

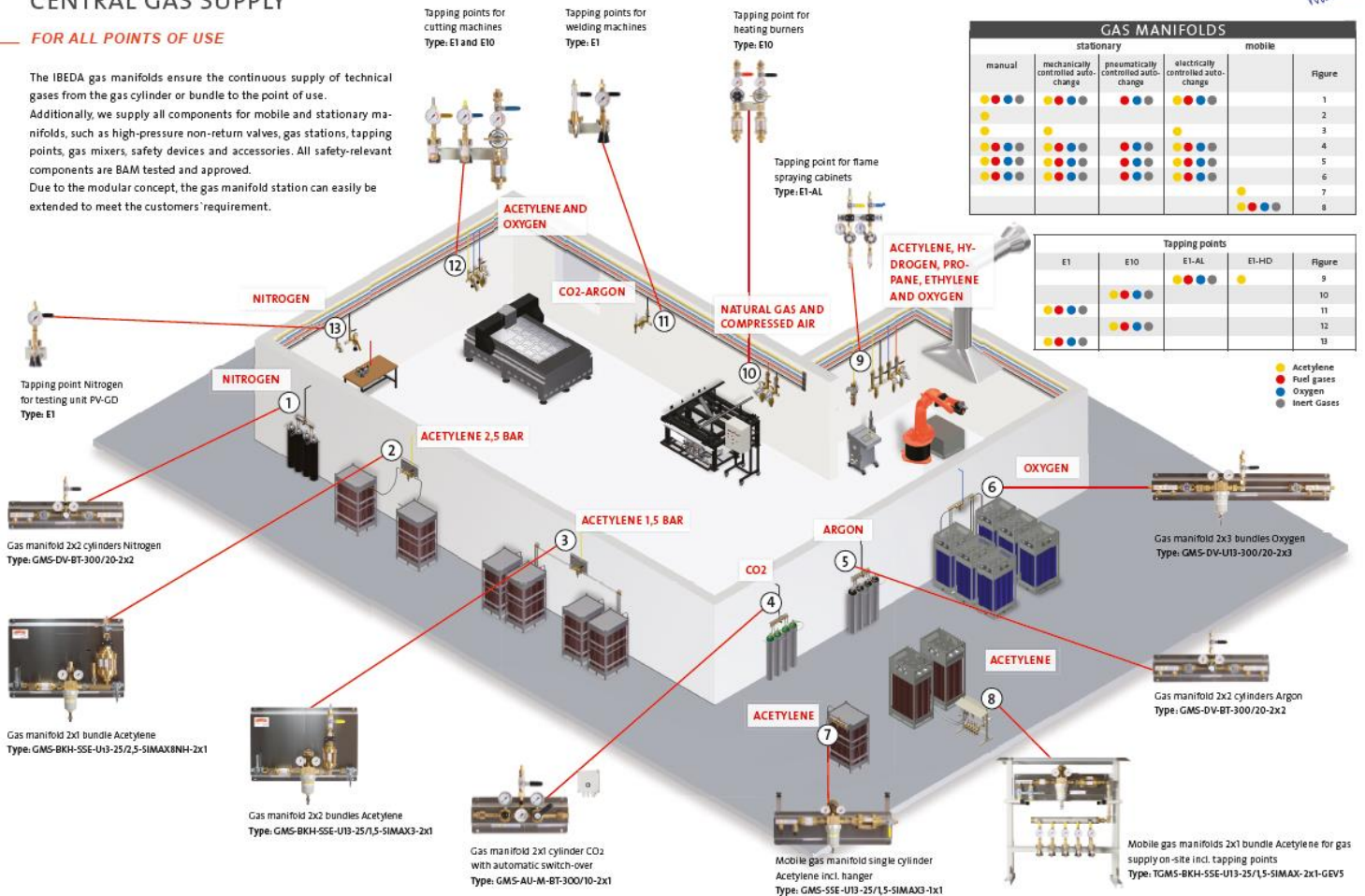
Centralized Gas Manifold System

CENTRAL GAS SUPPLY

— FOR ALL POINTS OF USE

The IBEDA gas manifolds ensure the continuous supply of technical gases from the gas cylinder or bundle to the point of use. Additionally, we supply all components for mobile and stationary manifolds, such as high-pressure non-return valves, gas stations, tapping points, gas mixers, safety devices and accessories. All safety-relevant components are BAM tested and approved. Due to the modular concept, the gas manifold station can easily be extended to meet the customers' requirement.

