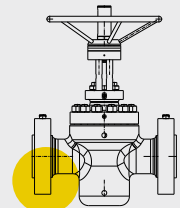
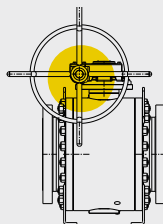
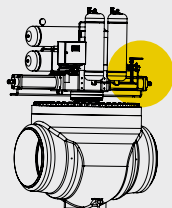
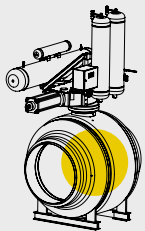


COMPANY & PRODUCT OVERVIEW'18



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Ziya Ergin, Istanbul Workshop in Karakoy, 1945 / Istanbul-Turkey

VASTAS

Designing and producing safe, long lasting valves for the industry. Uses its expertise for maintenance, repair and renewal of all valve system and extended for all brands.

DESIGN

Using 73 years of site experience, Vastas designs advanced valve solutions, including tailor-made valves for the most complex needs.

PRODUCE

Vastas's 21.000m² production plant differs from others with its in-house capabilities. Machine park has over 300 key machines and tools including CNC's, test benches, welding, heat treatment, coating etc. The production facility and all processes are in line with the QHSE management system.

SERVICE

Heritage of Vastas is its site service, which has a history that dates back to 1930's. Today, Vastas is a service provider for all valve and actuator brands.

ESTABLISHMENT

1945

LOCATION

Turkey

CAPACITY

11.000 tons / year

PERSONNEL

250

FOCUS

Pipeline Valves

PRIMARY INDUSTRIES

Oil & Gas, Energy, Water

PRODUCT LINE

Ball, Gate, Check, Plug, Globe Valves, Hydraulic & Pneumatic Actuators

ACCREDITATION

SIL 2 & 3 / Since 2015

API 6D / Since 2003

API 600 / Since 2006

API 6A / Since 2012

API 602 / Since 2012

NACE / Since 2010

ATEX / Since 2010

ASME U Designator / Since 2016 (ASME Sec. 8 Div 1)

ISO 9001 / Since 1997

ISO 14001 / Since 2003

OHSAS 18001 / Since 2003

CE / Since 2002

You can visit our website to review the certificates.

FOUNDATION & HISTORY

In 1945, after years of field experience, two masters Ali & Ziya started a 12 sqm. workshop in Karakoy Istanbul. That small workshop became the origin of Vastas and the Valve business. Today VASTAS is operating at a 21.000 sq. meter production facility and exporting over 70 countries worldwide.

Milestones

First workshop -----	1945
First valve production -----	1967
Corporate status/Vastas brand was born -----	1979
First investment/New plant was build at Cerkezkoy OSB -----	1986
Becomes the first Turkish valve manufacturer with API 6D monogramme.	
Applies QHSE Integrated Management System, acc.to API 1 and ISO 9001, 14001, OHSAS18001 certified -----	2003
Re-enlargement/ Increasing the capacity by 110% and the overall sales by 250% -----	2004
Product Development & Licence / API 600 monogram licence received, Actuators included in the production range -----	2006
Growth & Sustainable Development/increased it's personnel capacity by 250% -----	2011
Vastas produces Turkey's Biggest NGPL Ball Valve 56 inches.	
API 6A, API 602 certified -----	2012
Production of 48" Top Entry Ball Valve, the fist valve company certificated SIL 2&3.	
International Quality Award -----	2015
ASME -U Designator acc.to Asme Sec. VIII, Div 1 -----	2016
Earns a milestone reference, producing all tank storage and pipeline valves of the giant airport IGA -----	2017

VISION & MISSION

Our Vision

Our aim is to become one of the leading global brands, manufacturing industrial valve & actuators.

Our Mission

With our commitment to future generations; Our mission is to ensure a sustainable environments for all living kinds and update our values for the society.

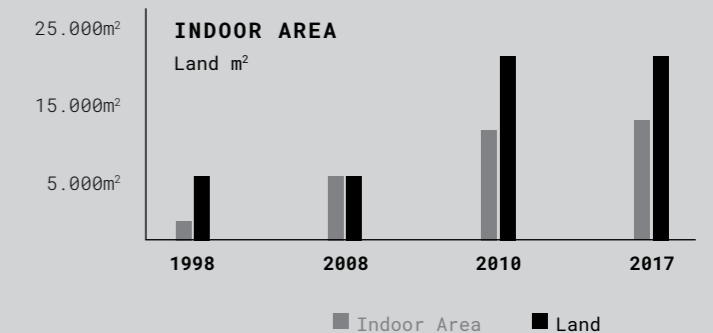
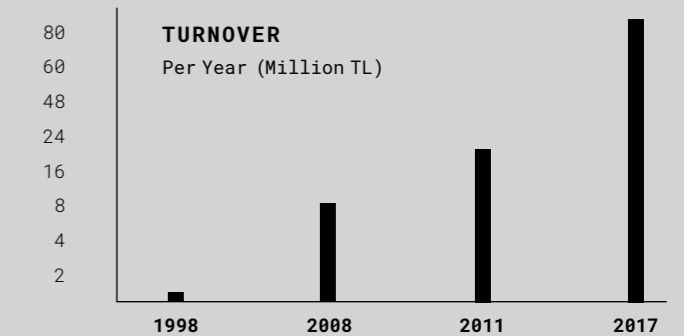
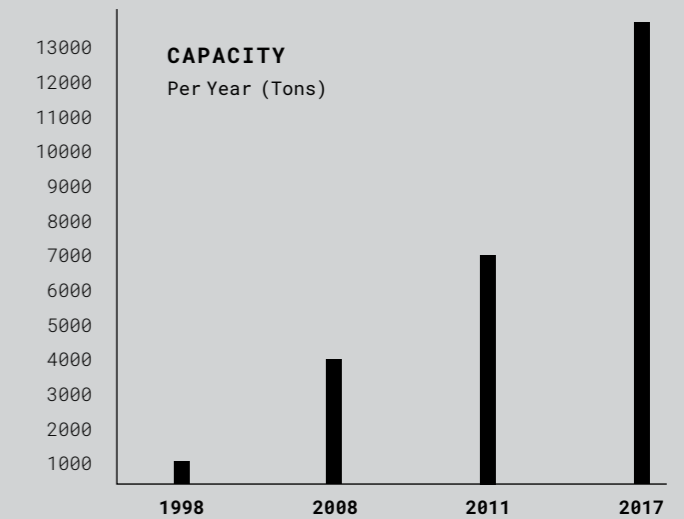
Our Policy

Vastas's Policy is to create optimum value from what is spent. To reward the time and men-power spent, to contribute brainpower. To ensure the sustainability of the natural sources spent, to invest in the future of the community and environment.

Our Values

- Sustainable life for all
- Transparency
- To bear yesterdays responsibility
- Be the best of today
- Serve the product of tomorrow
- Continuous development of quality
- Customer-focused services

Improvement Report





INDUSTRIES SERVED

NATURAL GAS

Vastas API Spec. 6D valves and combined valve systems are manufactured for the needs of natural gas production facility and pipeline projects. They are designed to be used at line blocking, pigging stations, compression stations, regulating & metering stations, loops and rake-off process.

The valve systems designed for Natural Gas projects are offered as emergency shut down, line-break, shut-off, differential pressure controlled, remote and/or local controlled.

Economical life of Vastas pipeline valves are 40 years and alternatives depending on operational conditions and maintenance preferences may be supplied upon request.

You may find best-suited type to your line maintenance procedure between full-welded, split body, top entry alternatives. Services on live pipeline, line-break, part renewal or maintenance are also Vastas's expertise area and offered as a full facility package and not limited with own brand.

CRUDE OIL

Vastas manufactures valves for crude oil transmission pipelines, complying with the requirements of API Spec 6D and API Spec 6A Valves for wellhead needs.

Preferred application areas are line blocking, pigging stations, metering stations, terminals and wellheads.

Services on live pipeline, and various after-sales, maintenance, repair, refurbishment services are also Vastas's expertise area and offered as a full facility package and not limited with own brand. With 80 year of field experience, it can offer solutions in cases of limited maintenance possibility.

FUEL

Vastas API Spec 600 valves are applicable for Fuel and other oil products and used in terminals and storage facilities. These valves designed for fuel storage, tank farms and jetty pipeline are offered manual or, with remote or local control and as emergency shutdown or shut-off purposes.

WATER SUPPLY

Vastas's high pressure valves are suitable for water pipelines complying to international standards and/or to AWWA standards.

WASTE WATER

Vastas valves are well suitable for wastewater pipelines complying with AWWA standard. Applications are made for wastewater plants resisting corrosion.

SEA WATER & DESALINATION

Saline water applications are subject to extreme conditions and with its R&D strength and manufacturing flexibility Vastas can offer valves with special materials and design.

HOT WATER

Vastas designs valves for energy projects including thermal power plants, complying with AWWA standards and ASME Sec III and B16.34 standards.

