



**Brochure**



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Commitment made of steel

# YOUR PARTNER FOR SEVERE SERVICES

AMPO POYAM VALVES is an international leader in multidisciplinary know-how and technological capability, focused on the **design, manufacturing, commissioning and comprehensive maintenance of highly engineered fluid handling solutions** across multiple sectors, particularly in the **most extreme conditions** with **maximum efficiency** and **minimal environmental impact**.



1,000 talented employees



Culture: Customer Centric



3 business units



Fully in House manufacturing process



5 manufacturing and servicing facilities worldwide



Cutting edge technologies



60 years experience (since 1964)



Worldwide references



Presence in more than 60 countries



Cooperative company: Private and employee-owned.



Innovation intensity: More than 2%

## OUR HIGHLY ENGINEERED SOLUTIONS & SERVICES:

We are leaders. In technology. In innovation. In service. In reliability. We offer smart solutions and services.



1

**AMPO**  
POYAM VALVES

Commitment made of steel



2

**ISS** INTEGRATED SMART SOLUTIONS



3

**AMPO**  
SERVICE

Commitment made of steel



# INDUSTRIES

## Energy

- Low carbon energies
  - LNG and gas processing & transport
  - Energy Transition: H2 – Carbon Capture – Biofuels – Synthetic fuels
- Additional primary energies: Upstream
- Refining

Chemical and petrochemical  
Mining  
Power

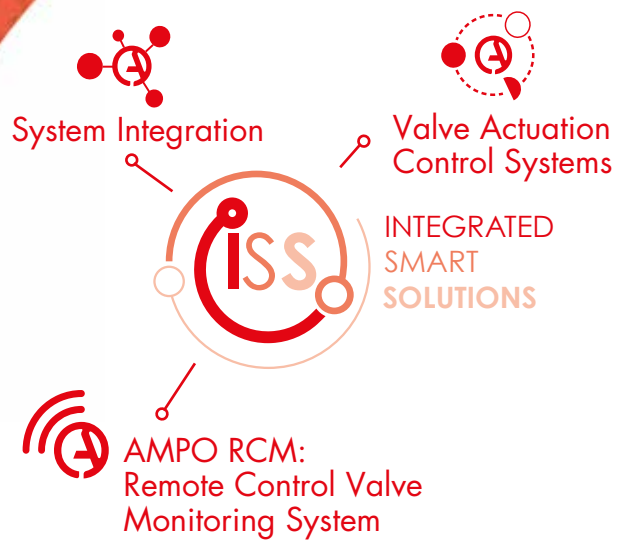
# CUSTOMERS

These are some of the main customers who trust on AMPO:



## VALVE RANGE

"AMPO POYAM VALVES offers the widest valve range in the market"



## Top Entry Ball Valves

- Standards:** API, BS, MSS, ANSI, ASME, ASTM, DIN
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 1/2" up to 60"
- Construction:** Extended bonnet. Bolted bonnet. Floating and trunnion-mounted ball. Full and reduced bore. Flanged, butt weld ends and both. Manual and motor - operated. Fire safe. Soft and metal seats.
- Temperature:** From 750°C down to -196°C (Cryogenic)



## Split Body & End Entry Ball Valves

- Standards:** API, BS, MSS, ANSI, ASME, ASTM, DIN
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 1/2" up to 60"
- Construction:** Extended bonnet. Bolted bonnet. Fully welded. Floating and trunnion - mounted ball (2 or 3 pcs, cast or forged). Monoblock - Compact valves. Two balls - one body. Full and reduced bore. Flanged ends. Manual and motor - operated. Fire safe. Soft and metal seats.
- Temperature:** From 750°C down to -196°C (Cryogenic)



## Severe Service Ball Valves

- Standards:** API, MSS, ANSI, ASME
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 1/2" up to 36"
- Construction:** Bolted bonnet. Seat retained ball. Full and reduced bore. Flanged ends, BW,SW. Manual and motor-operated. Special design for severe service conditions.
- Temperature:** Up to 750°C



