

Industrial Valves



VISION

To be a leading local manufacturer and reliable partner providing engineered products and solutions to our customers.

MISSION

Supporting the socio-economic development of the Kingdom.

- Enhance local content through technology transfer and human capital development.
- Contribute to the development of Oil & Gas, Water and upcoming industrial initiatives.

Manufacturer of engineered metal products and provider of solutions to our customers.

- Exceed customer expectations through partnerships, high quality and timely delivery.
- Focus on operational excellence in the manufacturing of engineered products.

Involved proactively with our key stakeholders.

- Care for our employees, community and the environment.
- Maximize shareholder value through innovation and effective resource utilization.

VALUES

Commitment

Be reliable and add value to our customers.

Empowerment

Trust our employees to make the right decisions.

Integrity

Show transparency in everything we do.

Excellence

Operate professionally, safely and effectively.

Collaboration

Deliver through cooperation and team work.

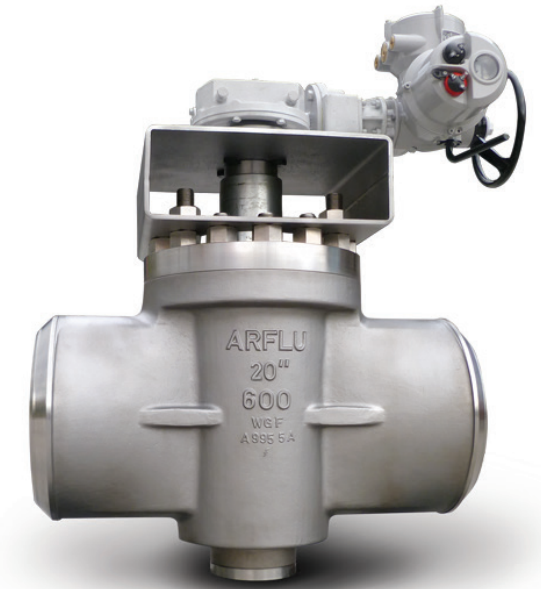


SMi is a world class precision Saudi manufacturing company founded in 1982, and since then, **SMi** focuses on offering a comprehensive service with the emphasis on total customer satisfaction. With a dedicated and experienced team of skilled personal equipped with state of the arts machines and technologies, **SMi** provide an efficient service to achieve the required specifications and quality set by our customers.

A latest state of the art Valves manufacturing plant is established at **SMi**'s facilities in Dammam, where the **Arflu** valves range will be manufactured locally by **SMi** under a license agreement, with the full technical and engineering support of **Arflu** in Spain.

Quality you can trust

Arflu is one of the most qualified companies in their field, where they develop tailor made solutions as well as providing customized advice and training for clients. Equipped with the most modern installations and with highly-qualified human talents, enabling **SMi/Arflu** to offer the widest possible range of valves combining high standards in technology, quality and productivity. **Arflu's** quality guarantee system is certified according to the UNE-EN ISO 9001 standard, through which we ensure complete understanding and satisfaction of customer needs, fulfilment of contract obligations, compliance with standards and codes, and continuous improvement in our quality performance. **Arflu** is approved as a valve manufacturer under many standards. Additionally, it has been approved by some consumer organizations such as the European shipbuilders and water civil organizations as well as the major petrochemical and gas companies for a range of products, such as: gate, globe, check, plug, ball, duct expanding plug and rising stem ball in a wide variety of pressures and materials such as carbon steel, low temperature carbon alloy and high temperature carbon alloys, stainless steel, bronze, ductile iron and special alloy (monel, duplex, alloy 20, inconel, etc.)

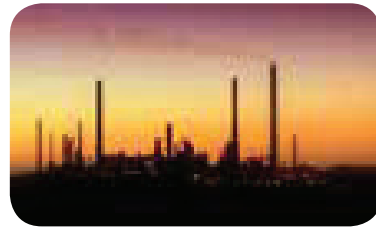


PETROCHEMICAL & ENERGY DIVISION

Approved by the main Petrochemical companies worldwide.

Arflu valves are manufactured according to the main standards such as ASA, ANSI, ASTM, ASME, BS, API, DIN, MSS, NACE, GOST, ISO...

Our manufacturing range sizes are from 1/4" to 60".



MANUFACTURING PROGRAM

Ball valves

150-300-600-900-1500-2500 all designs such as full or reduce bore, top entry or end entry.