GEOTHERMAL WATER

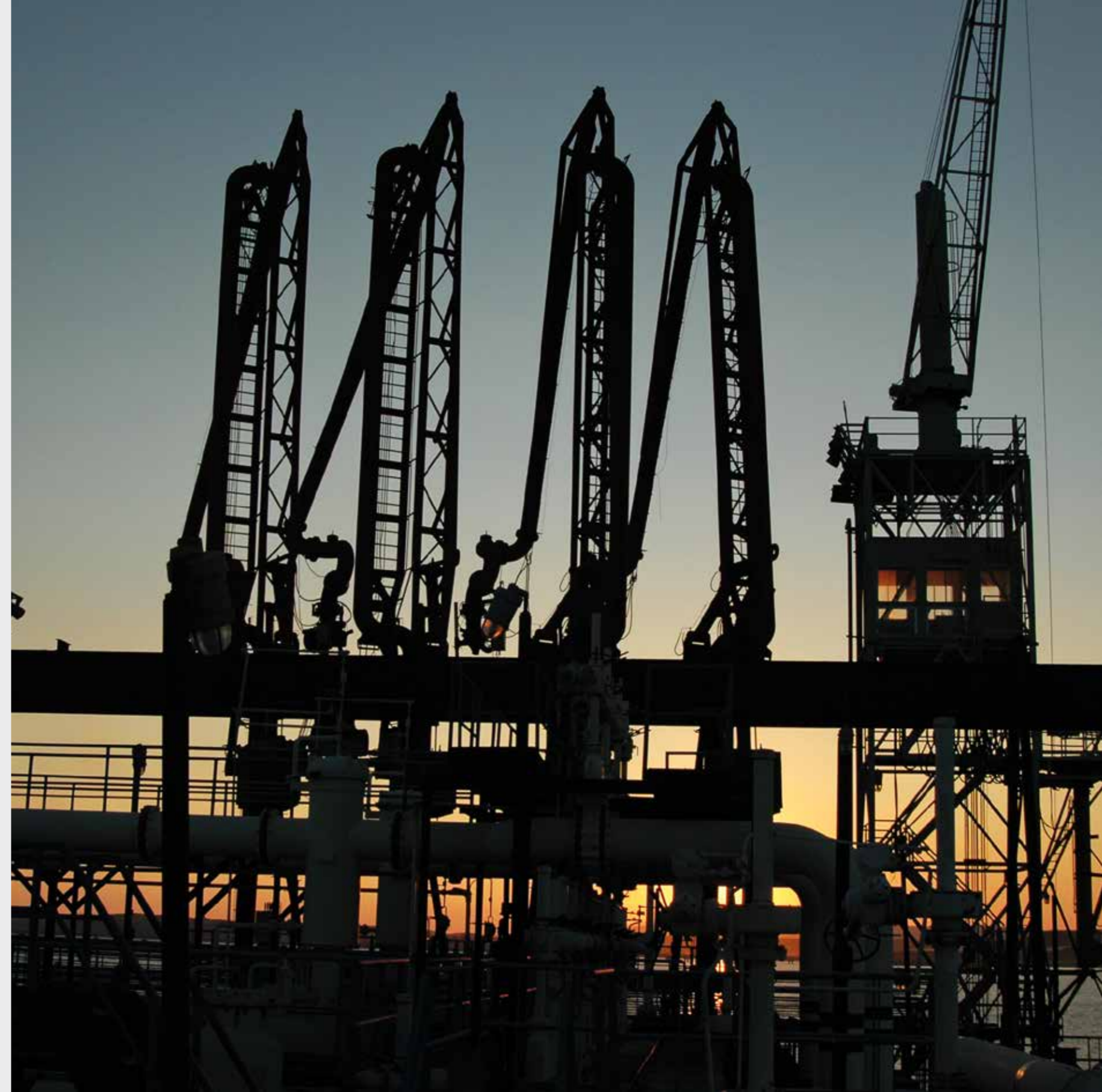
Vastas valves are well suitable for hot water pipelines from geothermal facilities complying with AWWA standards and ASME Sec III and B16.34 standards.

Vastas produces valves and actuators for water projects, especially for high pressure. Please note that these kind of valves are not in our main manufacturing program, they are manufactured upon request.

POWER PLANTS & CRITICAL APPLICATIONS

Vastas product range includes valves for high pressure and high temperature applications that are suitable for power plants including Combined Cycle Power Plants, Thermal Power Plants, Geothermal Power Plants, Solar-Thermal Power Plants, Hydro-Electric Power Plants etc.

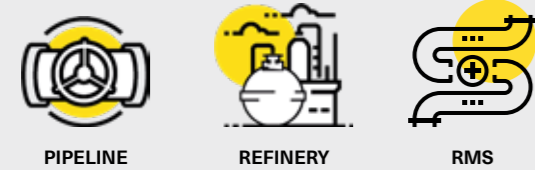
It offers tailor-made valve solutions for severe services and critical applications for various industries and plants, including power stations.



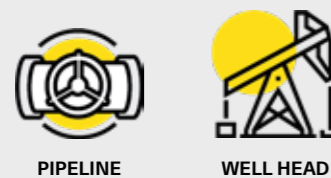
OPERATION SOLUTIONS

Vastas offers complete valve systems and various solutions from single source. Vastas valve and actuator systems can be listed in eight main groups.

ESDV EMERGENCY SHUT DOWN VALVE SYSTEMS



LBV LINE BREAK VALVE SYSTEMS



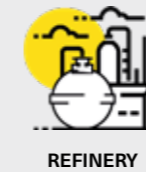
SDV SHUT DOWN VALVE SYSTEMS



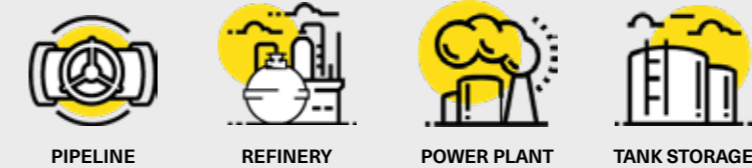
SSOV SAFETY SHUTOFF VALVE SYSTEMS



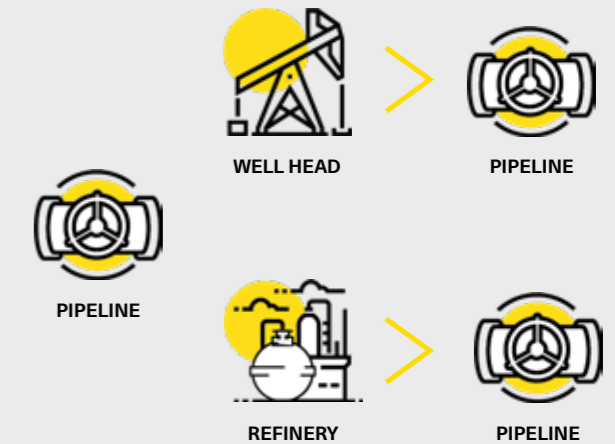
BDV BLOW DOWN VALVE SYSTEMS



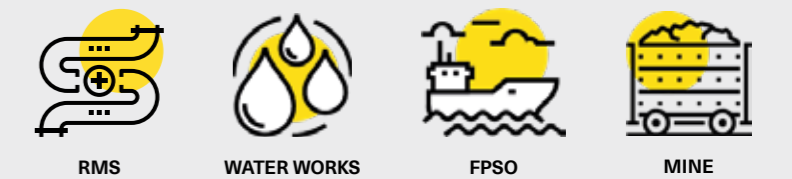
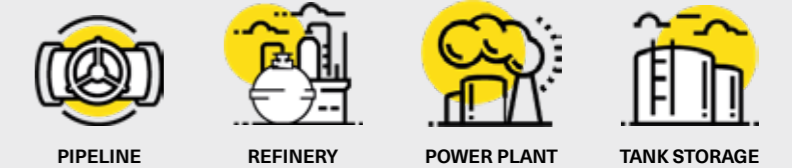
PROCESS VALVE SYSTEMS



HIPPS HIGH INTEGRITY PRESSURE PROTECTION SYSTEMS

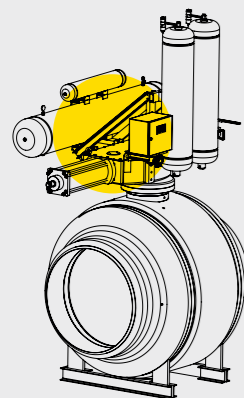


MOV MOTOR OPERATED VALVE SYSTEMS



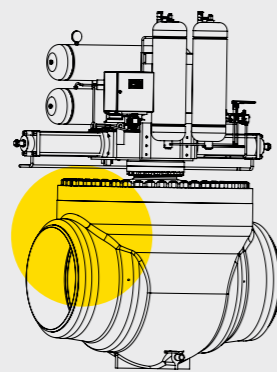
PRODUCT RANGE

Main Product Range is Ball Valves, Gate Valves, Check Valves, Globe Valves, Plug Valves, Hydraulic Actuators & Pneumatic Actuators.



