

**Dikkan**valve

# OIL&GAS VALVES



**DİKKAN GEMİ VE  
ENDÜSTRİYEL  
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Dikkan Group is a corporate group that conducts its operations in business fields of casting, machinery and recycling. In addition to its significant contribution to the national economy, it also stands out as a remarkable piece in the circular economy gear thanks to its recycling activities. Dikkan Group is a pioneering, national corporate group, which offers solutions for remarkable projects in the global markets. Furthermore, incorporates a set of factories for manufacturing valves, casting, rolling plant as well as facilities for recycling ships, with the help of its experience of almost 50 years in the market.

Dikkan Group keeps moving forward steadily and actively always aiming for the better thanks to giving high regard to its sustainable, profitable approach, progressive perspective centred around operational excellence and high level of importance attached to innovation. It takes into consideration the future of earth and society while determining and realising business plans. Today, Dikkan Group carries its activities on both the national and international markets with Dikkan Valve, Dikkan Metal, İz-Metal and Işıksan Ship Recycling brands.







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Having been founded in 1978, Dikkan Valve is one of the outstanding casting and valve manufacturers in national and international markets. It does not only manufacture valves for marine, water-waste water among others, Dikkan Valve also provides valves for the oil and gas industries.

The valves are manufactured in a tailor-made manner for oil and gas industries thanks to Dikkan Valve's manufacturing capacity, technical efficiency and staff of engineers that are experts in their fields. Being the proud founders of the first Research & Development centre in the valve industry in Turkey, Dikkan Valve carries its manufacturing activities in its own integrated facilities by benefitting from its engineering expertise and effectiveness.

Dikkan Valve is located on an outdoors area of 90,000 m<sup>2</sup> and indoors area of 35,000 m<sup>2</sup>. These areas provide Dikkan Valve with the space to manufacture various valves such as globe valves, gate valves, mudbox, storm valves, swing check valves, discharge valves, quick closing valves, self closing valves, fire valves, butterfly valves, ball valves, strainers, check valves, foot check valves. Dikkan Valve mobilizes its large product portfolio in order to meet its customers' demand for particular products, as well, thanks to a customer-oriented approach and its flexible manufacturing capacity. Each and every manufacturing phase is undertaken at its own facilities starting from the design stage.

Dikkan Valve proceeds to invest with the aim to reach high levels of employment power, ensure absolute customer satisfaction and contribute to the national economy by improving its manufacturing activities in a planned manner thanks to its ever-growing form.







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SECTORS

# OIL & GAS

Oil drilling and degassing activities face various problems including extremely high temperatures, salt water, impurity, vibrations, explosion risk and high levels of mechanical stress, and the tools used in oil drilling and degassing activities are adversely affected by these problems, which occur frequently.

Therefore, Dikkan Group manufactures valves that are suitable for use both on the surface and underground in order to ensure the safe movement of fluids, mainly in the oil pipelines and gas lines.

Dikkan Group provides its customers with high-pressure resistant, durable, high quality valves that are equipped with high quality safety equipment and suitable for each and every step of drilling, degassing from the main source to transmission, refinery, storage and distribution of these products.



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Moreover, Dikkan Group's products are manufactured in Dikkan's own foundry.





## DRILLING

We offer safe, quality, high pressure and heat resistant, and operationally and financially beneficial and growth-friendly solutions and products that are suitable for the challenging conditions of drilling process.



## REFINERY

We offer safe solutions that would meet the requirements of oil and gas units at the highest possible level.

We meet our customers' expectations conforming to the standards thanks to our durable, high-quality products that are resistant to high pressure, high temperature and corrosive fluids and equipped with high-quality safety equipment.

We create solutions to ensure customer satisfaction at the highest level with the help of our large portfolio comprising of various products that are suitable for different fluids.

## PIPELINE

**Transportation:** Pipelines carry oil and gas for long distances. Distance between pipelines create pressure fluctuations during the transportation process.

This may cause gas leakage for the environment, and it requires further investment in high-cost compressing stations. We offer alternative solutions with tailor-made products for our customers.