*** PMSS (Primary Metal Secondary Soft) Option Available**

Plug valves (lubricated) 150-300-600-900-1500

Plug valves (non lubricated) 150-300-600

Dual Expanding Plug valves (DBB Service)
150 - 300 - 600 - 900

Rising Stem Ball valves
150 - 300 - 600 - 900 - 1500 - 2500

Gate valves
150-300-600-900 -1500-2500 Bolted Bonnet

Gate valves
900-1500-2500 Pressure Seal

Gate valves Through Conduit 150-300-600-900-1500 Bolted Bonnet

Globe valves
150-300-600-900 -1500-2500 Bolted Bonnet

Globe valves
900-1500-2500 Pressure Seal

Swing Check valves
150-300-600-900-1500-2500 Bolted Bonnet

Swing Check valves
900-1500-2500 Pressure Seal

Lift Check valves
150-300-600

Wafer Lift Check valves 150-300-600

Wafer duo Check valves
150-300-600-900-1500-2500



All kind of materials
All kind of actuators
All kind of end connections

GAS DIVISION

Special designs for the Gas industry

Arflu is always working for future investing in manufacturing for clean energies. We are giving priority in research and development to be leaders in the gas industry. **Arflu** valves are manufactured according the main standards such as ASA, ANSI, ASTM, ASME, BS, API, DIN, MSS, NACE, FIRE SAFE, GOST, ISO. We are specialist in metal to metal seats with exotic overlays. Our manufacturing range sizes are from 1/4" to 60".

MANUFACTURING PROGRAM

Ball valves

• **Floating ball - Soft Seated** 150-300-600-800-900-1500

• **Trunnion ball - Soft Seated and Metal to Metal**
150-300-600-900-1500-2500

• **Top entry ball - Soft Seated and Metal to Metal**
150-300-600-900-1500-2500

• **Fully welded - Soft Seated** 150-300-600-900-1500

*** PMSS (Primary Metal Secondary Soft) Option Available**

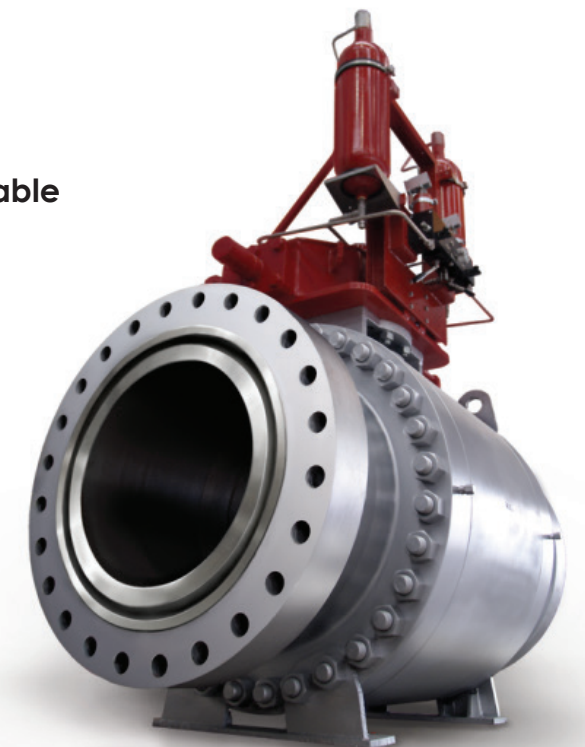
• **Rising Stem Ball valves**
150 - 300 - 600 - 900 - 1500 - 2500

• **Dual Expanding Plug valves (DBB Service)**
150 - 300 - 600

• **Plug valves lubricated with Pressure Balance**
150 - 300 - 600 - 900 -1500

• **Wafer Duo Check valves**
150 - 300 - 600 - 900 -1500

• **Globe valves**
150 - 300 - 600 - 900 -1500



All kind of materials
All kind of actuators
All kind of end connections

WATER DIVISION

We have long experience in sea water application

Arflu manufacture valves in different materials for water and sea water application. From cast iron to Duplex, Super Duplex and inconel for different water applications such as Desalination Plants by Reverse Osmosis (SWRO & BWRO), MED, MSF and others, water injection systems, water handling, water intakes and many more.

Arflu Super Duplex Plug valves for cleaning (CIP), HP Pump Discharge (Regulating) and Isolating are installed in the largest SWRO plants worldwide. Besides we also manufacture Ball, Globe Control and On/Off, Check and other type of valves.

As quality is a cornerstone in **Arflu**, most of our products for fire protection applications are approved according to both UL and FM.

MANUFACTURING PROGRAM

Plug valves medium & high pressure design for R.O. systems

300-600

*See our Quick Change System for PTFE sleeve replacement

Gate valves

150-300-400-600-900

Globe valves

150-300-400-600-900

Check valves

(Swing, Dual Plate, Wafer...)

150-300-400-600-900

Ball valves

150-300-400-600-900

All kind of materials
All kind of actuators
All kind of end connections



ENERGY DIVISION

Arflu Energy Division has been created to promote Power plants as a sustainable and profitable solution for the global energy demand. We have developed and adapted our valves to the specific conditions of these plants.

Arflu offers a complete package of valves, technical support and services for parabolic trough & power tower plants (HTF, molten salts and BOP & IP services). The main challenge for the piping materials in these plants are the high temperatures around 400°C-600°C. **Arflu** valves are designed to stand these operating conditions.

