

CONTACT

9823654577
bapu.kokade@gmail.com

AREAS OF EXPERTISE

- Finite Element Analysis (FEA)
- AutoCAD 2D
- PRO-E Wildfire / Creo 2.0
- Unigraphics (UG NX) 10.2
- Team Centre
- Familiar with NPD process
- Modifying designs and retesting
- Design concepts
- Design Failure Mode and Effect Analysis (DFMEA)
- Process Failure Mode and Effect Analysis (PFMEA)
- Casting and Sheet metal
- Diaphragm valve design
- Butterfly Valve design
- HC4 Valve design
- Sheet Metal drawings for Acoustic Enclosure (DG sets)
- Fabrication Drawing (Fisher Plate for truck Mounted cranes)
- Maintaining Hydraulic Equipment

PERSONAL DETAILS

DOB: 10/12/1982
Address: Pune, India

EDUCATION

Mechanical Engineering
2004 - 2007
Goa University

BAPU KOKADE

Mechanical Design Engineer

SUMMARY

A highly efficient, hardworking and talented design engineer with a comprehensive understanding of design processes and manufacturing drawings. Experienced in all the design stages of a product, including concept design, assembly drawing, detailed drawing, development and manufacture. Possessing a good team spirit, deadline orientated and having the ability to produce detailed technical specifications from client requirements.

EXPERIENCE

2018 – 2019	Design Engineer Weir Minerals Pvt Ltd, UK <ul style="list-style-type: none">• Study and execute contract for customer.• Produce component drawings of Pump.• Produce GA drawings of pump and motor.• Produced machining drawings of Shaft, Bearing cartridge, end cover etc.• Develop fabricated Bed plates for pump and motor.• Working on team centre and UG NX.
2013 – 2018	Mechanical Design Engineer Crane Process Flow Technologies India Ltd <ul style="list-style-type: none">• Design and development of Diaphragm valve, HC4 valve and actuator.• Worked on New Project Development (NPD) on polymer actuator.• Using computer-aided design (CAD) to create detailed designs and specifications.• Control and maintain the design standard of the products.• Providing design support at all stages of the design process.• Improving the design, performance and efficiency of existing products.• Undertaking simple draft stress calculations, weight calculations. Checking drawings for accuracy and errors• Considering issues such as cost, safety and time constraints about the product.• Communicating with customers and suppliers to resolve design issues.• Reverse engineering work for modification by using 3D scanning

EXPERIENCE

2010 - 2013

Mechanical Design Engineer

Delval Flow Controls Pvt Ltd

- Comprehensive understanding of engineering and design principles.
 - Design and development of double Offset Butterfly Valve.
 - Preparing layout drawings for double Offset Butterfly Valve.
 - Detailing of Drawings means producing casting and machining drawing for manufacturing process,
 - Preparing Bill of Materials for order execution (BOM).
 - Producing General Arrangement (GA) drawing for customer to support inside sales.
-

2008 - 2010

Mechanical Design Engineer

Shrinivas Machine Craft Pvt Ltd

- 3D Modelling, 2D Drawing & Assembly of Diesel Generator enclosure on Pro-E.
 - Development or modification required in fabrication and sheet metal drawing.
 - Produced Sheet Metal Drawing for Laser cutting Machine.
 - Produced Sheet Metal Drawing for Bending Machine, Punching Machine, and SALAVAGININI Machine.
 - Produced & Communicated Fabrication drawings to workshop people.
-

2007 - 2008

Technical Executive Engineer

**CHOWGULE AND COMPANY PVT.LTD.
(CRANE DIVISION)**

- Designing on Pro E & Auto Cad 2006 (2D)
- Design and Manufacturing of fabrication drawings for Sub-frames.
- Servicing of Cranes including checking of hydraulic oil in cylinders.
- Installation of cranes on site (Truck & Tractor mounted Cranes). From the series UR-V200 to UR-V800e.
- Handling Customer complaints on site.
- Maintaining Hydraulic Equipments.

VALVE MANUFACTURING STANDARDS KNOWN

➤ **Valve Design Standards**

API 609, ASME B16.34, MSS-SP-68, AWWA C504, ASME 16.21

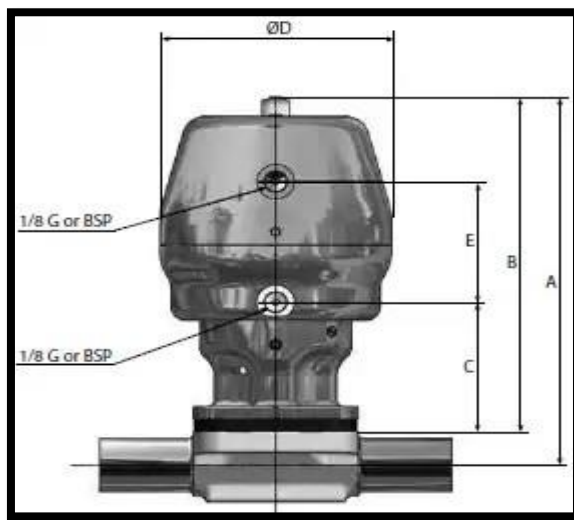
➤ **Valve End Connection Standards**

B16.5, B16.47, ASME 36.10, IS 6392, DIN 2501, C502

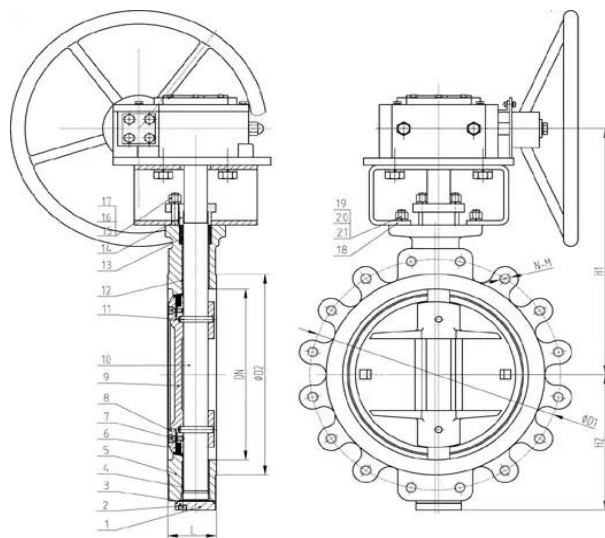
➤ **Valve Testing Standards**

API 598, FCI 70-2

PORTFOLIO



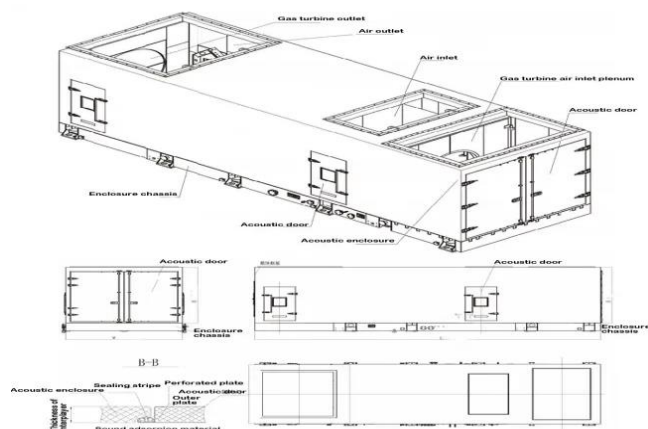
HC4 Valve Assembly



Butterfly Valve



Diaphragm Valve



Sheet Metal Design Work