CERTIFIED SAFETY
Worldwide!



UNIPRO

Gas Manifold Products Helps you in Safe Handling of Gases.

UNIPRO

Manufactured / Marketed By

Unique Pipeline Projects Pvt Ltd

An ISO 9001-2015 Certified Company

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Works : O - 162, Sector - 2, Bawana Industrial Area, Delhi - 110039

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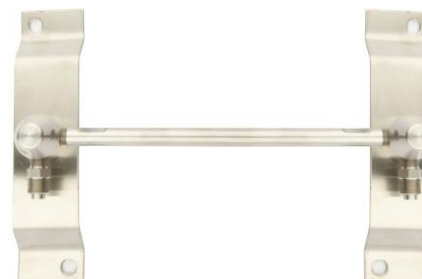




Gas Manifold Header

UNIPRO – Header SS 304 Grade Material

- SS Three Way Slip On Tee Adopter
- Modular Design for Easy Installation & Further Extension
- SS Sheet Mounting on Wall / Structural Support for Better Aesthetics & Easy Installation .
- Maximum Working Pressure - 300 Bar as per International Gas Technology .



Non Return Valve



UNIPRO – Non Return Valve – SS 304 Grade Material

- Non Return Valve for all type of Gases.
- Single Piece Body
- In Built Sintered Filter to capture Rust /Dust/Foreign particles coming with gases.
- Maximum Working Pressure - 300 Bar as per International Gas Technology.

SS 316L Corrugated Flexible Hose

UNIPRO – SS 316 Corrugated Flexible Hose

- High Physical strength .
- Resistance to fire, Moisture , Abrasion.
- A Flexible Alternative for Rigid Gas Piping in difficult location
- SS 304 Grade Double Wire Braided for Strength
- SS 304 Grade Spring on Top for Safety.
- Suitable for All type of gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar as per International Gas Technology.



SS 304 Grade High Pressure Diaphragm Valve

UNIPRO – High Pressure Diaphragm Valve

- One Piece Construction
- No Contamination of Air into the System while opening/ closing
- Coloured indication showing Open/ Close position
- Seating – PCTFE
- Diaphragm – SS 304
- Suitable for All Type of Gases.
- Maximum Working Pressure - 300 Bar as per International Gas Technology.



SS -304 Grade High Pressure Ball Valve

UNIPRO – High Pressure Ball Valve

- One Piece Construction
- No Contamination of Air into the System while opening/ closing
- Coloured indication showing Open/ Close position
- SS Ball Seating
- Suitable for All Type of Gases.
- Maximum Working Pressure - 300 Bar



SS – 304 Grade Low Pressure Ball Valve

UNIPRO – Low Pressure Valve

- One Piece Construction
- SS Ball Seating.
- Suitable for All type of gases.
- Maximum Working Pressure - 100 Bar



SS 304 Grade High Pressure Filter

UNIPRO – SS 304 Grade Filter

- SS 304 Grade Single Piece Construction for High Pressure Applications.
- Inbuilt Sintered Filter for Capturing Rust/ Dust/ Foreign particles coming with Gases.
- Suitable for All Type of Gases.
- Maximum Working Pressure - 300 Bar



Centralized CO2 Gas Pre Heater

UNIPRO – SS 304 Grade Centralized CO2 Gas Pre Heater

- One Piece Construction
- Suitable for Gas Manifold System for CO2 & N2O gas.
- Digital Display of Temperature with Facility of Temperature Adjustment.
- CVT for Overload Protection.
- LED Indication for Power & Working Situation.
- Rugged, Robust Design for Continuous Working.



