

Ajay C. Navale



Tel# +91 9222446604

E-mail: mr.ajaynavale@yahoo.co.in

PROFESSIONAL SUMMARY

- A diligent and dedicated Bachelor of Engineering (Mechanical) and experience of 12+ years and significant contribution and innovative work techniques towards Design, Development & Construction of Products in Engineering and Mechanical Production in a world class professional PD pumps organization.
- Knowledge of positive displacement pump as metering pump, diaphragm pump, dosing systems, chemical injection skids, triplex pumps, screw pump, vane pump, marine piston & plunger pumps, centrifugal pumps etc.
- Knowledge in new product development with demonstrated ability to produce innovative and successful products from concept to project completion.
- Proven ability to successfully increase efficiency, achieving benchmarks in standards, with strong analytical mind-set to learn quickly, analyze the situation, identify requirements and provide solutions
- An effective communicator with strong organizational, supervisory, mentoring & relationship management skills while maintaining highest standards of personal performance and professionalism

KEY COMPETENCIES

Mechanical FEED/Design Engineer ~ Positive displacement Pump Industry Expertise ~ Dosing system & Chemical Injection skids execution ~ Engineering Design & Development ~ NPD ~ Rotating Equipment Design ~ Project Management ~ Technical documentation & calculation ~ Team Management ~ Product engineering ~ VAVE Engineering ~ Proposal Engineering ~ Application Engineering ~ API 674~API 675~API 676~API 610~

CAREER PROGRESSION



SPXFLOW TECHNOLOGY INDIA PVT LTD

June 2021 - Till Date

Jan 2018 - Aug 2019 (1 Yrs. 8 months)

Based in Charlotte, North Carolina, SPX FLOW, Inc.....visit:- <https://www.spxflow.com/about/our-company/>

Senior Product Engineer - Department: Design (PD Pumps)

Job Summary:

Responsible for executing end to end product engineering project/new product development / technical order engineering / standardization / VAVE project/ BOM/ technical Documentation and calculations related to highly customized and high quality positive displacement pumps such as diaphragm & piston pumps for F&B, pharmaceutical, Oil & gas application.

Principle Duties & Responsibility:

- Work on Product design and development activities and VAVE related activities.
- Develop innovative and cost effective mechanical designs using plant standard procedures, engineering knowledge and experience.
- Implement knowledge of industry codes and standards, such as ASME, API, and ANSI, relevant to oil and gas customers
- Performing related engineering calculations for day-to-day activities and long term projects
- Perform engineering calculations on mechanical designs related to OE jobs, sizing of pumps, motors & pulsation dampeners, selection of couplings etc. with great responsibility and commitment.
- Able to develop mechanical layout for specific orders
- Review customer specification, understand, interpret, and clarify requirements and generate deviation lists, analyze engineering requirement and propose engineered solutions.
- Working with Design and Manufacturing Engineers, following the manufacturing and assembling process, employ problem solving skills to resolve issues encountered.
- Creation of 3D models, assemblies, drawings and BOM using Inventor, Creo, Solidworks, Autocad, Inventor, SAP and VAULT, WINDCHILL servers.. Creation of detail, GD&T, P&ID's, GA's, fabrication drawings, bills of material
- Document Distribution System handling
- Review & release of drawings, able to create material master using MM01 code in SAP, build BOM in SAP 6 for respective projects.
- Able to understand and create technical documentation required for specific projects

- Support on plant build activities, attend manufacturing issues and provide solutions.
- Work independently or as a team member in the global engineering team. Also work collaboratively in multi-disciplinary teams.
- Responsible to drive continuous improvement (kaizens), KPI metrics etc.
- A proactive approach to continuous improvement, safety, and quality.

Accomplishment:

- Supported global team for cost reduction through product standardization & vendor development in India.
- Part of development team of Brann & Luebbe NOVADOS H series cost reduction & customer support.
- Also heading CEREX pump series development for ASIA market
- Achieved BKW Rated power saving upto 3% to meet ROI



V. K. PUMP INDUSTRIES PVT LTD

Sep2019-May 2021 (1 Yrs. 9 months)

Apr 2012 –Dec 2017 (5 Yrs. 9 months)

