



Forward Alloys & Castings

Corrosion Resistant Valve Manufacturer

Non-Ferrous
Valve Manufacturer



Introduction

With over 40 years experience in the design, manufacture and supply of a wide range of process valves in corrosion resistant alloys, Forward Alloys & Castings (FAC) have developed a world-wide reputation for producing high quality products with a proven track record for reliable and long in-service life.

Our range of valves include ball, gate, globe, check, butterfly and strainers with both manual and actuated operation in nickel aluminium bronze, bronze and monel® corrosion resistant materials.

The castings are produced by our own in-house non-ferrous foundry, which means that the company has total control of the complete manufacturing cycle, demonstrated by our enviable on-time delivery performance and high levels of customer satisfaction.



Reliable & Trusted Supply Partner

From design, casting production, in-house CNC machining capabilities, non-destructive testing facilities and a full suite of hydro pressure testing equipment we are able to control the complete manufacturing cycle utilizing state-of-the-art fully networked computerized systems.

The FAC project management team will promptly ensure all phases of contract management from initial bid request to final Factory Acceptance Test (FAT) are controlled and communicated to our clients to ensure compliance with contractual commitments and successful on-time project completion.



Quality Management

Quality lies at the heart of everything we do at Forward Alloys & Castings (FAC). From strict adherence to internationally recognized design & testing standards, close quality control thru the complete manufacturing cycle and 100% traceability of all pressure retaining component materials FAC continually strive to deliver products of the highest performance quality supported by fully compliant material certification to meet or exceed our customer expectations.

Forward Alloys & Castings are accredited with the following :

- ISO 9001-2015
- ISO 18001
- United Laboratories (UL)

Engineering & Design Capabilities

The FAC design team work with the latest version Autocad software supported by Solid Works 3D modelling and Finite Element Analysis (FEA) to ensure optimum value engineering whilst maintaining full compliance with international industry valve design standards.

State of the art software allows for fast and efficient transfer of data & information with customer engineering teams..



Manufacturing Capabilities

Our own in-house, ISO-9001 certified, non-ferrous foundry complete with chemical testing provides a huge competitive advantage to FAC in both price and quality terms. We can produce single castings in bronze, nickel aluminium bronze and monel® up to 1,75 metric tonnes in weight and a monthly output of 30 metric tonnes.

Modern CNC machining centres ensure we achieve the highest levels of machining accuracy and repeatability delivering quality product every time, on-time.



Global Support

Forward Alloys & Castings valve products are supplied to the global oil & gas, FPSO, refining, LNG, naval marine and power generation industries.

The large installed valve base is supported by an ever growing, and carefully selected & trained, global network of sales agents and distributors providing local technical support.



GATE VALVE



GLOBE VALVE



BALL VALVE

Design Standards:

- API600 / BS1414 / BSEN12288 / MSS-SP80 / BS5154 Series A BSENIS010434

Design Configurations:

- Bolted / Union Bonnet
- Rising / Non-Rising Stem
- Inside / Outside Screw Stem
- Solid / Flexible Wedge

Size Range:

- 2" - 24" DN50 - DN600

Pressure Rating:

- ANSI 150 & 300

Design Standards:

- Bs1873 / BS5154 Series A / MSS-SP80

Design Configurations:

- Bolted / Union Bonnet
- Rising / Non-Rising Stem
- Inside / Outside Screw Stem

Size Range:

- 2" - 24" DN50 - Dn600

Pressure Rating:

- ANSI 150 & 300

Design Standards:

- Bs5351 / ENISO17292 / MSS-SP72

Design Configurations:

- 2 piece, Constructions
- Blow out Proof Stem
- Floating and Trunnion
- Mounted Ball
- Firesafe Design / Anti-static

Size Range:

- 2" - 24" DN16 - Dn600

Pressure Rating:

- ANSI 150 & 300

After Sales

We are committed to the provision of the full range of after sales support activities including technical support, supply of spares and on-site commissioning and repair services. Our technical and commercial teams will deal promptly with all requests for assistance ably supported by our local representatives.



SWING CHECK



BUTTERFLY



3 PC BALL VALVE

Design Standards:

- Bs1868 / BS5154 Series A / MSS-SP80

Design Configurations:

- Bolted / Union / Screwed
- Bonnet
- Swing / Lift / Wafer

Size Range:

- 2" - 24" DN50 - Dn600

Pressure Rating:

- ANSI 150 & 300

Design Standards:

- API 609

Design Configurations:

- Bi-directional single / Double Offset
- Wafer / Wafer Lugged / Double Flanged
- Resilient Seat

Size Range:

- 2" - 24" DN50 - Dn600

Pressure Rating:

- ANSI 150 & 300

Design Standards:

- Bs5351

Design Configurations:

- 3PC

Size Range:

- 1/4" to 2"

Pressure Rating:

- 150,300,600



Offshore Oil & Gas



Floating Production Systems



Refinery / Petrochemicals



Power Generation



LNG



Naval Marine

foc Forward Alloys & Castings

Corrosion Resistant Valve Manufacturer

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