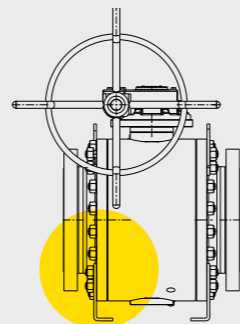
Full Welded Ball Valves

API 6D monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



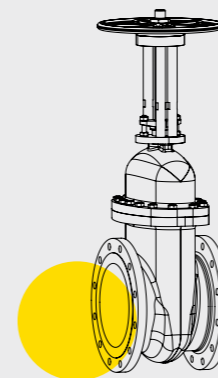
Top Entry Ball Valve

API 6D monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



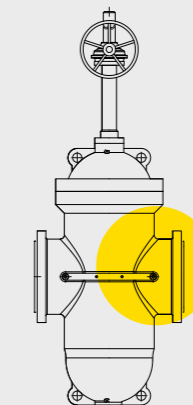
Split Body Ball Valves

API 6D monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



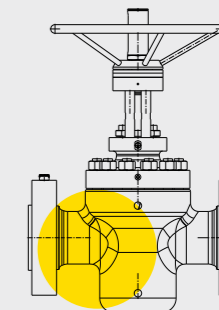
Wedge Gate Valves

API 600 monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



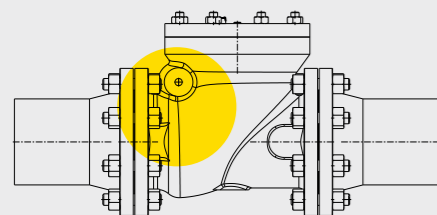
Conduit Gate Valves

API 6D monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



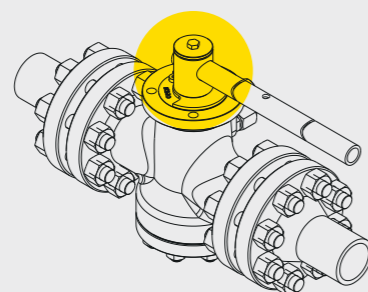
API 6A Gate Valves

API 6A monogrammed
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



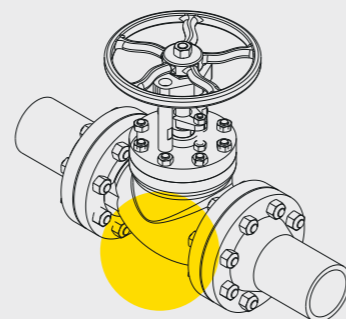
Check Valves

API 6D monogrammed
ATEX, PED



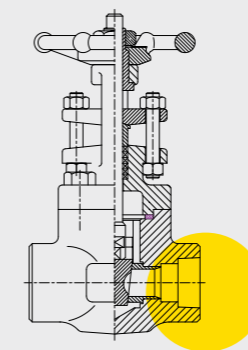
Plug Valves

API 6D monogrammed
ATEX, PED



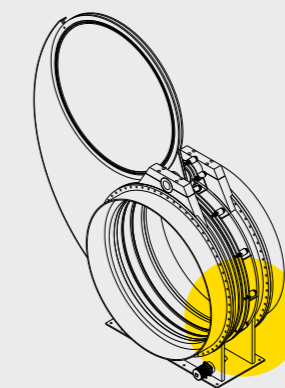
Globe Valves

BS 1873 / API 623
Safety Integrity Level (SIL) 2 & 3,
ATEX, PED.



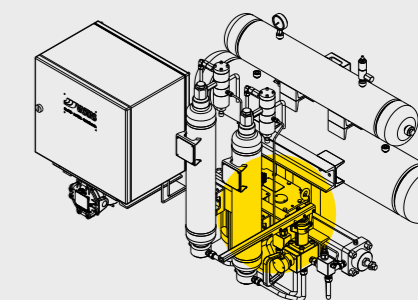
Compact Forged Valves

API 6D / API 602 / API 608/ BS 5352 /
ISO 17292
Safety Integrity Level (SIL) 2 & 3,
(E604 & E60T)



Tailor Made

As a designing and manufacturing company we are not limited with the product range, we offer tailor made valve and actuator solutions as well.



Hydraulic & Pneumatic Actuators

ASME U-Stamp, Safety Integrity Level (SIL) 2 & 3, ATEX, PED.

BALL VALVES



FULL WELDED BALL VALVES

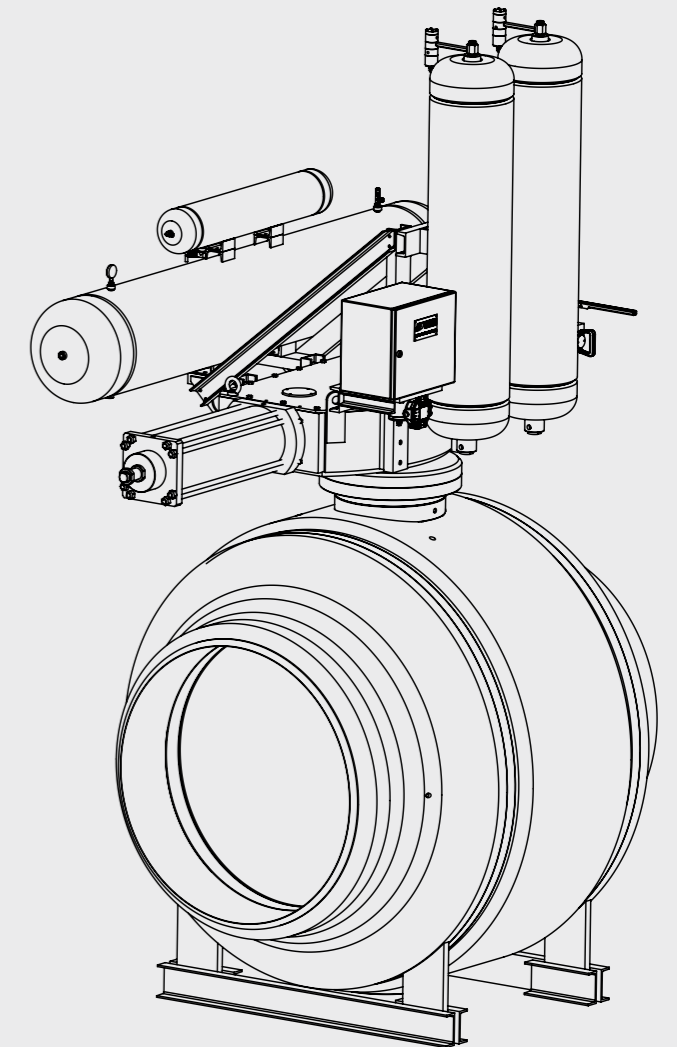
These types of valves are mostly forged steel. The body of valve is constructed by welding of all parts except stem housing. No sealing elements are used which might cause leakage through. Inspection and maintenance of such valves may be executed on live line.

SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E60M Full Welded Forged Steel Ball Valves NPS 2"-60" | DN 50-1500 | CLASS 150-1500# | STD API 6D

They are especially used in Natural Gas & Crude-Oil Pipelines for above and underground applications. Generally used between -46°C up to 120°C.

It can be manufactured with various materials, PSL2 level can be obtained upon request.



TOP ENTRY BALL VALVES

These types of valves are being used for Natural Gas and Crude Oil Pipelines, NG Pipeline Pig Stations, Compressor and Measuring Stations, RMS Pressure Regulating and Measuring Stations for above & underground applications. Generally used between -46°C up to 100°C. PSL2 level can be obtained upon request and it can be manufactured with various materials.

