCRIPTION

Gate valve with connection for PVC pipes, for purification and pumping of wastewater, irrigation, fire fighting installations, industrial installations... It presents minimal pressure drop and is 100% watertight with full flow.

Continuous flow • Repackable under pipeline pressure • Bidirectional flow • Connection for PVC pipe • Guided gate to facilitate sealing • Bolts protected against external agents • WRAS certified for contact with drinking water • Maximum working pressure 16 bar • Working temperature between -10°C and 90°C.

21A WAFER TYPE BUTTERFLY VALVE

DESCRIPTION

Wafer type butterfly valve for supply, pumping, irrigation, running water supply, treatment and pumping of dirty water...

Minimal load loss • 100% watertight • Bidirectional flow • Seals are not required for installation • Stainless steel bolts • Working temperature between -10°C and 120°C.

22A LUG TYPE BUTTERFLY VALVE

DESCRIPTION

Lug butterfly valves, for supply, pumping, running water supply, treatment and pumping of dirty water... It presents minimal pressure drop and is 100% watertight and full flow.

100% watertight • Bidirectional flow • Seals are not required for installation • Stainless steel bolts • Maximum working pressure 16 bar • Working temperature between -10ºC and 90ºC

23A

DOUBLE FLANGE BUTTERFLY VALVE

DESCRIPTION

Double flange butterfly valves, for flow regulation and sectioning in water supply and distribution networks, pumping, irrigation... It presents minimal pressure drop due to the hydrodynamic design of the disc, it is 100% watertight and does not require any seals for installation.

Vulcanized seat that prevents fluid contact with the body, thus avoiding wear and corrosion • 100% tightness • Bidirectional flow • Polished disc edges to prevent damage to the seat • Does not require mounting seals • Maximum working pressure, according to PN • Working temperature between -10°C and 90°C.

24D

DOUBLE ECCENTRIC BUTTERFLY VALVE

DESCRIPTION

Double eccentric butterfly valves, for regulation and sectioning of the flow in water supply and distribution networks, pumping, irrigation... It ensures adequate and reliable closure at high pressures and is 100% watertight.

Great durability of the seal • AISI 304 stainless steel welded seat • 100% tightness • The seal can be changed without removing the valve • Maximum working pressure according to design pressure PN10/16/25.

25A

GROOVED TYPE BUTTERFLY VALVE

DESCRIPTION

Grooved butterfly valves, for supplying, pumping, supplying drinking water, treating and pumping dirty water...
They allow the regulation and sectioning of the flow in fire-fighting installations, supply and distribution of water and irrigation, especially designed for quick connection using clamps. It ensures an adequate and reliable seal at high pressures and is 100% watertight.

Minimal load loss • Bidirectional flow • Maximum working pressure 16 bar • Working temperature between -10°C and 90°C.

27A

DOUBLE FLANGE BUTTERFLY VALVE

DESCRIPTION

Double flange butterfly valves, for flow regulation and sectioning in water supply and distribution networks, pumping, irrigation... It presents minimal pressure drop due to the hydrodynamic design of the disc, it is 100% watertight and does not require any seals for installation.

Minimal load loss • Vulcanized seat that adjusts to the grooving with the body, thus avoiding wear and corrosion • 100% tightness • Bidirectional flow • Polished disc edges to prevent damage to the seat • Does not require mounting seals • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

31A

BALL CHECK VALVE

DESCRIPTION

Ball check valves to prevent fluid return in the event of a lack of pressure, specially designed to work with waste water, viscous or loaded fluids.

100% tightness • Stainless steel bolts • Stainless steel drain plug • Suitable for installation in horizontal and vertical position • WRAS certified for contact with drinking water • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

32A

RUBBERISED SEAT SWING CHECK VALVE

DESCRIPTION

Rubberised seat swing check valves used to stop the return of the fluid in case of a lack of pressure, designed to work both with clean and dirty waters. Low pressure drop and is 100% watertight.

Stainless steel bolts • Stainless steel drain plug • WRAS certified for contact with drinking water • WRAS certified for contact with drinking water • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

DUAL PLATE CHECK VALVES

33A

DESCRIPTION

Dual plate check valves are ideal for use in fire fighting, air conditioning, water distribution and irrigation installations thanks to their small size and high performance. 100% watertight.

100% tightness • Stainless steel shaft and spring • Maximum working pressure 16 bar • Working temperature between -10°C and 90°C.

AXIAL CHECK VALVE

35A

DESCRIPTION

Axial check valves to prevent the return of the fluid in case of lack of pressure, designed to avoid water hammer. Low pressure drop and is 100% watertight.

100% tightness • Stainless internal elements • WRAS certified for contact with drinking water • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

SINGLE AND DOUBLE WAVE RUBBER EXPANSION JOINTS

41A

DESCRIPTION

Rubber expansion joints to absorb and eliminate noise and vibrations in fluid lines. Their design allows longitudinal, transverse and angled movement. It presents minimal pressure drop, is 100% watertight and does not need joints for installation.

