



# AEROTECH

INNOVATION PRIVATE LIMITED

Innovating Flow. Powering Industry.

A UNIT OF AK GROUP OF COMPANIES

## INDUSTRIAL GAS HANDLING EQUIPMENT AND DEVICES



**AEROTECH** has been in operation from 2026 we utilize some of the best engineers whose qualifications include outstanding excellence coupled with long practical experience in the field of engineering, construction and specialized erection activities, especially in the oil and Gas industry. We have managed to complete a vast array of important projects in our history from specialized fabrication, erection and maintenance of tanks, static & rotary equipment and pipework.

Our quality management system is certified and complies with the requirements of Iso 9001:2015. We consistently - to be a leader of the market in the field of engineering and maintenance of distribution heavy duty installations in the oil and gas industry sectors. We continue to develop and offer further above standard solutions and procedures for our customers. We are glad to serve you as "Your Reliable Partner".

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### Experience:

We offer a wide range of service to our clients, We are the one-stop for all your piping & fitting solution; Our experience will help our customer to get the accurate desired solution effectively.



### Mission:

The mission of AEROTECH is committed to fulfill our customers expectation by serving them appropriate products and very timely service. Our vision is a long term commitments to the industry and our customers. Which is possible through our collective experience and our belief in honesty, integrity, reliability, long-standing relationships and trust.



### Vision:

The vision of company is based on its value of continuous innovation. undying commitment and elaborate customer interaction. The company strives to provide the best possible solution to the customer by listening and understanding the various needs of the customer.



### Quality:

Accredited with **ISO 9001:2015** certification, Material are checked through approved and authorised laboratories, with complete component traceability and documentation.

We have policy of continues improvement and are constantly focusing on upgrading our products with a view to enhancing their performance.



### Registration Certificates

- ISO 13485: Guarantees your medical gases meet strict regulatory safety standards required for patient care and hospital use.
- ISO 9001:2015: Ensures consistent product quality and operational efficiency across your gas manufacturing processes to maintain high customer satisfaction.
- ISO 14001:2015: Demonstrates your commitment to sustainable manufacturing by minimizing the environmental impact of your gas production and waste.
- ISO 45001:2018: Validates robust safety protocols that protect your workforce while handling high-pressure cylinders and hazardous materials.
- ISO 29001:2020: Certifies that your quality management systems meet the specific, critical safety demands of clients in the oil and gas sector.
- CE Marking: Signifies your gas equipment complies with European health and safety laws, enabling export to the European Economic Area.

## MANUFACTURING FACILITY

AEROTECH manufacturing facility over 20,000 sqft, equipped with cutting-edge machinery and manned by a team of over 10 qualified welders and fitters . 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 AEROTECH to deliver top-tier Gas equipment 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.



## GAS CYLINDER FILLING STATIONS

- Design, Testing, Installation and Commissioning of Gas Filling Station Setup
- Gas Control Panel and Filling Manifold Setup
- Gas Application: Oxygen, Argon, Nitrogen, Hydrogen, CO<sub>2</sub>, LPG, Air, Ammonia, CH<sub>4</sub>
- Cylinder Filling Racks & Skid Solutions
- Mobile, Semi Automatic and Automatic Filling Industrial, medical & specialising Gases
- Mono Gas and mixtures Gw filling With high purity GAS, UHP GW Filling stations
- Total Gas Solutions designer, built Installed, supported and serviced worldwide
- Pressure Range up to 600 bar
- Fully factory assembled and tested ready to install mono Gas and mixture Filling Stations.
- Fixed and mobile solutions.
- Equipment, Component supply to Turnkey Solutions.



Flow Chart of O<sub>2</sub>/ N<sub>2</sub>/ Ar Filling System



## GAS CYLINDER TESTING EQUIPMENT

- Design, Testing, Installation and Commissioning of Gas Testing Equipments with all Documentation of Govt. Approvals.
- Gas Cylinder Testing Plant setup
- Testing Plants: Oxygen, Argon, Nitrogen, Hydrogen, CNG, Co<sub>2</sub>, LPG, Air, Ammonia, CH<sub>4</sub> etc.
- Cylinder Capacity: 10 L to 200 L Water Capacity



## CYLINDER QUAD & SKID MANIFOLD

- Design, Fabrication of Different Gases Cascades-skid
- Stand Mounted and Vehicle Mounted skid
- Gas Application: Oxygen, Argon, Nitrogen, Hydrogen, CO<sub>2</sub>, LPG, Air, Ammonia, CH<sub>4</sub>
- MOC: SS 304, SS 316, Brass-Copper, CS, MS etc.
- Pressure Range : 1 Bar to 700 Bar



## GAS MANIFOLDS

- **AEROTECH** provides gas manifolds for different gases application with Normal Use and Auto changeover System.
- Provide good quality and durable gas manifolds in SS 304, Brass-Copper, SS 316 and MS Constructed.
- Gases Application: Argon, Nitrogen, Oxygen, Hydrogen, Compressed Air, LPG, Natural Gas, Ammonia, CH<sub>4</sub>, CO<sub>2</sub> etc.
- Working Pressure: 0 to 700 Bar.
- Mounting: Wall and Stand Mounting with Chain Clamping
- Manifolds Provides for High Purity gases and Ultra pure gases
- Custom based Solution provide for all types of Manifolds.



