diaphragm valves
check valves
knife gate valves
penstock valves
Válvulas Zubi S.L. has been manufacturing valves since 1979, focusing its activities at first on the exclusive manufacture of diaphragm valves, a field in which the company has gained a prestigious reputation. Later, it expanded its production range and began to manufacture disk check and ball check valves also. It currently offers an even wider range of products which also includes knife gate valves, wall penstocks, channel penstocks and square knife gate valves.

Thanks to its more than 25 years’ experience and its ongoing commitment to improvement, Válvulas Zubi S.L. offers its customers a wide range of products that enables all kinds of solutions for every conceivable need. The main characteristics of our valves are their high quality, their perfect watertightness and their ease of handling. This of course would not be possible without the collaboration of all our staff and the use of equipment and procedures that enable us to ensure both continuity and improvement, as well as the optimisation of costs.

This enterprise supplies a long list of customers including water treatment plants, the chemical industry, thermal and nuclear power stations, paper mills, conversion companies and the food industry, among others.

Our products are sold on both the domestic market and to various countries in Europe, Asia, Australia and America. It is currently in the process of setting up a world-wide network of sales reps.
Manuals

- Handwheel operated

Automatics (air to close)

- Pneumatic operated: when flushing air, the diaphragm closes the path through the body.
- Manufactured valves with double acting actuator (TYPE AD2 and AD-V2).

Automatics (air to open)

- Pneumatic operated: when flushing air, the diaphragm opens the path through the body.
- Manufactured valves equipped with flow regulation (TYPE AI-VR).
Bodies

Model 100 (weir type)
DN 15 - DN 350

Model 85 (straight through type)
DN 15 - DN 300

Model 100E (angled shape)
DN 20 - DN 150

Model 99 (threaded weir type)
DN 15 - DN 80

Model 85/99 (threaded straight through type)
DN 15 - DN 80

Model 99BW (butt welding)
DN 15 - DN 80

Model 99SW (socket welding)
DN 15 - DN 80

* Available in straight through type

* All the bodies are interchangeable with any drives (manuals, automatics air to open and air to close).
* The bodies can be internally lined protecting from aggressive chemical attacks, except the threaded ones.
* Manufacturing norms: DIN-3202 and BS-5156. Both PN10/16 and ANSI 125/150Lbs. The threaded: NPT and GAS.
  Other norms under request.
  * Valves manufactured following European Pressure Equipment Directive PED 97/23/CE.

Dimensions

BODY MODEL 100 / WEIR TYPE

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* 735 Special size
** Zubi size: 750
BODY MODEL 85 / STRAIGHT THROUGH TYPE

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* 735 Special size

For manual valves

- Visual position indicator rule
- Handwheel padlock
- Electric actuator
- Chain-wheel
- Gear Box
- Mechanical limit switches

For automatic operated valves

- Mechanical limit switches (AD-V)
- Mechanical limit switches (AI-V)
- Solenoid valves
Check valves

Models

Model 113AR
(Tilting disk check valves)

- Available flange connections: PN10/PN16/PN25.
- It can be equipped with a spring or counterweight.

Model 114AR
(Disk check valves)

- Possibility to be lined.

Model 115AR
(Ball check valves)

- Possibility to be lined.

Model 115/99AR
(Threaded ball check valves)

* Other norms or flange connections under request.
* Valves manufactured following European Pressure Equipment Directive PED 97/23/CE.
Knife gate valves

Models

Model 200
DN 50 - DN 1200
- Unidirectional wafer type valve.

Full Lug model
DN 50 - DN 600
- Unidirectional lug type valve.

With bonnet
DN 50 - DN 600
- For 200 and Full Lug models.

Model 400
DN 50 - DN 600
- Unidirectional wafer type valve.
- Lateral clearing holes.
- Specially designed for silo discharge applications.

* TAPPI MODEL (HEAVY DUTY VALVE): Which differ from the Fully Lugged Model 200 in the thickness of body and gate. Higher Design Pressure (DP) 10 Bar from DN50 to DN600.

Types of seat

1. SOFT SEATED
2. METAL SEATED
3. METAL SEATED WITH DEFLECTING CONE 15°
4. SOFT SEATED WITH DEFLECTING CONE 15° AND SCRAPER 8°

1. FIXING RING
2. SOFT SEAT
3. SCRAPER 8°
4. DEFLECTING CONE 15°
Model 300 (Through conduit knife gate valve)
DN 50 - DN 700

Short through conduit model
DN 50 - DN 600

Round-square model
DN 50 - DN 600

- Bidirectional wafer type valve.
- Bidirectional wafer type valve.
- Unidirectional wafer type valve.

△ Types of seat

SOFT SEATED

METAL SEATED

METAL SEATED WITH DEFLECTING CONE 15°

1. FIXING RING
2. SOFT SEAT
3. SCRAPER 8°
4. DEFLECTING CONE 15°

SOFT SEATED WITH DEFLECTING CONE 15°

SOFT SEATED WITH SCRAPER 8°

SOFT SEATED WITH DEFLECTING CONE 15° AND SCRAPER 8°

Square model

Types of seat

- Unidirectional valve.
- Designed depending on the working conditions.
- Available with bonnet.
Fabricated construction knife gate valve

- Unidirectional or bidirectional flanged or wafer type.
- Fabricated construction body and bonnet.

High pressure knife gate valve

- Unidirectional flanged type.
- Monobloc body and cast bonnet.

Dimensions

MAXIMUM WORKING PRESSURES RECOMMENDED:
DN50 - DN250 = 16 kg/cm²
DN300 - DN400 = 6 kg/cm²
DN450 = 5 kg/cm²
DN500 - DN600 = 4 kg/cm²

CONTRAPRESSURES (MODEL 400):
DN50 - DN250 = 24 kg/cm²
DN300 - DN400 = 20 kg/cm²
DN450 = 1.2 kg/cm²
DN500 - DN600 = 1 kg/cm²

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* Higher diameters under request

* Valves manufactured following European Pressure Equipment Directive PED 97/23/CE.
All the drives are interchangeable with any knife gate valves.

Accessories

- Solenoid control valves.
- Inductive proximity sensors.
- Mechanical limit switches.
- Stops mechanical.
- Rubber sleeves.
- Extensions.
- Diaphragm for regulation.
Penstock valves

Models

- Four side seal valve.
- Tightness: 100%.
- Different shapes available: square, rectangular & round.
- On & Off seat. Under request.

Wall penstocks

Channel penstocks

- Three side seal valve.
- Different shapes available: square & rectangular.

* OVERFLOW GATE VALVE: Three side seal valve.
* FLAP VALVE: Intended to prevent backflow. Wall assembly as end of line or pipe assembly.

* Penstock valves designed depending on the working conditions.
* Valves manufactured following European Pressure Equipment Directive PED 97/23/CE.

Drives

- Handwheel.
- Electric actuator.
- Gear box.
- Pneumatic actuator.

* All the drives are interchangeable with any penstock models.