



# ABYSS ENGINEERING VALVE SERVICES & TRADING

[www.abysssvalves.com](http://www.abysssvalves.com)

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# INTRODUCTION

Abyss engineering is a premium quality company that specialized in the Manufacturing, Inspection, Servicing & Refurbishment of Valves for Oil, Gas, Hydrocarbon, Petrochemical, Chemical Industry, Power Plant, Iron & Steel Plant, Fertilizers, Sugar Industry, Pharmaceutical, Water Treatment Plant and General Industries. The work shop is fully equipped with the fabrication facilities qualified manpower and refurbishment equipment needed for all of your valve requirement.

We are conveniently located beside of Shop No.7, Boriwade T.M.C. Ground, Opp. Atlas CHS., Havare City Road, G.B. Road, Thane (W) 400615.

Whenever & Wherever you need basic or specialized industrial maintenance and / or fabrication Valve needs, Abyss Engineering is ready to serve as your " Single - Source " professional choice.



## TRADING & MANUFACTURING OF VALVE

### 1) Forged Steel Gate, Globe & Lift Check Valves.

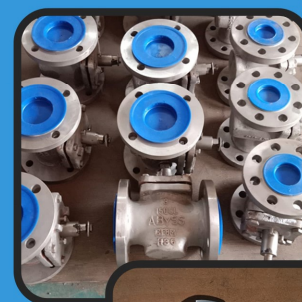
Pressure Rating class : 800 / 1500 / 2500.  
technical data

#### Features :

- OS & Y type, bolted bonnet, solid wedge.
- Design - Std. API 602 / EN ISO 15761 / ASME B 16.34
- Testing as per API 598 / ISO 12266-1
- Valve with integral back seat arrangement.
- Screwed, socket welds and face to face dimensions as per manufacturing standard.
- Fugitive to emission testing as per API 624.

#### On Request :

- Full bore construction.      - Welded bonnet construction.
- Locking Arrangement (Open / Close)
- NACE as per MR- 0175 / 0103.      - Stellite hard face.
- For low temperature and Cryogenic service as per BS 6364.
- All exotic materials ( Super duplex/ Hast Alloy/ Monel/ Inconel)





## II) Cast Steel Gate, Globe, Non Return, Angle, Ball, Butterfly, Plug, Steam Trap and Strainers.

Pressure rating class: 150 / 300 / 600 / 900 / 1500 / 2500

### Technical Data:

#### Features :

- OS & Y type, bolted / pressure seal bonnet, flexible wedge.
- Ball valve - floating & turnion mounted reduced and full bore.
- Non return check valve-Swing, lift wafer and Lugs type.
- Design - Std API 600 / 607 / 609 / 6D / ASME B 16.34.
- Face to face dimension as per B 16.10.
- Flange drilling as per ASME B 16.5 / B 16.47 RF serrated / Butt weld ends as per B 16.25.
- Valve with back seat arrangement.
- Seat-metal and soft as required.
- Operating temperature- 40 C to 180 C.
- Testing- as per API 598 / EN ISO 12266-1 API 6D.



### On Request :

- Locking arrangement ( open / close )
- Solid Wedge.
- Gear / Electrical actuator / Pneumatic actuator
- NACE as per MR -0175 / 0103
- Stellite Hard face.
- For low temperature & cryogenic services as per BS 6364
- Jacketed valves.
- Emergency sealant injection.

## SERVICES OFFERED

The abyss engineering shop is professionally staffed with experienced supervisors and trained technicians who are ready to meet all of your valve repair and servicing needs. We are dedicated to assure that your industrial plant valves and associated instrumentations are attended to all the highest level of standards available in our industry today. We are fully committed and always without compromise when it comes to the quality we provide.

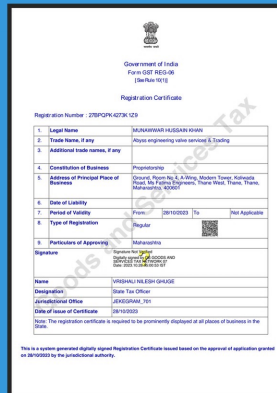
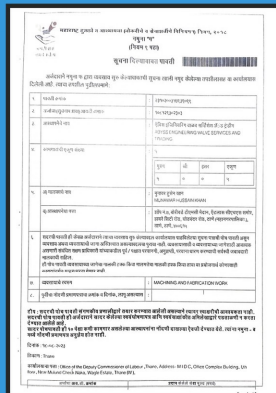
Our company's capabilities includes overhauling, repair, Re-engineering, calibration/ testing of all kinds of sizes of.

# GATE VALVES, PARALLEL SLIDE VALVES, GLOBE VALVES, ANGLE VALVES, CHECK VALVES, BALL VALVES, PLUG VALVES, BUTTERFLY VALVES, CONTROL VALVES, SAFETY VALVES AND OTHER GENERAL VALVES.

Our servicing and support activities include (at least) the following:

- 1) Complete plant shutdown and turn around for maintenance of valves.
- 2) One-side service includes professional removal and re-installation of valves.
- 3) Re-packing of valves gland can be completed on site.
- 4) Replacement of valves bonnet joints.
- 5) On live-line valve leak arrested by sealant injection technology
- 6) Refurbishment and re-tubing of heat exchangers.
- 7) Fabrication of vessels.
- 8) Fabrication of pipe & spools.

## Certificates



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