# Hypercentric Ball Valves

- Standards:** API 6D, API 6FA, ASME B16.5, EN ISO 15156, NACE MR0175, IOGP, API 598
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 2" up to 36"
- Construction:** Split body or Top entry. RF and/or BW. Unidirectional and bidirectional seal. Fully metallic configuration (up to 427°C). Fully piggable bore. Quarter turn. Torque seated. Body overlay configuration. Optimized Quarter Turn operation. Options: Manual, electric, pneumatic, hydraulic.
- Temperature:** -29°C up to 427°C



# Gate, Globe, Check & Axial Check Valves

- Standards:** API, BS, MSS, ANSI, ASME, ASTM
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 1/2" up to 72"
- Construction:** Extended bonnet. Bolted bonnet. Flanged and butt weld ends. Manual and motor - operated. Throttling Service Globe valves. Metal and soft seats.
- Temperature:** From 750°C down to -196°C (Cryogenic)
- Type:**
- Gate: Standard Design (API600). Light Pattern Design (ASME B16.34/API 603). Through Conduit Double Expanding Gate valves and Through Conduit Slab Gate valves (API 6D).
  - Globe: Straight Pattern, y Pattern & Stop check, Needle. Cryogenic control & on-off angle.
  - Check: Swing Check, Lift Check, Axial flow check.



# Pressure Seal Gate, Globe and Check Valves (High Pressure)

- Standards:** API, BS, MSS, ANSI, ASME, ASTM
- Classes:** 600 lbs up to 2500 lbs (Customized as per process needs)
- Sizes:** 2" up to 56"
- Construction:** Pressure Seal Bonnet. Extended bonnet (Gas column). Flanged and butt weld ends. Manual and motor - operated. Metal Seats.
- Temperature:** From 750°C down to -196°C (Cryogenic)
- Type:**
- Gate: Flexible wedge, parallel slide.
  - Globe: Straight pattern, y pattern & stop check.
  - Check valves: Swing check, lift check, tilting disc.



# Lift Plug & Switch Plug Valves

- Standards:** API, BS, MSS, ANSI, ASME
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 2" up to 36"
- Construction:** Bolted bonnet. Flanged ends. Manual and motor - operated. Metal seats. Lift plug. Port Sizes: 100% and 70%. Accessories: Purge, drain and flushing connections. Switch plug valves: 3 ways or 4 ways.



# Butterfly Valves

- Standards:** API, BS  
**Classes:** 150 lbs up to 600 lbs  
**Sizes:** 3" up to 72"  
**Construction:** Triple excentric. Cryogenic (Extended Bonnet). Resilient Seat (Soft or laminar). Fully bidirectional. Fire safe as per API 607.  
**Temperature:** Down to -196°C  
**Type:** Side Entry or Double flange (Short Pattern) as per API 609 category B.



# Slurry Angle Valves

- Standards:** MSS, ANSI, ASME, ASTM  
**Classes:** 150 lbs up to 1500 lbs  
**Sizes:** 2" up to 30"  
**Construction:** Angle 90°. Angle 45°. Bayonet. Straight - through. Three-way. Lift check. Lever, gear and motor-operated. Regrinding operation. Metal seats.  
Grinbide®, Fully automatic system.



# Dilating Disk Control Valves

- Standards:** ANSI/FCI 70-2. ANSI/ISA-75.02.01. ANSI/ISA-75.17. API 598. API 641. ASME B16.34. ASME B16.5. ASME B16.10. CRN. IEC 60534-2-1. IEC 60534-2-3. IEC 60534-2-4. IEC 60534-7. IEC 60534-8-4. ISA-RP75.23. ISO 15848-1 & 15848-2. ISO 5211. MIL-DTL-32632 (NAVSEA). MSS SP-61. SIL 3. IEC 61508. FIRE SAFE: API 607 & ISO 10497.  
**Classes:** 150 lbs up to 1500 lbs.  
**Sizes:** 1/4" up to 12". (Larger sizes upon request)  
**Construction:** NPT, RF, RTJ. (BW upon request) Manual Quarter Turn, Pneumatic Compatible with Digital Positioners, Electric.  
**Temperature:** -46°C up to 260°C. (Cryogenic and High Temperature upon request)



