

Innovating Flow. Powering Industry.

A UNIT OF AK GROUP OF COMPANIES



# PRE-FABRICATED PIPING SPOOLS AND PIPELINE INSTALATION



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## ABOUT US

AEROTECH is deeply committed to delivering excellence in every aspect of service to customers. Specializing in comprehensive piping solutions, Oxyvac provide a vast array of high-quality products, ranging from pipes to an extensive selection of piping spools in both ferrous and non-ferrous materials. With a focus on meeting individual client specifications,



**AEROTECH** boasts a proficient team dedicated to designing, engineering, manufacturing and even installation, commissioning and testing at site of piping spools. Oxyvac ensures all items availability to clients as part of a seamless package. Our ethos revolves around being a dependable one-stop solution provider for all piping needs. Spools are essentially preassembled units created by combining pipes, pipe fittings, and flanges based on specific isometric designs. Once meticulously assembled, these spools are then transported to the installation site for swift and efficient setup.

## MANUFACTURING FACILITY

**AEROTECH** manufacturing facility over 20,000 sqft, equipped with cutting-edge machinery and manned by a team of over 10 qualified welders. Their expertise extends to tackling even the most daunting tasks with finesse, supported by adept material handling practices and a range of plant machineries. This setup enables Oxyvac to deliver top-tier spool fabrication services, catering to all requirements.

Fabrication conducted at the shop floor ensures superior quality and construction compared to on-site assembly. Opting to purchase complete units rather than individual parts and assembling them offers a more cost-effective solution, with considerable savings on labor costs. Additionally, on-site warehousing of various parts incurs additional expenses, and material wastage during fabrication adds to the project's overall costs. Pre-fabricated spools not only save substantial time and effort but also significantly reduce project costs.

## MATERIALS FABRICATION RANGE

MATERIALS	GRADES
Stainless Steel	ASTM A403 WP Gr. 304, 304L, 316, 316L
Carbon Steel	ASTM A 234 WPB, WPBW, WPHY 42, WPHY 46, WPHY 52, WPH 60, WPHY 65 & WPHY 70.
Low Temperature Carbon Steel	ASTM A420 WPL3, A420 WPL6
Alloy Steel	ASTM / ASME A/SA 234 Gr. WP 1, WP 5, WP 9, WP 11, WP 12, WP 22, WP 91
Duplex Steel	ASTM A815, ASME SA 815 UNS 31803

## SPOOLS FABRICATION RANGE

CONSTRUCTION	GRADE	SIZE RANGE	SCHEDULE / THK MM	MAX THK
SEAMLESS FABRICATTION	CS	0.5" TO 24"	SCH10/2MM	XXS/60
SEAMLESS FABRICATTION	AS	0.5" TO 24"	SCH10/2MM	XXS/60
SEAMLESS FABRICATTION	SS	0.5" TO 24"	SCH10/2MM	XXS/60
WELDED FABRICATTION	CS	0.5" TO 24"	SCH10/2MM	XS/13
WELDED FABRICATTION	AS	0.5" TO 24"	SCH10/2MM	XS/13
WELDED FABRICATTION	SS	0.5" TO 24"	SCH10/2MM	XS/13

## TEAM WORK – DESIGN ENGINEERING AND QUALITY CONTROL

**AEROTECH** dedicated team of engineers specializes in providing comprehensive engineering solutions, covering every aspect of the process. With a firm grasp of cutting-edge technology and equipped with the latest software solutions, the design team excels in crafting flawless designs tailored to fabrication needs.

### **Detailed Piping Layout:**

A meticulous blueprint outlining the arrangement of piping systems, ensuring optimal functionality and efficiency.

### **Piping Layout Drawing- Isometric With BOM:**

Detailed isometric drawings accompanied by Bills of Materials (BOM), providing a comprehensive view of the piping layout and necessary components.

### **Material Specification & Dimensional Specification:**

Thorough specifications outlining the materials to be used and precise dimensional requirements, ensuring accuracy and quality in fabrication.

By offering end-to-end engineering solutions, **Aerotech** ensures seamless integration of design and fabrication processes, facilitating efficient project execution and delivering superior results.