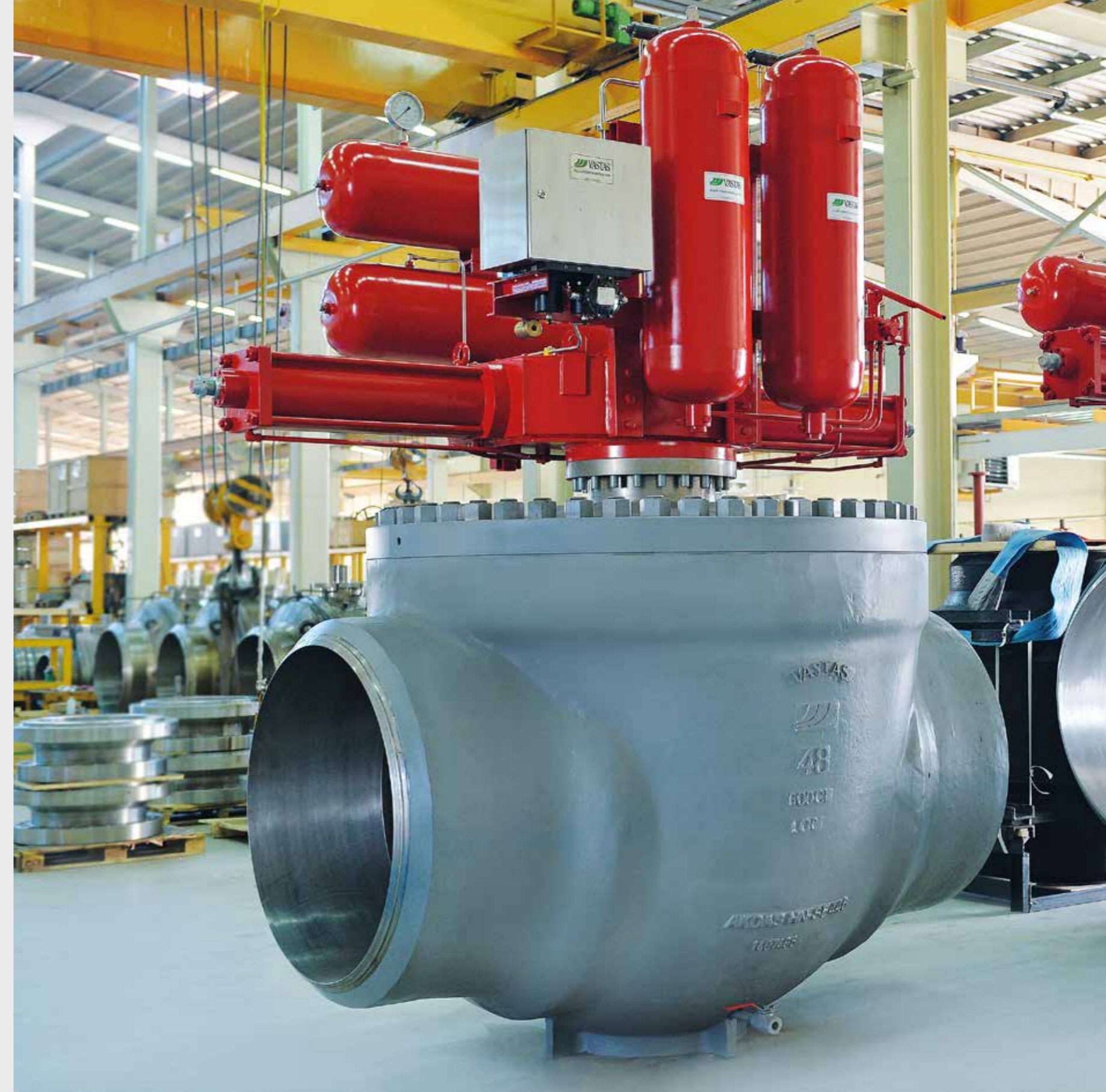
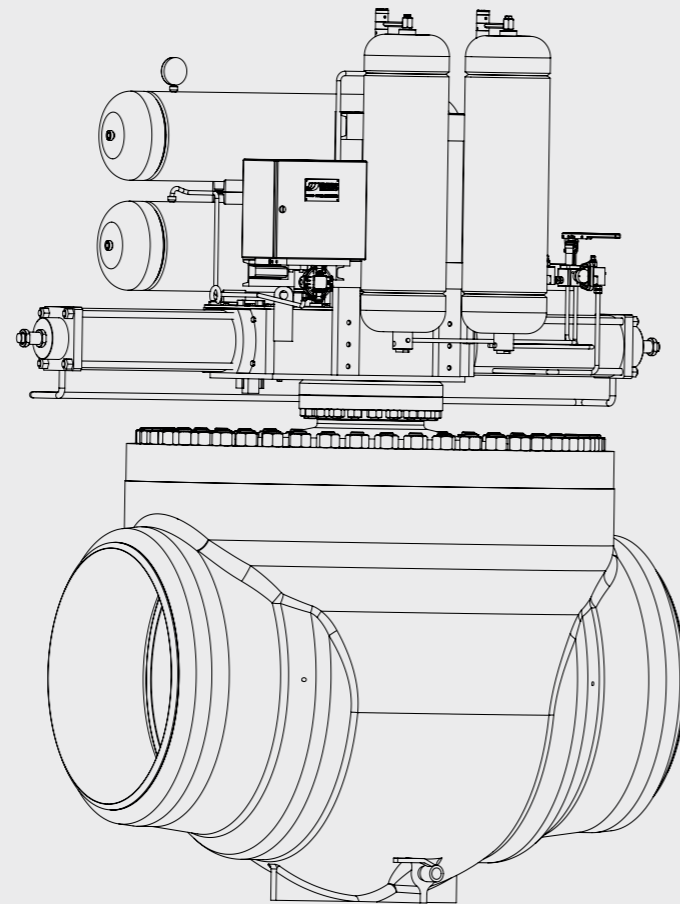
SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E60T Top Entry Ball Valves

NPS 3"-48" | DN 80-1200 |
CLASS 150-1500# | STD API 6D

Top Entry Ball Valves are mainly used in pipelines. It is directly connected to the pipeline by welding.

Although the general features are same with Full Welded or Split Body Ball Valves, the biggest difference is that the ball can get in or get out from the top of the valve which makes it possible to carry out maintenance, repair and to replace spare parts without removing the valve from pipeline. Other features are similar with Full Welded and Split Body Ball Valves.

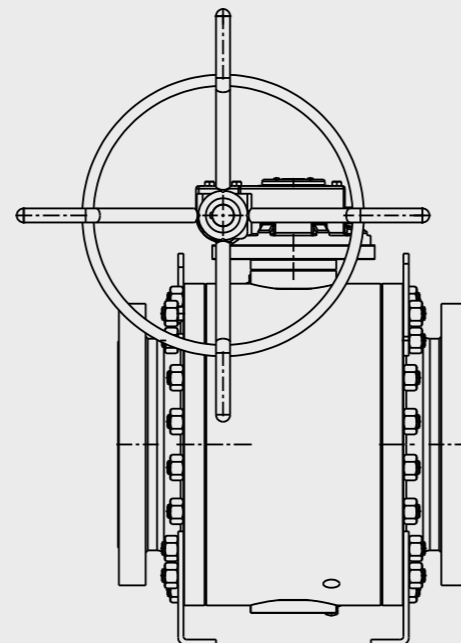


SPLIT BODY BALL VALVES

Split Body Ball Valves are made from forged steel with flanged connections.

The body of valve is constructed by welding of all parts except stem housing. No sealing elements are used which might cause leakage through. Inspection and maintenance of such valves may be executed on live line.

SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.



E601 Split Body Ball Valves – Forged, DBB

NPS 2”-56” | DN 50-1400

CLASS 150-2500# | STD API 6D

This type of valves are being especially used as line valve in Natural Gas and Crude Oil Pipelines, Pig Stations, Compressor and Measuring Stations and Pressure Regulating and Metering Stations (RMS), Pumping Stations and Loading Terminals.

When required, it can be manufactured specially for Sea Water, Waster Water, Mineral Mud (Slurry) by using suitable material in accordance to NACE Corrosion Standards.

Generally it is used between -46°C up to 100°C. It can be manufactured with various materials upon request and PSL2 level can be obtained.

E603 Split Body Ball Valves – Forged, DBB, Triple Seat Type

NPS 2”-56” | DN 50-1400

CLASS 150-600# | STD API 6D

This is same type with E601 (our standard split body ball valve) but It’s seat design is patterned and manufactured as triple seat and it’s features are as follows;

- firstly it has PSSM type double piston effect ring
- secondly it is supported with PSSM type self relief (single piston effect) ring
- finally with the sealent between the both seat rings, the leak-proof ring is provided

This feature prevents the contamination damages.

OTHER BALL VALVES

E60L Full Welded Ball Valve – Triple Seat Type

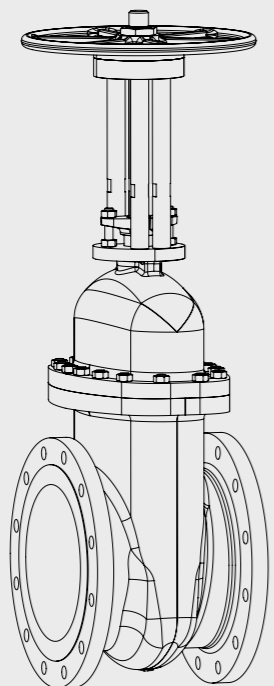
NPS 2”-56” | DN 50-1400 | CLASS 150-1500# | STD API 6D

E607 Floating Ball Valve

NPS 2”-8” | DN 50-200 | CLASS 150-300# | STD API 6D, API 608



GATE VALVES



WEDGE GATE VALVES

Vastas Wedge Gate Valves are API 600 licensed. They are preferred as closure (shut-down) valves.

Upon request it can be manufactured in bigger sizes and from various materials. Custom-made wedge gate valves are manufactured to meet the requirements for high-pressure water, sea-water and waster-water systems.

SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E500 Cast Steel Wedge Gate Valve
 NPS 2"-72" | DN 50-1800 |
 CLASS 150-2500# | STD API 600

E50F Wedge Gate Valve – Pressure Seal Bonnet Type
 NPS 3"-16" | DN 80-400 |
 CLASS 900-2500# | STD ASME B16.34



CONDUIT GATE VALVES

Vastas Conduit Type Valves are API 6D licensed. They are suitable as line valves. Like Ball Valves they have DBB, FB, ASD, FSD, SLS, ESL features. They are suitable for pig transmission too. They can be used both for above ground and under ground applications.

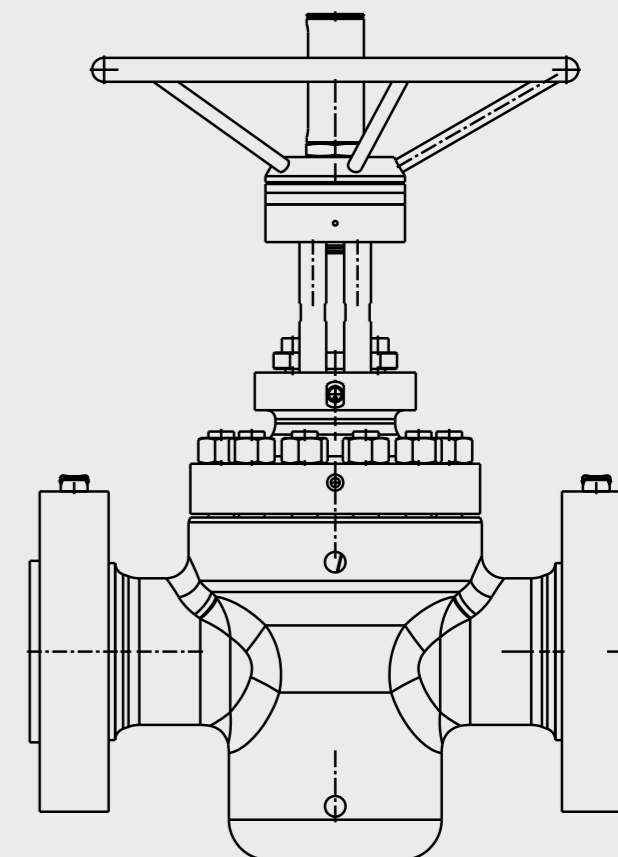
It can be used as an isolating valve in pig loading-unloading platforms, in pump or compressor & in RMS stations, storage and distribution terminals.

SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E50B Through Conduit Slab Gate Valve
 NPS 2"-72" | DN 50-1800
 CLASS 150-900# | STD API 6D

E50D Through Conduit Double Expanding Gate Valve
 NPS 4"-36" | DN 100-900
 CLASS 150-600# | STD API 6D

E50P Through Conduit Gate Valve
 Pressure Seal Bonnet Type
 NPS 4"-24" | DN 100-600
 CLASS 900-2500# | STD API 6D

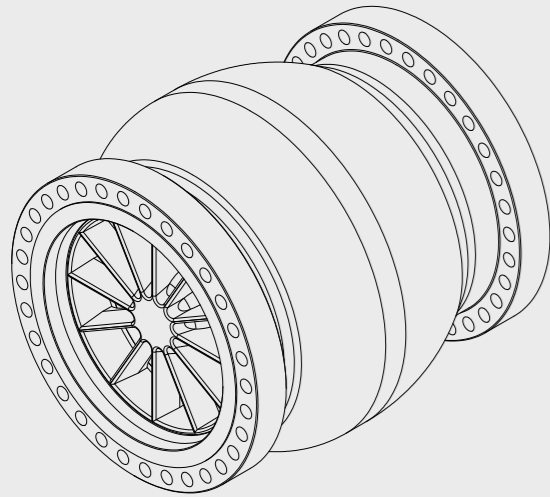


API 6A GATE VALVES

This type is designed for wellhead and pipeline needs. It has conduit features. It can be used with hydraulic control and self-acting.

E50A Expanding or Slab Gate Valve
 NPS 2"-13" | DN 50-350 |
 CLASS 3000-5000-10000# | STD API 6A

CHECK VALVES



This is a non-return type valve for preventing back flow.

It works automatically according the flow direction, upon request, controlled operation is an available option through additional device.

When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E400 Swing Check Valve
NPS 2"-48" | DN 50-1200
CLASS 150-2500# | STD API 6D

E40D Dual Disc Check Valve
NPS 2"-48" | DN 50-1200
CLASS 150-600# | STD API 6D

E40N Nozzle Check Valve – Axial Type
NPS 2"-48" | DN 50-1200
CLASS 150-600# | STD API 6D



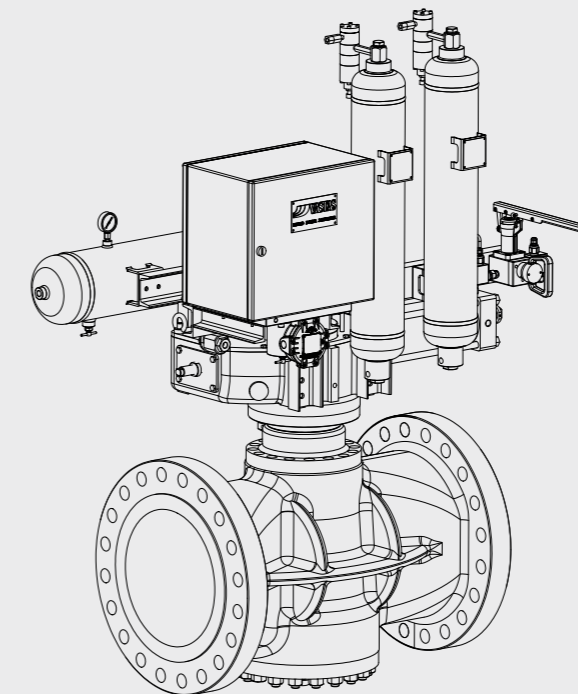
PLUG VALVES

Plug Valve is an auxiliary valve used in opening and throttling of high pressurized systems. It is used as bypas to the line valve; it balances the pressure and provides the safe opening of line valve.

Plug valves have a conical or cylindrical obturator rotating around the axis perpendicular to the flow direction.

When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E100 Pressure Balance Plug Valve
NPS 2"-30" | DN 50-750
CLASS 150-600# | STD API 6D

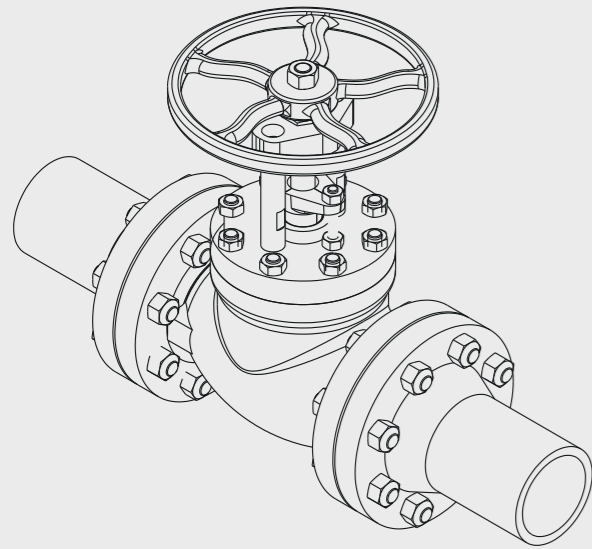


OTHER PLUG VALVES

WEDGE PLUG VALVES

E10D Wedge Plug Valve, Nonlubricated – Full-bore
NPS 6"-24" | DN 150-600 | CLASS 600# | STD API 6D

GLOBE VALVES



Vastas Globe Valves are commonly used for flow control. They are used for regulating and throttling at various pressures or flow rates and can suit to lines with frequent on/off operations. This type is not a closure valve.

The advantage of Globe valves is; they operate smoothly even during sudden opening/closing operations at the line. They are not effected by shocks and vibrations created by the flowing fluid. They do not generally require by-pass systems.

SIL 2 & 3 certified. When required it can be manufactured from special material according to NACE corrosion standards and/or temperature class.