MANUFACTURING PROGRAM

Gate valves

150-300-600-900-1500

Bolted Bonnet

900-1500-2500

Pressure Seal

150-300-600-900 Through Conduit

150-300-600-900-1500 Bellow Seal Bolted Bonnet 900-1500-2500

Bellow Pressure Seal

All kinds of bellow material

Globe valves

150-300-600-900-1500 Bolted Bonnet

900-1500-2500

Pressure Seal

150-300-600

Bellow Seal Bolted Bonnet All kinds of bellow material

Check valves

150-300-600-900-1500

Bolted Bonnet

900-1500-2500

Pressure Seal

150-300-600-900

Through Conduit

150-300-600-900-1500

Bellow Seal Bolted Bonnet

900-1500-2500

Bellow Pressure Seal

All kinds of bellow material

Ball valves

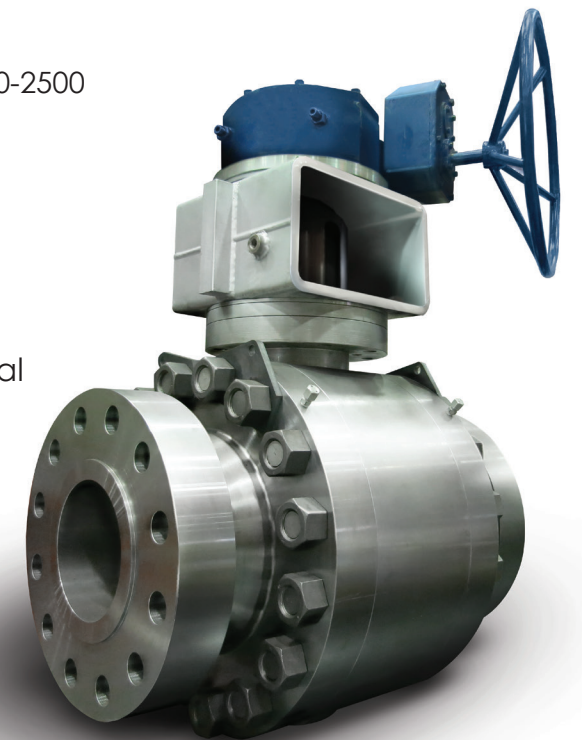
150-300-600-900-1500-2500 Metal or soft seated, for floating valves 1 compensated seat available

Butterfly valves

150-300-600

Metal or soft seated, Triple Eccentric type

All kind of materials. All kind of actuators
All kind of end connections
For BOP & IP we have our Standard manufacturing program available



Marine Division

Leader in technology for the Navy

Arflu is one of the most experienced companies in Europe manufacturing valves for the Navy. Valves manufactured in Nickel Aluminium bronze, Zinc free Bronze, Monel, 6MO, Titanium, Alloyco 20, Inconel, Hastelloy, Zirconium, duplex stainless steel, feralium and others.

Arflu valves are manufactured according the main standards such as MILL, BU-SHIPS, DIN, CODAP, BS, AD...

Our manufacturing range sizes are from 1/4" to 24".

MANUFACTURING PROGRAM

Gate valves

150-300-600.

PN10 - PN 16 -PN25 -PN40 -PN64 -PN100

Globe valves

150-300-600.

PN10 - PN 16 -PN25 -PN40 -PN64 -PN100

Swing Check valves

150-300-600.

PN10 - PN 16 -PN25 -PN40 -PN64 -PN100

Wafer Duo Check valves

150-300-600.

PN10 - PN 16 -PN25 -PN40 -PN64 -PN100

Ball valves

150-300-600.

PN10 - PN 16 -PN25 -PN40 -PN64 -PN100



All kind of materials mainly bronze and duplex, super duplex specialized in sea water. All kind of actuators

All kind of end connections

Valves have passed high impact shock test in accordance with MIL-S-901 C & D Grade A Class 1 Type A

Designed according shipbuilders or Navy requirements



SPECIAL VALVES

Rising Stem Ball

Arflu RSBV is a valve specially designed for oil and gas industry for services requiring positive action seal to avoid leakage or process contamination. Energized soft or metal seated valves are suitable for many applications such as:

- Flowlines
- Meter Isolation
- Mol Sieve Dehydration Switching
- Block & Bypass
- Suction & Discharge Isolation
- Heat Transfer Fluids / Hot Oil
- Product Segregation
- Emergency Shutdown
- Dryer Switching
- Hydrogen Service....



Dual Expanding Plug

Arflu Double Block & Bleed service is a challenge in many applications, as drop-tight sealing on both the upstream and the downstream side is essential in many sectors like:

- Tank Storage
- Loading/unloading Stations
- Multi-Product Manifolds
- Metering Stations
- Aviation fuel Services
- Custody Transfer Units
- Offshore Platforms

Common valve designs like most gate and ball valves depend on line pressure or springs to achieve sealing and cannot guarantee long-term double block & bleed service as their sealing mechanism is based on friction and tearing and consequently seal abrasion and scored seating elements may lead to product loss and contamination.



SWRO Plug

We have long experience in Sea Water application

Arflu manufactures RO Plug valves in various materials for different water applications such as Desalination Plants by Reverse Osmosis (SWRO & BWRO), MED, MSF and others, water injection systems, water handling, water intakes and many more.

Arflu Super Duplex Plug valves for cleaning (CIP), HP Pump Dis-charge (Regulating) and Isolating are installed in the largest SWRO plants worldwide.



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