



# SRI VENKATESHWARA ENGINEERING



*One Stop Solution for  
Gas Applications*



[www.sribalajiind.in](http://www.sribalajiind.in)



# High Pure Gas Handling Equipment

The quality of High Purity and Ultra High Purity Gases used in your applications are crucial and critical in your process, the ability to maintain the gas quality is dependent on the materials and the equipment used to construct the Gas Handling system.

SVE specializes in the Design, Manufacture and Installation of High Pure Gas Handling Systems and its related components for High Pure and Ultra High Pure grade gases.

- We use tubes and fittings varying from grade SS316L, Nickel Alloys to Hastelloy Alloys, also Titanium Tubes for manufacturing of these systems.
- In High Pure Pressure Reducing Systems, we use High Pure Grade Regulators and Fittings of the similar grade.
- Tube welding is done by orbital welding using Argon gas of 5.8N grade as backing gas.
- Fabrication using materials with finishing varying from annealed, oxygen cleaned to 15ra electro polished, clean room packed fittings.
- Manpower trained and certified by Swagelok.
- Orbital welder certified by TUV.
- All our equipment certified for clean room jobs.
- We provide weld logs for orbital weld joint to clients.
- System will be helium leak tested at  $1 \times 10^{-9}$  cc/second.
- Radiography testing will be done.
- Pressure holding test will be done at 1.1 times of working pressure with helium gas.
- Pipeline will be tested for traces of O<sub>2</sub> and H<sub>2</sub>O.



## We have performed the following high pure gas systems:

- Satellite Propulsion System for ISRO, for Helium service at 275bar, using 6mm Titanium tubes, complete module performed in 100000 class clean room in LPSC, Bangalore, all the joints were tested for radiography and Helium leak detection.
- We have Designed and Fabricated Nickel Alloy reactors for SABIC, Bangalore, for chemical analysis performed in the laboratories. Withstands up to a temperature of 6000 Celsius and tested under helium for a leak rate of  $1 \times 10^{-9}$  cc/second.



## Other Products

- Gas Manifold
- Vacuum Jacketed Pipeline / Cryo Pipeline
- High Pure Gas Handling Equipment / Orbital Welding
- Quads / Cascades
- Manifold Cylinder Pallet / Cylinder Pallet
- Gas Filling Station
- Hydro Testing Station / Cylinder Testing Station
- Centralized Gas Piping / Gas Tubing
- Gas Mixer / Gas Blender
- Flexible Hoses
- Copper Pigtails
- High Pressure Main Valves
- Pressure Relief valve (SRV & TRV)
- Gas Regulators
- Brass / SS Gas Fittings
- Flash Back Arrestor
- Cryogenic Tank Repair
- Accessories for Gas Systems
- AMC for Gas Systems

**Our Gas Systems  
have been approved  
by World leaders in  
Gas Industry**

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# Our Clients



Our Gas Systems are approved by World leaders in Gas Industry such as Linde India, Praxair India, Inox Air Products, Taiyo Nippon and by leading industries in other sectors such as GE Health Care, Applied Material, Bosch, Mylan Laboratories, Titan, Samsung, Volvo, Mahindra Aero Space, Kalyani Rafael and Many more.



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