**Distribution:** We offer our customers quality and long-lasting solutions by manufacturing leakproof, durable, high pressure and heat resistant and safe valves, for the distribution of gas and oil.

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## STORAGE

For our customers, we provide durable, operationally flexible and financially beneficial solutions, which allow the manufacturing and pipeline elements to have high level of investment return, in oil and gas storage facilities.

Our large portfolio ensures customer satisfaction at the highest level thanks to suitable, durable, quality and safe products.



# ENERGY

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Furthermore, we are proud to provide our customers with efficient, quality and durable solutions thanks to our large scale manufacturing activities that are fitting each powerplant's (see below) requirements, safe and highly resistant to pressure and heat.

- Geothermal Power Plants
- Combined Cycle Power Plant
- Thermal Power Plants
- Nuclear Power Plants

Our main focus is to always improve in order to meet the requirements of energy industry. We develop new and above-the-standards solutions for our customers to meet the expectations in the sector.

Reliability and performance are key features in critical and combined powerplants. We are happy to meet our customers' expectations conforming to the international standards thanks to our cutting-edge-technology, quality and durable products with minimum malfunction time and highly efficient fluid control.





**INDUSTRY**



## MINING

Taking into consideration the dynamics of the mining industry, we offer various, safe and reliable solutions.

We guarantee high level of performance despite the extraneous materials in the lines, conformity to the international quality standards, highly safe equipment for our products while meeting the expectations of mining industry.



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## IRON & STEEL

Having regard to the requirements of iron-steel industry, our portfolio is composed of durable, low maintenance, high pressure and heat resistant and quality products.







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## CHEMISTRY

Chemical industry hosts a wide range of products with many different production processes. It is strictly important to process the toxic materials safely, as well as corrosion resistance, reliability and low cost in the chemical industry. Reliable and complicated solutions are often sought due to high temperature, aggressive and inflammable fluids.

While conforming to the international standards, we have diligently created a product range in order to meet our customers' needs with safe, leakproof products that are not only resistant to high temperature and high pressure, but also ensure safe flow of dangerous and risky chemical fluids.

## PETROCHEMISTRY

We present quality, high pressure, heat resistant and low-maintenance products, which guarantee sustainable performance, for the safe fluid control.







## PULP & PAPER INDUSTRY\_\_\_\_\_

We would like to contribute to the efforts for sustainable and profitable success in the rapidly growing pulp and paper industry, and for this purpose, we exert our efforts in managing efficient, reliable, durable and environmentally smarter processes.



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We provide suitable solutions for the paper industry with high pressure resistant, durable, quality and low maintenance products.





# PRODUCTS





Gate Valve

Cast Steel	Trim API 600
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Sizes	: 2" to 48"
Class	: 150# & 300#
Design	: API 600
Face to face	: ASME B16.10
Flange Dimensions	: ASME B 16.5 & ASME B 16.47
Connections	: Flanged and Welded
Test Standard	: API 598

Options

- Drain plug
- Double threaded stem
- By-pass
- ISO Top flange
- Gearbox
- Actuator



Globe Valve - Straight

Cast Steel	Trim API 600
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Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: BS 1873 - API 623
Face to face	: ASME B16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged and Welded
Test Standard	: API 598

Options

- Drain plug
- Double threaded stem
- By-pass
- ISO Top flange
- Gearbox
- Actuator



Swing Check Valve

Cast Steel	Trim API 600
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Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: API 6D / BS 1868
Face to face	: API 6D / ASME B16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged and Welded
Test Standard	: API 6D / API 598

Options

- Lever & counter weight
- Lift limiter
- Rubber seated
- By-pass



Basket Strainers

Cast Steel	SS Trim
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Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: ASME B 16.34
Face to face	: ASME B 16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged and Welded
Test Standard	: API 598

Options

- Special screen mesh





Y-Type Strainers

Carbon Steel	SS Trim
Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: ASME B 16.34
Face to face	: ASME B 16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged and Welded
Test Standard	: API 598
Options	
• Special screen mesh	