# UPSTREAM VALVES

**Valve types:** Ball. Through Conduit Slab Gate. Swing check. Gate. Globe.

**Standards:** API 6DSS (ISO 14723), API 6A / API 17D (ISO 01042/13628) / API 6D / BS, MSS, ANSI, ASME, ASTM

- Classes:**
- API 6DSS: 150 lbs up to 2500 lbs
  - API 6A / API 17D: 3000 psi up to 15000 psi
  - API 6D / BS, MSS, ANSI, ASME, ASTM: 150 lbs up to 2500 lbs

- Sizes:**
- API 6DSS: 2" up to 36"
  - API 6A / API 17D: 1 13/16" up to 16 3/4"
  - API 6D / BS, MSS, ANSI, ASME, ASTM: 1/2" up to 72"

*\*Other sizes and pressure available on request.*

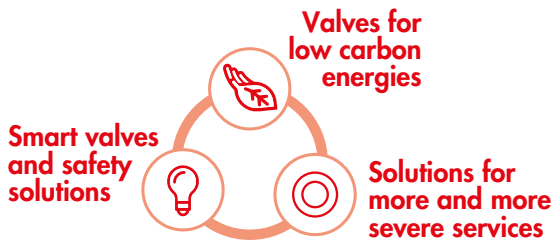
**Construction for API 6DSS, API 6A, API 17D:**

- **Ball:** Floating or trunnion. Fully welded, top entry or side body. Metal to metal valve seat. SPE or DPE seat designs. Metal stem sealing options. Double or single block.
- **Through Conduit Slab Gate:** Metal to metal gate and seat sealing, with tungsten carbide hard facing. Internal bi-directional sealing. Double or single block.
- **Swing check:** Metal to metal seats, with tungsten carbide or stellite hardfacings. ROV lockable. Smooth internal bore. Clapper locking mechanism.



## INNOVATION CAPABILITIES

With a highly qualified multidisciplinary team of experts, **our main innovation and research areas** are focused on:



We have cutting edge testing facilities to evaluate novel concept solutions and we perform: High temperature testings, High pressure testings, Endurance testings, Vacuum testings, Cryogenic testings, Helium testings, etc. We also have access to **equipment and laboratories** to characterize specific overlays and materials used in our valves and we **collaborate with our customers' engineering teams and international research centres**. Moreover, we have the very latest 3D design and simulation software to validate and optimize the design and functionality of our solutions: mechanical and structural simulations, thermal simulations, fluid dynamics simulations, multi-physical simulations, correlation of operating torques, P&ID analysis, Cv calculations, seismic calculations, etc.

## OUR INTEGRATED FOUNDRY

One of our main advantages is that we have our **own foundry and a 12,500 sqm cutting-edge machining shop**.

### STEELS & GRADES:

At AMPO POYAM VALVES we develop cast and forged highly engineered valves in a wide range of materials:

CARBON STEELS - LOW TEMPERATURE CARBON STEELS - MEDIUM AND LOW ALLOY STEELS - MARTENSITIC STAINLESS STEELS - AUSTENITIC STAINLESS STEELS - AUSTENITIC-FERRITIC STAINLESS STEELS (DUPLEX) - SUPER AUSTENITIC STAINLESS STEELS - NICKEL-BASED ALLOYS - HEAT-RESISTANT STEELS - TITANIUM - ZIRCONIUM

### OVERLAY TECHNOLOGIES:

Our advanced technologies and high productivity allow AMPO to perform all types of overlay using different processes, on any type of material and with the fastest possible turnarounds, using special materials.