Minimal load loss • Continuous flow • 100% tightness • Bidirectional flow • Seals are not required for installation • Bursting pressure over 60 bar • Working temperature between -10°C and 120°C.

METAL COMPENSATORS

42A

DESCRIPTION

Metal compensators for working at high temperatures, allow axial dilatations, vibrations and small misalignments in the pipeline to be absorbed.

Minimal load loss • 100% tightness • Allow extensive longitudinal mobility • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 400°C.

Y STRAINERS

43A

DESCRIPTION

Y Strainers used to efficiently retain the elements in the fluid suspension. It has a purge plug for a quick and efficient cleaning of the retained elements and it is 100% water tight.

100% water tight • Purge plug for an easy cleaning • Working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

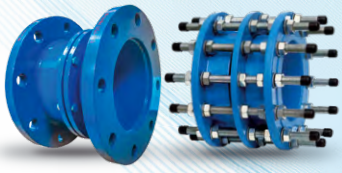
DISMANTLING JOINTS

44A

DESCRIPTION

Dismantling joints, used together with the valves for easy dismantling, without the need to replace the pipe.

Minimal load loss • O-ring seal, for 100% tightness • Mechanized intermediate flanges to house the seal perfectly • Allow extensive longitudinal mobility • Maximum working pressure according to design pressure PN10/16 • Working temperature between 0°C and 90°C.



TRIPLE EFFECT AIR VALVE

51A

DESCRIPTION

Triple acting air-release valve, for the release of air when filling pipes, for the admission of air when emptying pipes and for purging air during the normal operation of the installation.

100% tightness • Stainless steel screws • WRAS certified for contact with drinking water • Working temperature between -10°C and 90°C

FLOAT VALVE

52A

DESCRIPTION

Float valves for level control in tanks. The float can be positioned at a distance from the valve for easier installation.

100% tightness • Stainless steel shaft and spring • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C • The float can be positioned at a distance from the valve.

CONTROL VALVE

53A

DESCRIPTION

Control valves, for the automatic regulation of different characteristics of the installation such as pressure, flow or level. They provide the possibility of combining the parameters to be controlled as well as the remote control.

Wide variety of controllable features • 100% tightness • Maximum working pressure according to design pressure PN10/16 • Working temperature between -10°C and 90°C.

NON-RISING STEM GATE VALVE

11A

DESCRIPTION

Gate valves with non-rising stem, for fire fighting installations. It has low pressure drop and is full-flow, 100% watertight and is UL-FM certified.

Minimal load loss • 100% watertight • Bidirectional flow • Stainless steel bolts • Working pressure up to 16 bar • Flanges PN10/16 type RF • Working temperature between -10°C and 90°C.

RISING STEM GATE VALVE

11A

DESCRIPTION

Gate valves with rising stem, for fire fighting installations. It has low pressure drop and is full-flow, 100% watertight and is UL-FM certified.

Minimal load loss • 100% watertight • Bidirectional flow • Stainless steel bolts • Working pressure up to 16 bar • Flanges PN10/16 type RF • Working temperature between -10°C and 90°C.

WAFER TYPE BUTTERFLY VALVE

21A

DESCRIPTION

Wafer type butterfly valves, for fire fighting installations. Low pressure drop and is 100% watertight.

Minimal load loss • 100% watertight • Bidirectional flow • Seals are not required for installation • Stainless steel bolts • Working pressure up to 16 bar • Limit switches included • Working temperature between -10°C and 90°C.

GROOVED TYPE BUTTERFLY VALVE

25A

DESCRIPTION

Grooved type butterfly valves, for fire fighting installations. Low pressure drop and is 100% watertight and full flow.

Minimal load loss • 100% watertight • Bidirectional flow • Seals are not required for installation • Stainless steel bolts • Working pressure up to 16 bar • Limit switches included • Working temperature between -10°C and 90°C.

SPECIALISTS IN WATER MANAGEMENT SYSTEMS

MANUFACTURING RANGE

STANDARD MATERIALS

- **BODY:** GJS500-7 CAST IRON
- **INTERNALS:**
    - AISI304
    - BRONZE
- **EPOXY COATING**

SPECIAL MATERIALS

- **BODY AND INTERIORS:**
    - AISI304, ALLOY STEELS, TITANIUM, HASTELLOY
- **COATINGS:**
    - PPA, HALAR, RILSAN...
    - Certified protections ACS, FDA, KIWA and WRAS.