**GAS HANDLING EQUIPMENT & DEVICES**

- All types of Pressure Regulators in different Materials constructed.
- Service Regulators, Gas Filters, Gas Flow Meters, Adaptors, Non Return
- Valves, Safety Valves, Flame arrestors, Needle Valves, Line Valves etc.
- Pressure Reducing System for All gases.
- SS 316/SS304 Gas Pipe Line fittings.
- Gas Cylinder Cabinets and Storage cades



**GAS PIPELINE DISTRIBUTION & AUTO SWITCHING**

- Oxyvac provides gas pipeline installation for Different Gas Users and Manufacturing Industries.
- We provide Vacuum jacketed (VJ) lines for Cryogenic Gases Application.
- Provide good quality and durable gas pipeline constructions in SS 304, Brass-Copper, SS 316 and MS materials.
- Gases Application: Argon, Nitrogen, Oxygen, Hydrogen, Compressed Air, LPG, Natural Gas, Ammonia, CH4, CO2 etc.
- Working Pressure: 0 to 700 Bar.
- Gas analysis Lab piping with high purity gases and high quality gas pipeline.



**GAS PRS-LNG/CNG/PNG/H2/N2/O2/MO2/AR/MIX**

Pressure regulating stations are required to supply certain quantity of gas at specific operating pressure. The PRS essentially performs a safety .incidentally the limitation of pressure in the downstream end is supported by safety devices like slam shut off valve, safety relief valve, creep relief valve etc.



Gas Type	inlet Pressure	Outlet Pressure	Flow rate
LPG, PNG, Nitrogen, Ammonia, Mixed Gases	0-49 Kg/cm2	0.03to26Kg/cm2	100 to 6000 SCMH
Argon, Co2, Oxygen, Nitrogen, Ammonia, Mixed Gases	0-250 Kg/cm2	1 to 49 Kg/cm2	100 to 6000 SCMH
Hydrogen	0-250 Kg/cm2	1 to 4 Kg/cm2	1-1000 SCMH

### LNG RE-GASIFICATION, PRS AND METERING

LNG Re - gasification Unit Design, Supply, Erection, Testing and Commissioning with LNG Tanks, Vaporizers, PRS skid, Metering skid, Distribution Pipeline.



### CNG DE-COMPRESSION SKID

We can also supply CNG decompression skid/pressure reduction & Metering system with Electrical Water Bath Heating along with Turbine/RPD Meter & separate Electronic Volume Corrector for following specifications,

- Inlet Pressure: up to 250 kg/cm<sup>2</sup>
- Outlet Pressure: 1 to 4 Kg/cm<sup>2</sup>
- Flow Rate: up to 2000 SCMH

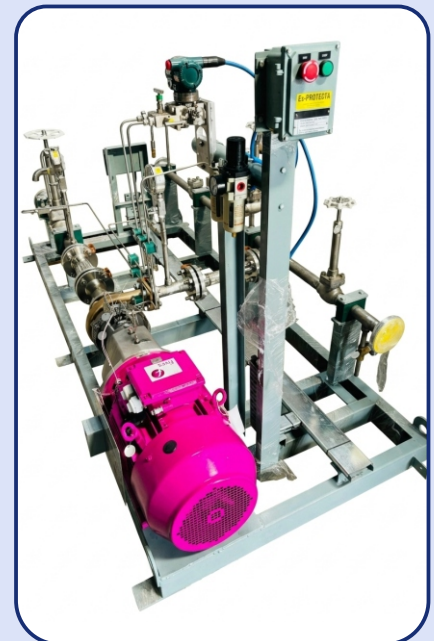


### GAS VAPORIZER AND GAS TRAINS AUTO SWITCHING

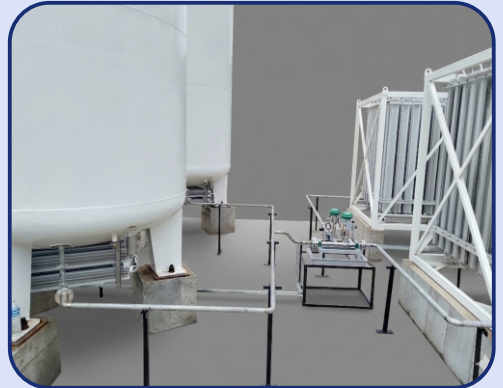
cryogenic Gas supply Auto changeover unit Design and supply with installation and commissioning. PNG Gas line auto switching for different supply line on pressure and Temperature Basis.



## PHOTO GALLERY



**PHOTO GALLERY**





**AEROTECH**  
INNOVATION PRIVATE LIMITED



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

**CORPORATE OFFICE :**

PLOT NO. C-21, MIDC, BARAMATI,  
DIST - PUNE 413133.

**FACTORY 1:**

Plot no. C-40,  
MIDC, Baramati, Dist : Pune -413133.

**FACTORY 2:**

PLOT NO. B-5,  
TEMBHURNI INDUSTRIAL AREA,  
TAL-MADHA, DIST - SOLAPUR 413211.

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**A.k. Speciality Gases Pvt. Ltd.**  
**Aerotech Industries Ltd.**  
**Aerotech Innovation Pvt. Ltd.**  
**Taxair Gases Pvt. Ltd.**