Established in 1971, visit:-<https://vkpumps.com/index.php/about-us/>

Senior Manager Development - Department: R & D

- Create and maintain project schedules and manage project to meet deadlines as well as Quality benchmarks.
- Lead the new product development design team into the development of Product Specifications
- Complete project feasibility analysis and Pre-Prod authorizations
- Creation of P&ID's, GA's, 3D & 2D drawings, BOM, Technical documentation & calculation
- Direct and Supervise the creation of detailed design drawings and production of conceptual designs
- Analysis of design to applicable standards or marketing specification
- Define and lead prototype development, testing and field trials
- Plan and work in conjunction with process planning department for manufacturing the product
- Provide periodic written reports, presentations of project status to management
- Direct and perform standard product support activities such as: analyzing and writing Engineering Change Orders for products
- Troubleshooting product problems in manufacturing, lab, or customer sites; discretionary projects such as cost reductions, packages, product upgrades; Initiate corrective action activities
- Development of vendors & suppliers to meet international quality standard, as and when required

Accomplishment:

- Positive displacement Plunger pump (3 variants) for marine application
- Execution chemical injection skids like Ammonia Injection, Sodium Hypochlorite, Biocide, PPD, Water, Demulsifier, Carbonate corrosion Inhibitor, Oxygen scavenger, Methanol, Amine, Die Injection, Anti Oxidant etc.
- Triplex Plunger/Process Diaphragm Pump (5 variants)
- Solved many problems occurred during production pump with value engineering ideas
- High pressure triplex pump for liquid CO2 & Hot water wash application
- Developed high pressure hydraulic Diaphragm pump heads for Indian Pump market
- Developed one of the biggest size pump made in India, 60HP process diaphragm pump for EPC client hydrocarbon application



Rise.

MAHINDRA & MAHINDRA LTD, Nasik

Jan 2011 – Mar 2012(15 Months)

M & M entered automotive manufacturing in 1947. We follow a unique business model of creating empowered companies that enjoy the best of entrepreneurial independence and Group-wide synergies. This principle has led our growth into a US \$16.5 billion multinational group with more than 180,000 employees in over 100 countries

Engine Build Coordinator - Department: R & D (Engine)

- Complete Prototype Engine built up as per requirement
 - For engine test bed
 - Vehicle validation
- Ensuring the availability of proto parts – quality and quantity point of view for new engine variants
- Coordinating in Prototype part measurement and testing validation of Prototype Engines
- Conducting fitment trial and concerns resolution on Proto assembly room
- Solving the issues raised during assembly of Engine by design iteration
- Giving suggestions based on testing result on vehicle and engine test bed to design team for improving part quality
- Preparation of checklists for Proto engines
- Implementation of design changes / modifications
- Support to production concern resolution and quality inspection.

- Involved in development of tools and fixture for protocol engine build
- Creating Value Engineering Ideas
- Familiar with all engine parts functions and importance, understands the Engine Build and validation

Accomplishment: Project:

- Compact Xylo (Quanto) Engine U203 (1.5 litre)

Project Profile:

“Advance braking system in bike” (BE)

- In this project bikes both brakes operates on one single pedal like a car brakes

“Motorized wheelchair” (DME)

- In this project wheelchair is operated by the remote control

PROFESSIONAL & ACADEMIC CREDENTIALS

• BE	Finolex College of Engg. Ratnagiri, Mumbai University	64%	May 2010
• Diploma	Thakur Polytechnic, MSBTE	72.38%	May 2006
• SSC	Shree Ekvira Vidyalaya, Maharashtra	76.66%	Mar 2003

COMPUTER & TECHNICAL SKILLS

- SolidWorks, Creo, Inventor, AUTOCAD, MS office, CNC, VMC, SAP, MS Project 2013 & Primavera P6 R16.1
- STCW-95 (PST ,PSSR ,Fire Fighting ,Seamanship skills),HUET
- Certified “After market service training” by Bran&Luebbe, Norderstedt, Germany.
- Diploma in Project Management from CADD Center (MS Project +Primavera)

PERSONAL INFORMATION

P. Address:	Plot No. 143, B18, Dattaniwas CHS, Sector-1, Charkop, Kandivali (W), Mumbai – 400067
C. Address:	G-503 Puneville, Kate wasti, Punawale , Pune-411033
Hobbies:	Learn new pumps, Collecting Technical Books & Papers, SPM machines etc
Languages Known:	Hindi, English and Marathi
Date of Birth:	29th June 1987
Marital Status:	Married
Nationality:	Indian