APPLICATION SECTORS

SUPPLY **IRRIGATION** **WASTEWATER** **DESALINATION** **MINING**

AIR VALVE

TYPES

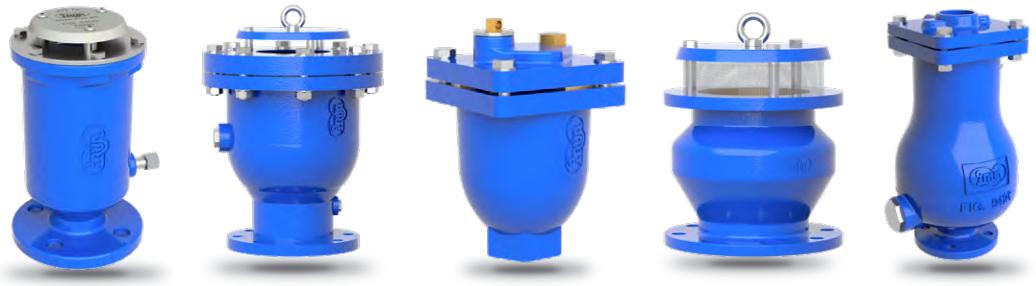
- AIR RELEASE VALVES
- DOUBLE ORIFICE AIR VALVES
- COMBINATION AIRE VALVES
- AIR VALVES FOR WATER PIPELINES

SIZE

- DN25 - DN500

PRESSURE

- PN6 - PN100



CONTROL VALVE

HYDRAULIC, ELECTRIC, MOTORIZED AND DIRECT ACTION ACTUATION

- PRESSURE MANAGEMENT
- FLOW MANAGEMENT
- MULTIPLE FUNCTIONS

SIZE

- DN25 - DN1600

PRESSURE

- PN6 - PN100

CHECK VALVES

DESCRIPTION

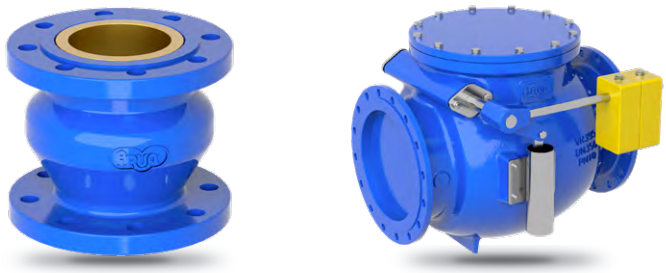
- QUICK RESPONSE
- EFFECTIVE PROTECTION AGAINST TRANSIENTS

SIZE

- DN25 - DN1000

PRESSURE

- PN6 - PN100



STRAINERS

DESCRIPTION

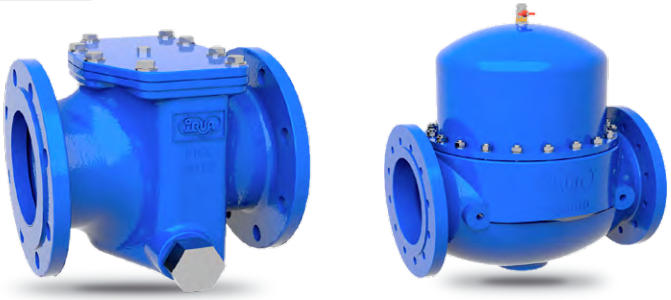
- EASY-EXTRACTION VERTICAL FILTER SCREEN
- LOW PRESSURE LOSS
-

SIZE

- DN25 - DN1000

PRESSURE

- PN6 - PN100



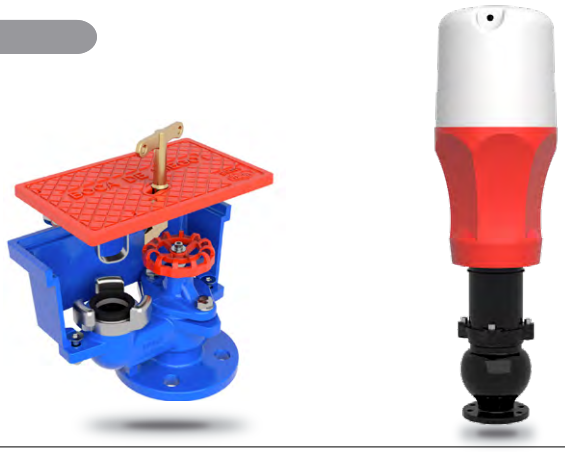
HYDRANTS AND IRRIGATION OUTLETS

DESCRIPTION

- IRRIGATION OUTLET
- UNDERGROUND HYDRANTS
- COLUMN HYDRANTS

EQUIPMENT CERTIFIED ACCORDING TO STANDARDS

DESIGN IN COMPLIANCE WITH LOCAL REGULATIONS



Partnership. With Guarantee.

STASTO

Bulevardul THEODOR PALLADY,
Nr. 51N latura de Vest a clădirii, Etaj 2
Bucuresti, Sectorul 3

www.promcom.ro