Piston Check Valve

Cast Steel	Trim API 600
Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: API 6D
Face to face	: API 6D / ASME B16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged and Welded
Test Standard	: API 6D / API 598
Options	
• Drain plug	



Dual Plate Check Valve

Cast Steel	Trim API 600
Sizes	: 2" to 24"
Class	: 150# & 300#
Design	: API 6D
Face to face	: API 6D
Flange Dimensions	: ASME B 16.5
Connections	: Wafer, Lug, Flanged
Test Standard	: API 6D / API 598



Forged Gate Valves

Forged Steel	Trim API 600
Sizes	: 1/4" to 2"
Class	: 150# & 1500#
Design	: API 602
Face to face	: API 602
Connections	: Threaded, socket weld, flanged
Test Standard	: API 598
Options	
• Extended body	• Pup Piece
• Extended bonnet	







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### Forged Globe Valve

Forged Steel	Trim API 600
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Sizes	: 1/4" to 2"
Class	: 150# & 1500#
Design	: API 602
Face to face	: API 602
Connections	: Threaded, socket weld, flanged
Test Standard	: API 598

- Options
- Extended body
  - Pup Piece
  - Extended bonnet



### Forged Check Valve (Lift Type)

Forged Steel	Trim API 600
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Sizes	: 1/4" to 2"
Class	: 150# & 1500#
Design	: API 602
Face to face	: API 602
Connections	: Threaded, socket weld, flanged
Test Standard	: API 598

- Options
- Extended body
  - Pup piece



### Floating Ball Valve

Cast Steel	SS Trim
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Sizes	: 2" to 12"
Class	: 150# & 300#
Design	: API 608 / API 6D
Face to face	: ASME B16.10
Flange Dimensions	: ASME B 16.5
Connections	: Flanged, Welded
Test Standard	: API 6D / API 598

- Options
- ISO Top flange
  - Actuator
  - Gearbox



### Forged Ball Valve

Forged Steel	SS Trim
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Sizes	: 1/4" to 2"
Class	: 150# & 1500#
Design	: ISO 17292
Face to face	: ISO 17292
Connections	: Threaded, socket weld, flanged
Test Standard	: API 598

- Options
- Pup piece





Single Plate Wafer Check Valve

Cast Steel	Trim API 600
Sizes : 2" to 16"	Flange Dimensions : ASME B 16.5
Class : 150# & 300#	Connections : Wafer
Face to face : API 6D	Test Standard : API 598



Trunnion Ball Valve

Forged Steel	Trim API 6D
Sizes : 2" to 48"	Face to face : API 6D / ASME B16.10
Class : 150# & 300#	Flange Dimensions : ASME B 16.5 / ASME B 16.47
Design : API 6D	Connections : Flanged, Welded
	Test Standard : API 598 / API 6D

- Options
- Extended stem
  - Vent valve
  - Gearbox
  - By pass
  - Drain valve
  - Reduced bore
  - ISO top flange
  - Actuator



Through Conduit Gate Valve

Cast Steel	Trim API 600
Sizes : 2" to 24"	Face to face : API 6D / ASME B16.10
Class : 150# & 300#	Flange Dimensions : ASME B 16.5
Design : API 6D	Connections : Flanged, Welded
	Test Standard : API 598 / API 6D

- Options
- Drain plug
  - Double threaded stem
  - By pass
  - ISO top flange
  - Gearbox
  - Actuator



Plug Valve

Cast Steel	Trim API 6D
Sizes : 2" to 16"	Face to face : API 6D
Class : 150# & 300#	Flange Dimensions : ASME B16.5
Design : API 6D	Connections : Flanged, Welded
	Test Standard : API 6D / API 598

- Options
- ISO top flange
  - Actuator
  - Gearbox



Butterfly Valve

Cast Steel	SS Trim
Sizes : 2" to 24"	Face to face : API 609
Class : 150# & 300#	Flange Dimensions : ASME B16.5
Design : API 609	Connections : Wafer, Lug, Double Flanged
	Test Standard : API 598

- Options
- ISO Top flange
  - Actuator
  - Gearbox







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