



Flowbay
ENGINEERING

FLOWBAY ENGINEERING

Flow Solutions for a Sustainable Future

INTELLIGENT FLOW SOLUTIONS

For Water and Industrial Infrastructure

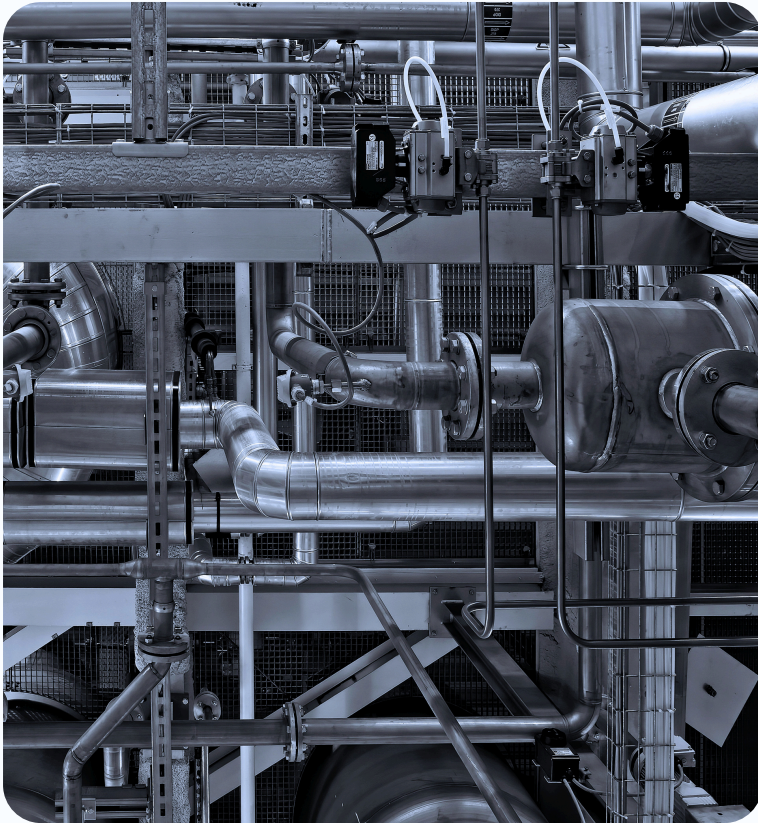


www.flowbayeng.com



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Engineering Solutions, Not Just Products



Flowbay Engineering is a forward-thinking engineering solutions company specializing in comprehensive water control systems.

Established with a mission to deliver high-performance, sustainable, and innovative solutions, we focus on three critical areas:

- ✓ Water Valves
- ✓ Metering Technologies
- ✓ Surge Protection Systems



Water Valves

Precision-engineered flow control and protection solutions.



Smart Metering

Accurate measurement and real-time system insights.



Surge Protection

Safeguarding infrastructure from hydraulic shocks and pressure surges.



Our objective is to empower utilities, municipalities, and industrial clients with precision-engineered products that ensure operational efficiency, reliability, and long-term resilience.



Engineered for Every Flow Water & Industrial Valve Solutions

Valves are essential components in every fluid-handling system.

While **water infrastructure** focuses on reliability in low-to-medium pressure environments, safe drinking water transmission, minimal leakage, and smooth flow control, **industrial environments** demand performance under extreme temperatures, aggressive chemicals, high pressures, and volatile fluids.



Water Infrastructure

- ✓ **Precision Flow Control**
Regulate flow and pressure for stable distribution networks.
- ✓ **Pipeline Integrity**
Eliminate water hammer using Non-Slam Check and Air Release Valves.
- ✓ **Revenue Optimization**
Accurate metering and leakage detection.
- ✓ **System Protection**
Integrated surge protection for infrastructure reliability.



Industrial Applications

- ✓ **Reliable Isolation**
Butterfly valves for high-pressure environments.
- ✓ **Process Efficiency**
Axial Flow Control Valves for precise modulation.
- ✓ **Equipment Protection**
Prevent backflow and maintain efficiency.
- ✓ **Customized Durability**
Valve solutions engineered for demanding operations.



One Engineering Philosophy. Two Critical Sectors.

Flowbay delivers specialized valve, metering, and protection solutions tailored to the unique demands of both water infrastructure and industrial operations.

Engineered Components for Reliable Flow Networks



Flowbay Engineering supplies high-quality water valves in both **Cast Iron (CI)** and **Ductile Iron (DI)**. CI offers excellent machinability and cost efficiency, while DI provides superior strength, flexibility, and impact resistance. This ensures durable, reliable valve performance across varied water supply and infrastructure applications.



CONVENTIONAL VALVES



Gate Valves
(Metal & Resilient Seated)



Butterfly Valves
(Wafer, Lug, Concentric, Double Eccentric)



NRV Check Valves
(Swing, DPCV, MPCV, Zero Velocity)



Air Valves
(Double, Triple, Air Cushion)



CONTROL VALVES



Diaphragm Type



Plunger Type



SURGE CONTROL VALVES



Surge Anticipating Valve



Quick Pressure Relief Valve



Air Valve (SP Disc)



METERING SOLUTIONS



Woltman Water Meter



**Electromagnetic Flow Meter
AC/DC Powered**



**Electromagnetic Flow Meter
Battery Powered**

SYSTEMATIC ENGINEERING APPROACH

Systemic Challenges In Modern Water Infrastructure



Water Loss
due to pressure
surges and poor
flow control



**Manual and
Reactive**
monitoring systems



Outdated
metering
infrastructure



Limited
predictive
maintenance



SYSTEM IMPACT

**Water Loss
Due To Surge**

Why Leading Utilities Choose Flowbay



Advanced Water Valves

Engineered for accuracy, durability, and optimal flow control in a variety of water management applications.



Surge Protection Systems

Designed to safeguard water infrastructure against pressure transients and hydraulic shock, ensuring uninterrupted system performance.



Smart Metering Solutions

Providing real-time data insights for efficient monitoring, billing, and leak detection.



Water Valves



SOLUTION
CENTRIC



Metering



Surge Protection



Unlike conventional methods, Flowbay Engineering approaches every challenge with a solution-centric mindset.



**Precision Engineering.
Intelligent Infrastructure.**

ADVANCED TAILORED SYSTEM SOLUTIONS

Engineering Expertise Beyond Products



TECHNICAL EXPERTISE



Hydraulic Modeling

System Analysis



Custom Valve Sizing

Selection



Surge Protection

Design & Diagnostics



RTU Integration

Remote Monitoring

DIGITAL INTEGRATION



By merging hydraulic excellence with digital intelligence, Flowbay Engineering is building the bridge between traditional infrastructure and smart water networks.

PARTNER WITH FLOWBAY ENGINEERING

Building Smarter Water Infrastructure Together



Our Commitment

Flowbay Engineering is committed to becoming a trusted partner in India's water and industrial transformation journey. We offer complete system thinking, backed by world-class products and engineering expertise.

WHY PARTNER WITH US



Complete system thinking for sustainable solutions



World-class products and engineering expertise



Efficient, sustainable, and smart resource management



Customized solutions for your specific challenges

OUR APPROACH

1

Understanding the Application

2

Analyzing System Dynamics

3

Designing Customized Solutions



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Partner with Flowbay Engineering to unlock efficiency and resilience in your infrastructure.