## KEY FEATURES

### CONSULTING

Expert guidance to select the most efficient gas and liquid control systems suited to your industry needs.

Customized designs to ensure optimal system performance and meet specific industrial requirements.

### DESIGN & ENGINEERING

### ERECTION & COMMISSIONING

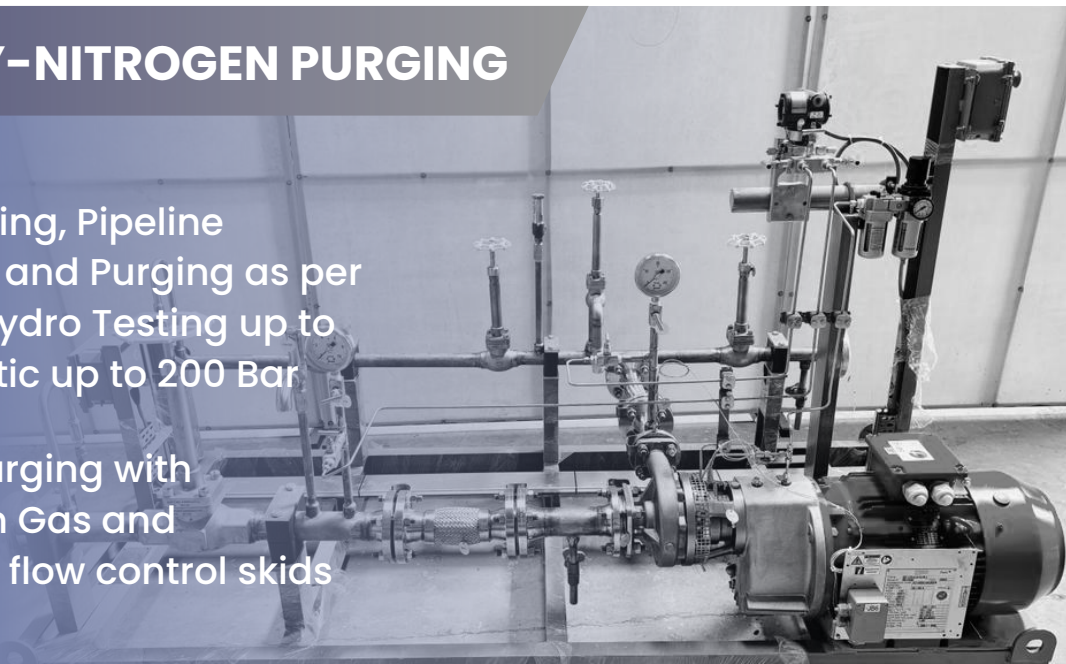
Professional installation and commissioning services to ensure a smooth and reliable start-up of your system.

We provide on-site support throughout India and globally, offering comprehensive assistance from installation to maintenance.

### ON-SITE SERVICES

## ON-SITE ACTIVITY-NITROGEN PURGING

- On-Site Pressure Testing, Pipeline cleaning, Degreasing and Purging as per client Requirement, Hydro Testing up to 500 bar and Pneumatic up to 200 Bar
- Tanks and Pipeline Purging with High Volume Nitrogen Gas and Specific Pressure and flow control skids



## WHY CHOOSE

# AEROTECH

INNOVATION PRIVATE LIMITED



### GLOBAL REACH

We offer our solutions across India and internationally, ensuring our clients receive world-class services anywhere in the world.