- Corrosion-resistant overlays (CRO)
- Hard-facing overlays (HFO)
- FBE (Fusion-Bonded Epoxy) solutions



# AMPO SERVICE

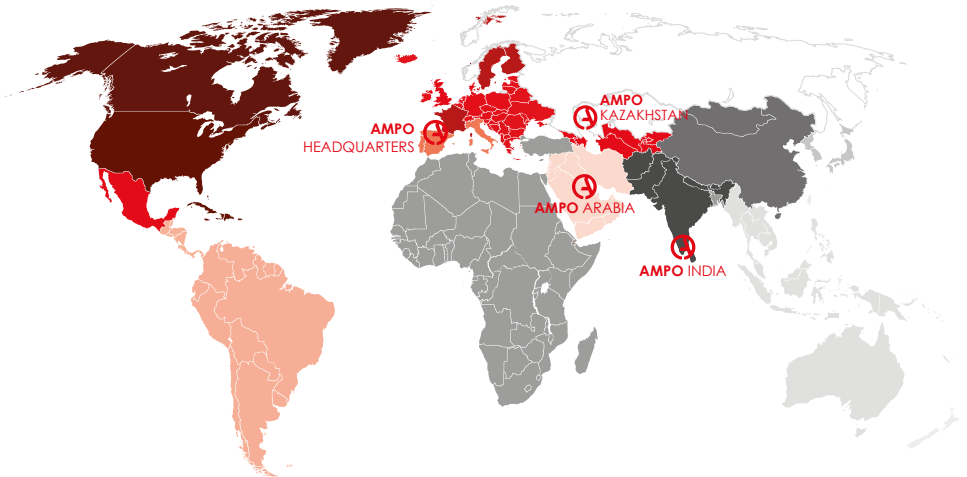
- MRO services
- Spare parts
- Training services
- Field engineering services
- Predictive maintenance services
- Preventive maintenance services
- Worldwide repair and maintenance centers
- Tailored engineering solutions

**On-site support within 72 hours.**

**Experience in executing global maintenance service for complete projects.**



# WORLDWIDE SALES AND MANUFACTURING NETWORK



**AMPO Manufacturing plants**  
 Idiazabal - Spain  
 Coimbatore - India  
 Dammam - Saudi Arabia  
 Atyrau - Kazakhstan

- |   |   |  |
|---|---|--|
| <p><b>Spain &amp; Italy</b><br/>                 Naiara Aranburu<br/>                 naranburu@ampo.com</p>                      | <p><b>South America</b><br/>                 Juan Maria Echeverria<br/>                 jmecheverria@ampo.com</p> | <p><b>India &amp; Bordering countries</b><br/>                 Kerman Uriel<br/>                 kuriel@ampo.com</p> |
| <p><b>France and Scandinavia</b><br/>                 Andrea Navarro<br/>                 anavarro@ampo.com</p>                   | <p><b>Middle East</b><br/>                 Ander Elola<br/>                 aelola@ampo.com</p>                   | <p><b>Japan &amp; Korea</b><br/>                 Julen Mugica<br/>                 jmugica@ampo.com</p>              |
| <p><b>Mexico, UK, Central Europe and Central Asia</b><br/>                 Sabin Garcia<br/>                 sgarcia@ampo.com</p> | <p><b>China</b><br/>                 Ustaritz Errondosoro<br/>                 usta@ampo.com</p>                  | <p><b>Australasia</b><br/>                 Ander Janin<br/>                 ajanin@ampo.com</p>                      |
| <p><b>North America</b><br/>                 Iñaki Aizpeolea<br/>                 inaki@ampo.com</p>                              | <p><b>Africa &amp; Turkey</b><br/>                 Mohammed Mehdi<br/>                 mmehdi@ampo.com</p>        |  |

## MANUFACTURING PLANTS:

### AMPO HEADQUARTERS

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### AMPO KAZAKHSTAN

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[kazakhstan@ampo.com](mailto:kazakhstan@ampo.com)

AMPO is just 1 hour drive away from BILBAO (International Airport) and at the following distances from other important places: 65 km west of Pamplona/45 km south of San Sebastian/ 70 km south of the French border.

