

# VALVE RANGE

"AMPO POYAM VALVES offers the widest Ball, Gate, Globe, Check, Angle, Butterfly, Lift plug & switch valve solutions in the market "

Condition monitoring devices for predictive and preventive maintenance in all our product range



## Top Entry Ball Valves

### BALL VALVES

### CHARACTERISTICS

- 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

### BALL VALVES

### CHARACTERISTICS

- 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)



## Gate, Globe & Check Valves

### GATE, GLOBE AND CHECK VALVES

### CHARACTERISTICS

- 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).  
- Globe: Straight Pattern, y Pattern & Stop check, Needle.  
- Check: Swing Check, Lift Check, Axial flow check.



World leader in highly engineered valves

## MAIN INNOVATION LINES

- Green valves
- Smart safety valves
- Hardwearing solutions

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

### PRESSURE SEAL VALVES

#### CHARACTERISTICS

- 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 Valves

### PLUG & SWITCH VALVES

#### CHARACTERISTICS

- 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 valves: 3 ways or 4 ways.



## Severe Service Ball Valves

### SEVERE SERVICE BALL VALVES

#### CHARACTERISTICS

- Standards:** API, MSS, ANSI, ASME
- Classes:** 150 lbs up to 2500 lbs
- Sizes:** 1/2" up to 36"
- Construction:** Bolted bonnet. Floating ball. Full and reduced bore. Flanged ends, BW, SW. Manual and motor-operated. Special design for severe service conditions.
- Temperature:** Up to 230°C



Your global severe service valves partner



## Fully Welded Ball Valves

### BALL VALVES

### CHARACTERISTICS

**Standards:** API, BS, MSS, ANSI, ASME, ASTM, DIN

**Classes:** 150 lbs up to 2500 lbs

**Sizes:** 6" up to 60"

**Construction:** Seals:

- Seats: KELF, PTFE, NYLON, PEEK, VESPEL, METAL TC/CC COATING
- Gaskets: SPIRAL WOUND, LIP SEAL
- O-Ring: HNBR, FKM, FFKM, NBR, EPDM, FEPM

End-connections: BW, RF, FF, NPT, LG, RTJ, SW, CLAMS, NORSOK L-005

Actuation: Actuator, gearbox, lever

**Temperature:** Up to 250°C



## Butterfly Valves

### BUTTERFLY VALVES

### CHARACTERISTICS

**Standards:** API, BS

**Classes:** 150 lbs up to 600 lbs

**Sizes:** 6" up to 48"

**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

### SLURRY ANGLE VALVES

### CHARACTERISTICS

**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.



High technology valves tailored to the customer's requirements

# OUR INTEGRATED FOUNDRY

Our foundry is fully in-line with manufacturing processes, providing us with the best quality costings and service.

Moreover, **FORGED** steel fully welded ball valves, three-piece and split body ball valves are also designed and manufactured by AMPO for pipelines and offshore applications.

Our advanced technologies allow AMPO to produce the entire range of weld overlays (Inconel 625, Incoloy 825, Nickel, Stellite 6, Colmology,...) fully in house.

## Steels and Grades



### Super Austenitic Stainless Steels

ASTM	EN	UNS	OTHERS
A351 CN7M	1.4527	-	-
A351 CK3MCuN	1.4593	J93254	254 SMO
-	1.4469	S32654	654 SMO

### Austenitic -Ferritic Stainless Steel(duplex)

ASTM	EN	UNS	OTHERS
A890Gr4A	1.4470	J92205	DUPLEX S31803
A890Gr5A	-	J93404	SUPERDUPLEX
A890Gr6A	1.4469	J93380	SUPERDUPLEX S32760
CD4MCu	1.4517	J93370	-

### Nickel-Based Alloys

ASTM	EN	UNS	OTHERS
A494 CU5MCuC	-	-	INCOLOY 825
A494 M-35-1	-	N24135	MONEL 400
A494 M-30H	-	N24030	-
A494 CW-6MC	-	N26625	INCONEL 625
A494 CW-12MW	-	N30002	HASTELLOY C276

### Carbon Steels

ASTM	EN	UNS	OTHERS
A216 WCA	-	J02502	-
A216 WCB	-	J03002	-
A216 WCC	-	J02503	-

### Titanium

ASTM	EN	UNS	OTHERS
C-2 B367	-	R50400	3.7035
C-3 B367	-	R50550	3.7055
C-5 B367	-	R56400	3.7165
C-7 B367	-	R52400	-

### Austenitic Stainless Steel

ASTM	EN	UNS	OTHERS
A351 CF8	1.4308	J92600	AISI 304
A351 CF8M	1.4408	J92900	AISI 316
A351 CF8C	1.4552	J92910	AISI 347
A351 CF3	1.4306	J92500	AISI 304L
A351 CF3M	1.4404	J92800	AISI 316L
A351CF10MC	1.4581	-	AISI 316Nb
A351 CG8M	-	J93000	AISI 317

### Martensitic Stainless Steels

ASTM	EN	UNS	OTHERS
A217 CA-15	1.4008	J91150	AISI 410
A352 CA-6NM	-	J91540	-
A747 CB7Cu-1	-	J92180	17-4PH

### Medium And Low Alloy Steels

ASTM	EN	UNS	OTHERS
WC6	1.7357	-	-
WC9	1.7365	-	-
A217C5	1.7365	-	-
A217C12	-	-	-

### Heat-Resistant Steels

ASTM	EN	UNS	OTHERS
A297 HH	-	-	25/12
A297 HK	-	-	25/20
A297 HP	-	-	25/35
A297 HU	-	-	18/38

### Low Temperature Carbon Steels

ASTM	EN	UNS	OTHERS
A352 LCA	-	J02504	-
A352 LCB	-	J03003	-
A352 LCC	-	J02505	-

### Zirkonium

ASTM	EN	UNS	OTHERS
Zr 702	-	R60702	-
Zr 705	-	R60705	-
-	-	J02505	-

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