E300 Globe Valve – Plug-Ball Disc
NPS 2"-16" | DN 50-400 | CLASS 150-1500# | STD BS 1873

E30B Globe Type Control Valve
NPS 2"-16" | DN 50-400 | CLASS Flanged:150-1500# Weld End:900-2500# | STD BS 1873



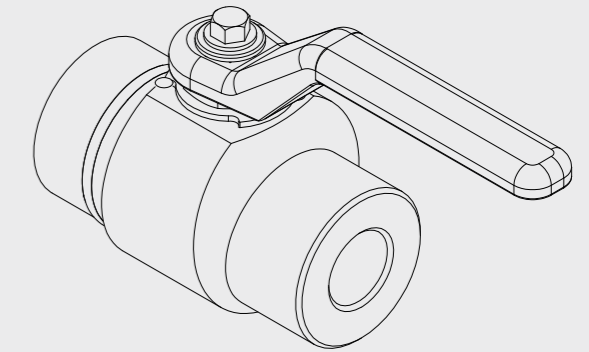
COMPACT FORGED VALVES

COMPACT FORGED BALL VALVES

E604 Full Welded Ball Valve – Floating with Cap/Lever Underground Type
NPS 1/2"-3" | DN 15-80
CLASS 150-1500# | STD ISO 17292, API 608

E60K Full Welded Floating Ball Valve – Forged
NPS 1"-4" | DN 25-100
CLASS 150-600# | STD API 6D, API 608

E60T Top Entry Ball Valve – Floating Type
NPS 1/2"-2" | DN 15-100
CLASS 150-1500# | STD API 608



COMPACT FORGED GATE VALVES

E504 Gate Valve Bolted Bonnet – Rising Stem
NPS 1/2"-2" | DN 15-50
CLASS 150-800# | STD API 602, BS 5352

E505 Gate Valve Bolted Bonnet – Rising Stem
NPS 1/2"-2" | DN 15-50
CLASS 150-1500# | STD API 602, BS 5352

COMPACT FORGED CHECK VALVES

E404 Check Valve, Lift, BB, Plug type Disc – Welded Integral Body Seat
NPS 1/2"-2" | DN 15-50
CLASS 150-1500# | STD API 602, BS 5352

COMPACT FORGED PLUG VALVES

E104 Plug Valve, BC Inverted Plug – Lubricated
NPS 1/2"-2" | DN 15-50
CLASS 150-1500# | STD API 599

COMPACT FORGED GLOBE VALVES

E304 Globe Valve, BB, Plug Type Disc – Weld Integral Body Seat
NPS 1/2"-2" | DN 15-50
CLASS 150-1500# | STD API 602, BS 5352

E305 Globe Valve, Bolted Bonnet – Plug Type Disc
NPS 1/2"-2" | DN 15-50
CLASS 150-1500# | STD API 602, BS 5352

TAILOR MADE

As a designing and manufacturing company we are not limited with the product range, we offer tailor made valve and actuators solutions as well. Some of the tailor made valves are below:

E804 Goggle Valve

NPS 12"-120" | DN 300-3000 |
WORKING PRESSURE 50 mbar-1500 mbar

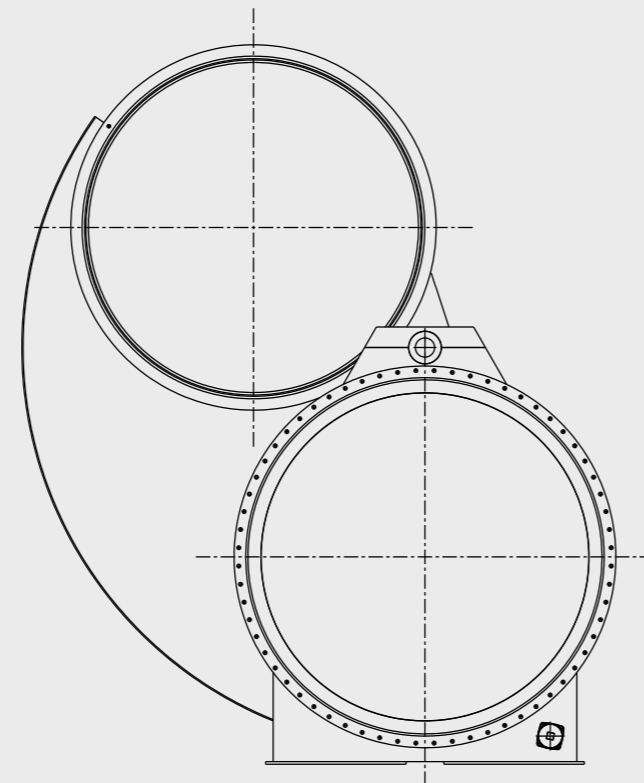
These type of valves are used for the isolation of downstream flow. They are typically used in 12" (DN300) to 120" (DN3000) diameter lines. They provide %100 'man-safe' shut-off.

Goggle valves are frequently found in the petrochemical, steel and oil industries. Commonly used applications are furnace gas and coke gas lines.

E701 Strainer

NPS 4"-32" | DN 100-800 | CLASS 150-1500#

Strainers are produced from cast steel body. The flow is conveyed inside the body and basket screen where particles larger than the mesh are captured meanwhile the flow passes through the screen and returns to pipeline. Strainers are used in crude oil pipeline, gas stream applications, sea water, hot water and saturated water pipelines.



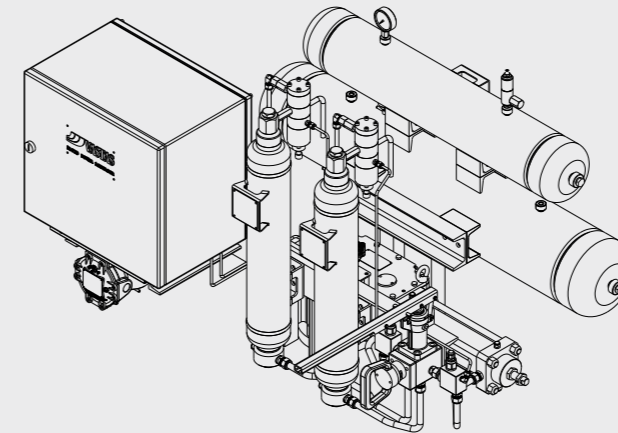


ACTUATORS

HYDRAULIC ACTUATORS

Working Pressure: 20-350 Bar

Temperature range of -29°C to +80°C.
(-60°C upon request)



Linear Hydraulic Actuators

These are used for automation of Globe, Gate and Control Valves by means of hydraulic piston. Opening and closing of valve obturator are maintained by hydraulic power. Control devices for such actuators are designed depending on application fields. Spring Return or Double Acting types of Linear Hydraulic Actuators are available, too.

Quarter Turn Hydraulic Actuators

Vastas prefers the Quarter Turn Actuators with canted scotch yoke mechanism, which provides torque advantage when critical torques are required. Open/close motions of valve is provided by hydraulic piston power and spring power. Close with spring or open with spring types are manufactured. When high torque is required, they may be produced as double acting. They have smaller piston diameter but higher pressure output than similar pneumatic actuators.

PNEUMATIC ACTUATORS

Working Pressure : 6-12 Bar

Temperature range of -29°C to +80°C.
(-49°C upon request)

Linear Pneumatic Actuators

These are used for automation of Globe, Gate and Control Valves by means of pneumatic piston. Opening and closing of valve obturator are maintained by pneumatic power. Control devices for such actuators are designed depending on application fields. Spring Return or Double Acting types of Linear Pneumatic Actuators are available, too.

Quarter Turn Pneumatic Actuators

Vastas prefers the Quarter Turn Actuators with canted scotch yoke mechanism, which provides torque advantage when critical torques are required. They may be designed & produced as Spring Return or Double Acting Type.

Gas Over Hydraulic Actuators

These are designed for usage in Natural Gas Pipelines, working with line pressure. They can automatically operate under each weather condition where no personnel and electric energy are present. Various types are offered depending on application, pressure fluctuation, climate and field conditions, etc.

Electro Hydraulic Actuators

Electro Hydraulic Actuators with canted scotch yoke mechanism, which provides torque advantage when critical torque is required and may be produced as double acting. Alternative energy sources can be added upon request. They can operate using the energy, collected in the reservoir tanks.

ACTUATORS

Quarter Turn Actuators / **G**
Linear Actuators / **A**

USAGE AREAS

Pipelines, Iron & Steel, Energy Facilities, Drinking Water Lines, Compressor Stations, Pumping Stations, Pressure Reducing Station

GENERAL FEATURES

Local & Remote Control (Standard), ESD, Emergency Reservoir, Partial Stroke Test (Optional)

GO | **Gas Over Hydraulic Actuator**

- AO** | Working Pressure: 10-120 Bar
- 29 to +80 Working Temperature
- 60 Working Temperature (Available upon request)
- It can be used as Line Break System
- It can be used as Emergency Shut Down System

GD | **Double Acting Hydraulic Linear or** **AD** | **Quarter Turn Hydraulic Actuators**

- Working Pressure: 20-350 Bar
- Hydraulic Oil
- Working in different voltage supplies is optional
- Manual Hand Pump
- Exproof Protection
- IP Protection
- 29 to +80 working temperature
- 24, 48, 110 V AC/DC Control Voltage
- Works through the actuator or external Hydraulic Power Pack
- 60 Working Temperature (Available upon request)

GS | **Safety Shut-Off Valve & Actuator** **AS** | **System for High and/or Low Pressure Close**

- Working Pressure: 10-112 Bar
- 29 to +80 Working Temperature
- 60 working temperature (Available upon request)
- 150-300-600 Pressure Class (Available upon request)

GI | **High Pressure Gas Double** **AI** | **Acting Actuator System**

- Working Pressure: 16-120 Bar
- 29 to +80 Working Temperature
- 60 Working Temperature (Available upon request)
- 150-300-600 Pressure Class (Available upon request)