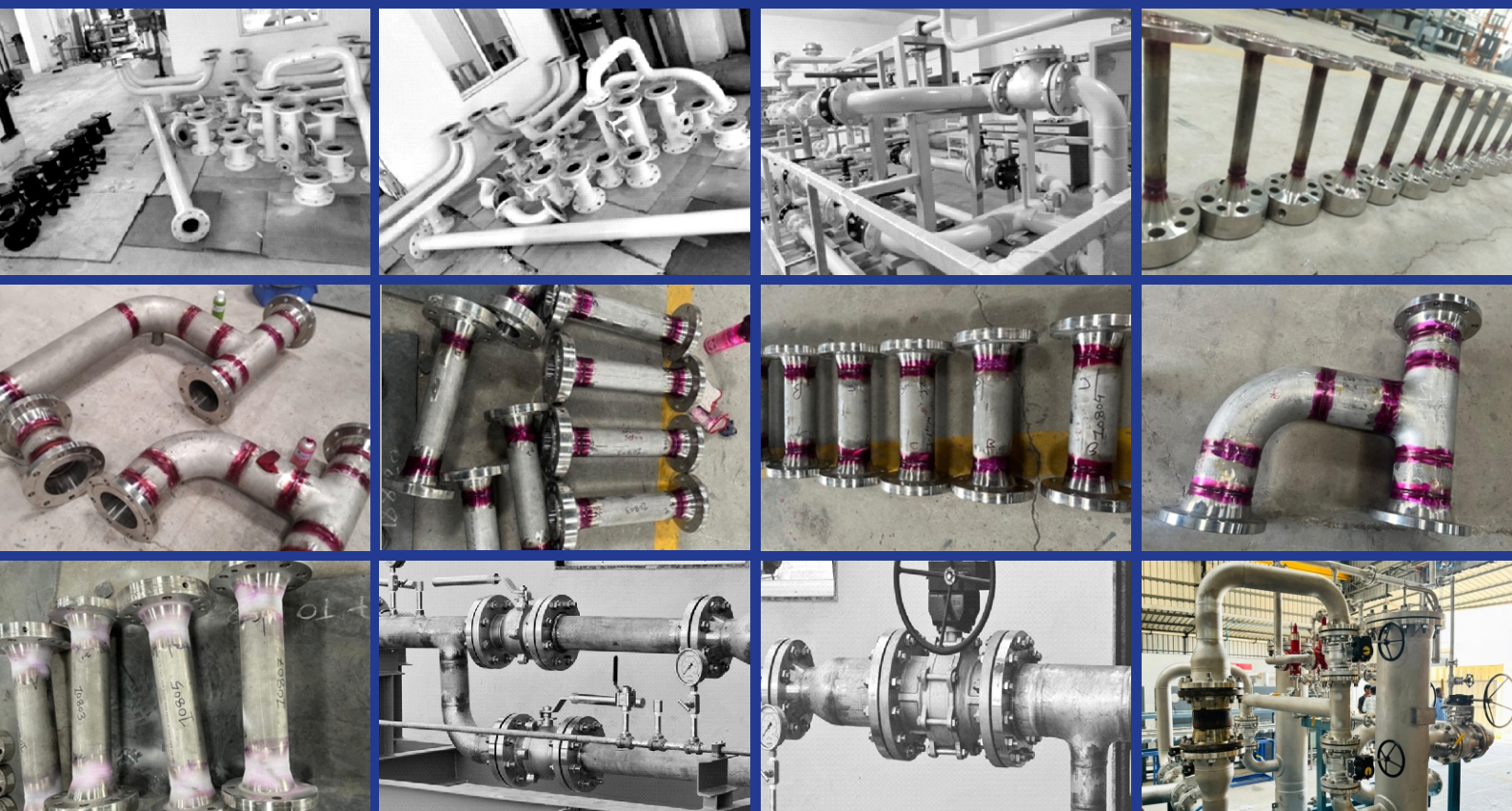
### PROVEN EXPERTISE

Our years of experience and innovation provide you with the most advanced and reliable gas and liquid control systems.

### COMPREHENSIVE SOLUTIONS

From consultation to commissioning, we handle every stage of your project with precision and professionalism.

Partner with AerotechIndia for all your gas and liquid control and metering needs and experience superior service and efficiency.





**AEROTECH**  
INNOVATION PRIVATE LIMITED



**AK**  
Group of Companies  
PROUDLY SERVING OUR NATION

**CORPORATE OFFICE :**

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DIST - PUNE 413133.

**FACTORY 1:**

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MIDC, Baramati, Dist : Pune -413133.

**FACTORY 2:**

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**Taxair Gases Pvt. Ltd.**