GP | **Pneumatic Double Acting Actuator** **AP** |

- Working Pressure: 4-12 Bar (Air, Nitrogen, NG)
- Exproof Protection
- IP Protection
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- Optional Manual Hand Wheel

GC | **Pneumatic Single Acting Spring Return** **AC** | **Fail Close Actuator**

- Working Pressure: 4-12 Bar (Air, Nitrogen, NG)
- Exproof Protection
- IP Protection
- 29 to +80 Working Temperature
- Optional Manual Hand Wheel
- 24, 48, 110 V AC/DC Control Voltage
- Manual Hand Wheel or Gearbox connections optional

GL | **Electro Hydraulic Single Acting** **AL** | **Spring Return Fail Close**

- Working Pressure: 20 to 350 Bar (Hydraulic Oil)
- Standard 400 VAC Energy Supply
- Exproof Protection
- IP Protection
- Working in different voltage supplies is optional
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- Manual Hand Wheel or Gearbox connections and Manual Hand Pump is optional
- Works through the actuator or external Hydraulic Power Pack

GN | **Pneumatic Single Acting Spring Return** **AN** | **Fail Open Actuator**

- Working Pressure Max. 4 to 16 Bar (Air, Nitrogen, NG)
- Exproof Protection
- IP Protection
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- Optional Manual Hand Wheel or Gearbox

GF | **Electro Hydraulic Single Acting** **AF** | **Spring Return Fail Open Actuator**

- Working Pressure: 20 to 350 Bar, Hydraulic Oil
- Standard 400 VAC Energy Supply
- Working in different voltage supplies is optional
- Exproof Protection
- IP Protection
- 24, 48, 110 V AC/DC Control Voltage
- 29 to 80 Working Temperature
- Manual Hand Wheel or Gearbox connections and Manual Hand Pump is optional
- Works through the actuator or external Hydraulic Power Pack

GT | **Tandem Pneumatic & Hydraulic** **AT** | **Double Acting Actuator**

- Working Pressure Hydraulic: 20 to 350 Bar (Hydraulic Oil, Pneumatic 4 to 12 Bar Air, Nitrogen, NG)

- Manual Hand Pump, Hand-wheel or Gearbox connection possible.
- Standard 400 VAC Energy Supply
- Working in different voltage supplies is optional
- Exproof Protection
- Works through the actuator or external Hydraulic Power Pack
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- IP Protection

GM | **Manual Hydraulic Double Acting Actuator** **AM** |

- Working Pressure: 20 to 350 Bar Hydraulic Oil
- Works with Manual Hand Pump
- Exproof Protection
- IP Protection
- Works with Manual Handwheel Manual Gearbox
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage

GH | **High Pressure Gas Single Acting** **AK** | **Spring Return Fail Close Actuator**

- Working Pressure Max. 16 to 120 Bar (Nitrogen, NG)
- Exproof Protection
- IP Protection
- 29 to +80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- Optional Manual Hand Wheel or Gearbox

GR | **High Pressure Gas Single Acting Spring** **AR** | **Return Fail Open Actuator**

- Working Pressure Max. 16 to 120 Bar (Nitrogen, NG)
- Exproof Protection
- IP Protection
- 29 to 80 Working Temperature
- 24, 48, 110 V AC/DC Control Voltage
- Optional Manual Hand Wheel or Gearbox



ALL VALVE SERVICES

Vastas offers full valve and actuator services at your site and our site.

Service activity is one of the key factors, which lead up to current success of Vastas. It helps to precisely measure the product performance, identify the challenges, offer solutions, and highly extend the performance and the economical life of the product.

Vastas's service history dates back to late 1930's. Today, the after-sales service team consists of Level 1 & 2 Qualified engineers and foremen, ready to provide service 24/7.


Vastas offers periodic maintenance and inspections on site to reduce the operating costs & increase operation life of valve and valve operators. And it is not limited with own brand or product range. The service is given to all valve and actuators.

- Assembly of valve to the line
- Calibration & Adjustment
- Certification
- Cleaning & Painting
- Sandblasting & Coating (only at Vastas site)
- Control, Inspection & Adjustment Services of Actuators
- Emergency Support Service
- Equipment Analysis and Reporting (only at Vastas site)
- Inspection Measure Control, Damage Assessment & Reporting (only at Vastas site)
- Hydrostatic Test Services (1/2" 100" , 150# 2500#)
- New configuration & Upgrade (only at Vastas site)
- Periodic Maintenance for Natural Gas & Crude Oil Valves
- Preventive Maintenance
- Renewal & Rehabilitation
- Repair
- Safety Valve Maintenance & Calibration
- Sealants & Consumables for Maintenance & Operation
- Spare Part Supply & Replacement
- Test & Inspection
- Wall Thickness Measurement & Reporting
- Welding and NDT Services



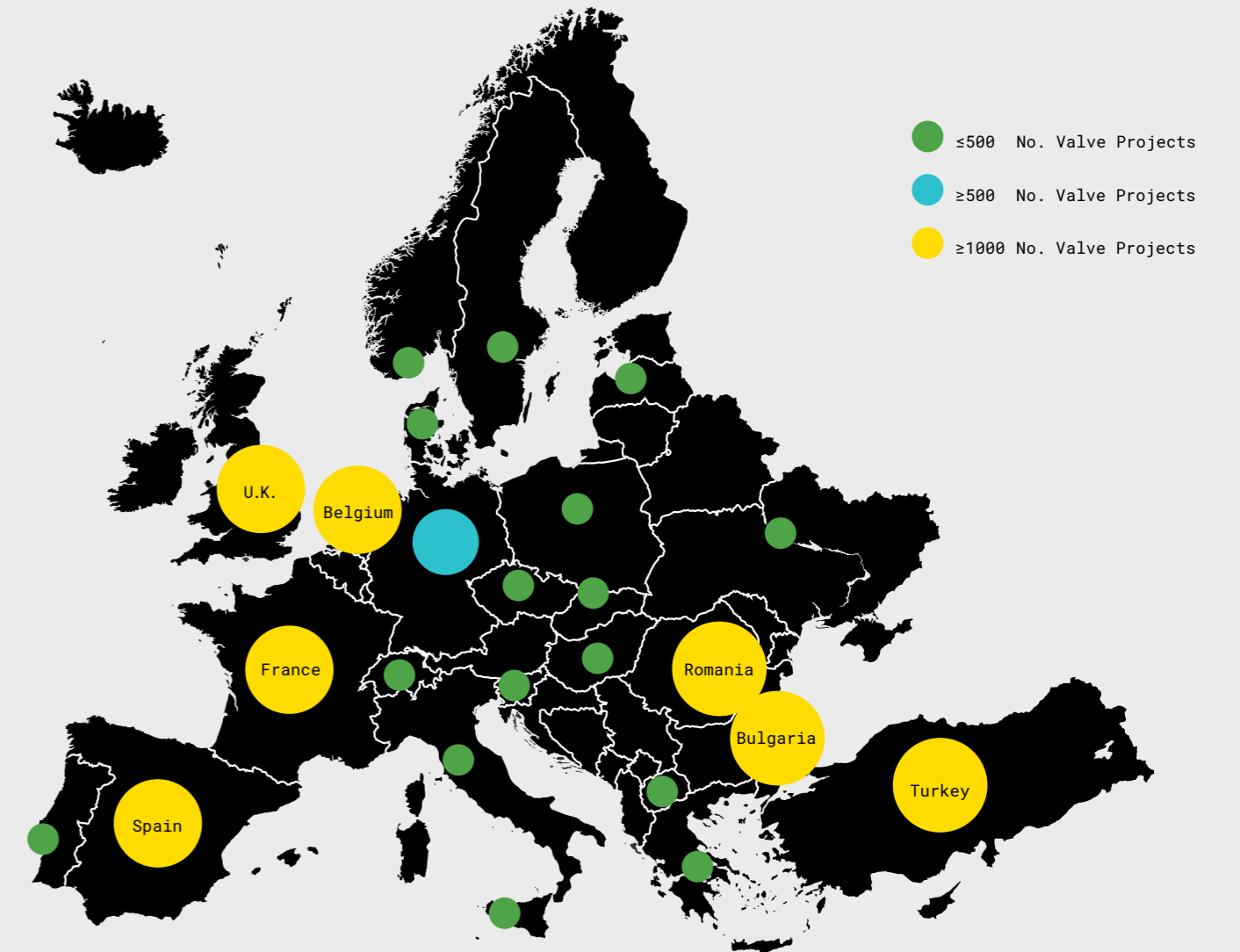
All
Brands
All
Valves

EUROPE

Bulgaria		Hungary		Romania	
Belgium		Italy	 	Spain	
Croatia		Latvia		Switzerland	
Czech Republic		Malta		Sweden	
Denmark		Macedonia	 	Turkey	   
France		Norway		Ukraine	
Germany		Poland	 	United Kingdom	
Greece		Portugal	 		

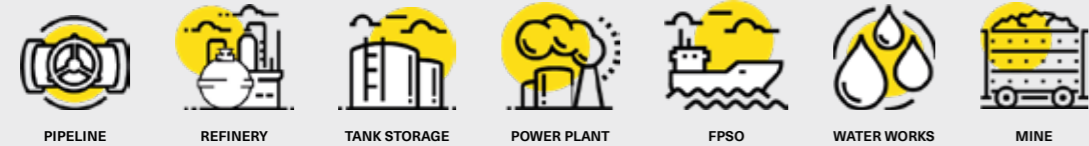


OUR REFERENCES IN THE REGION

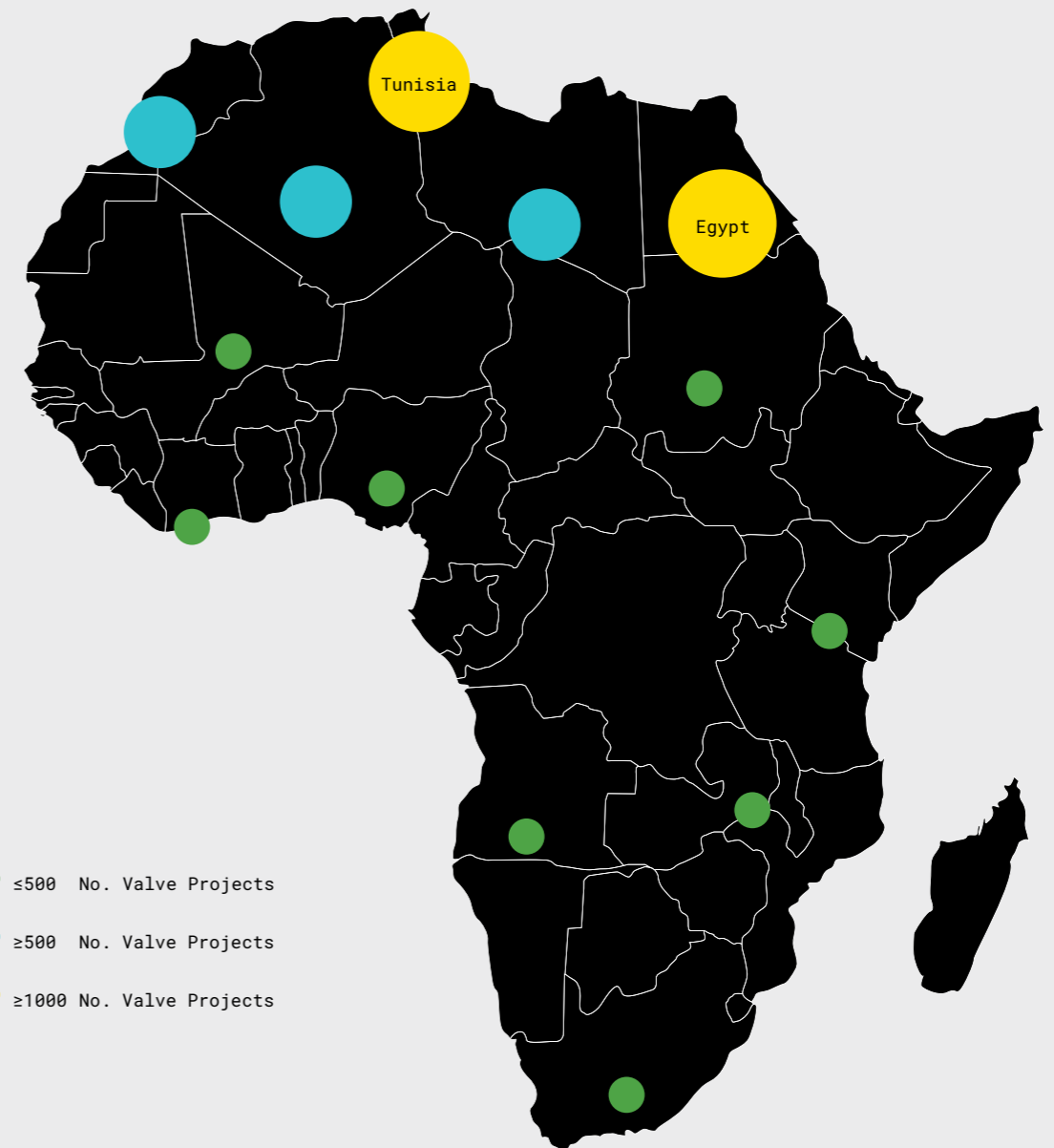


AFRICA
































Angola		Libya		South Africa	 
Algeria		Malawi		Sudan	
Egypt		Mali		Tunisia	
Ivory Coast		Morocco	 		
Kenya		Nigeria			



OUR REFERENCES IN THE REGION

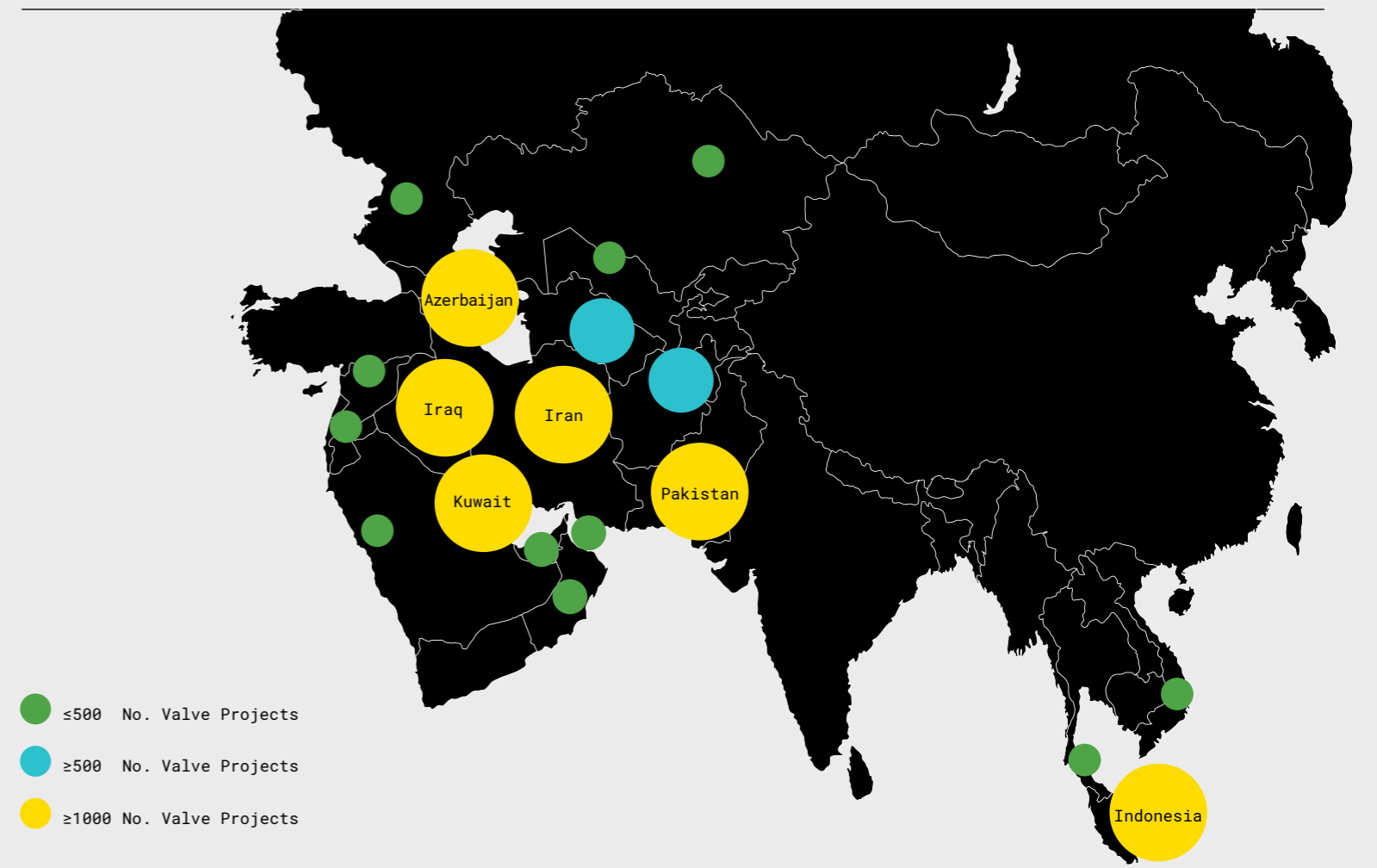


ASIA & MIDDLE EAST

Afghanistan		Jordan		Turkmenistan	 
Azerbaijan	  	Kazakhstan	 	United Arab Emirates	
Georgia	  	Kuwait	  	Uzbekistan	
Indonesia	 	Malaysia		Qatar	
Iran	 	Oman		Vietnam	
Iraq	   	Pakistan	 		
Israel		Saudi Arabia			



OUR REFERENCES IN THE REGION



● ≤500 No. Valve Projects
● ≥500 No. Valve Projects
● ≥1000 No. Valve Projects



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