Gas Cylinder Bracket

UNIPRO – Gas Cylinder Bracket

- Aluminum Die Casted Construction.
- Heavy Duty Design with GI Chain for holding gas cylinders.
- Optional Belt provision for gas cylinder holding.
- Suitable for All Type of Industrial Gas Cylinders.



Centralized Gas Manifold System



Fully Automatic Digital Change Over Panel

UNIPRO –SS 304 Grade Fully Auto Changeover Panel

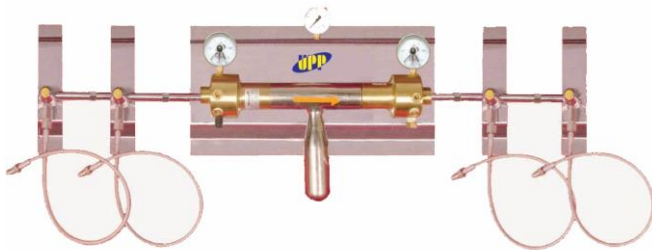
- Made from SS 304 Grade Regulators, Valves & Tubing.
- Digital Display of Gas Cylinder Pressures, Inline Gas Pressure.
- LED Indications for LHS & RHS Gas Cylinders.
- Panel in Ready to use condition.
- Suitable for All Type of Pressurized Gases.
- Maximum Inlet Pressure - 300 Bar



Semi- Automatic Change Over

UNIPRO – SS 304 Grade Auto Changeover Panel

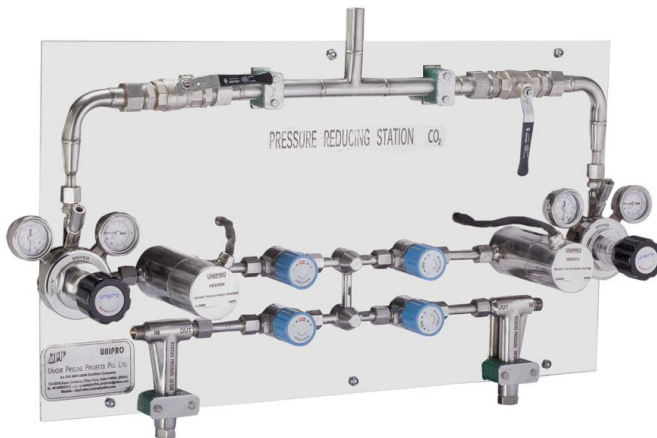
- Made from SS 304 Grade Regulators, Valves & Tubing.
- Auto changeover from LHS to RHS Side & Vice versa.
- Panel in Ready to use condition.
- Suitable for All Type of Pressurized Gases.
- Maximum Inlet Pressure - 300 Bar
-



Manual Gas Changeover Panel

UNIPRO – SS 304 Grade Manual Changeover Panel

- Made from SS 304 Grade Gas Pressure Regulators, Valves & Tubing.
- Panel in Ready to use condition.
- Suitable for All Type of Gases.
- Control Valves with On/Off Indication.
- Inbuilt Flash Back Arrester in Oxygen & Fuel Gas Changeover Panel for Safety.
- Changeover Panel also available for Nitrogen Blanketing Facility for Fuel Gases.
- Maximum Inlet Pressure – 300 Bar.



Gas Pressure Regulators



UNIPRO 500 – SS 304 /316 / 316 L Grade High Flow Gas Pressure Regulator

- Heavy Duty Gas Pressure Regulator for High Flow Applications.
- Inbuilt Safety Relief Valve.
- SS Grade Inlet & Outlet Pressure Gauges.
- Easy to Operate due to Ergonomically Design Aluminum Regulator Handle.
- Metal to Metal Seating for Leak Proof Applications.
- Suitable for All Type of Gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar



UNIPRO 400 – SS 304 /316 / 316 L Grade High Flow Gas Pressure Regulator

- Heavy Duty Gas Pressure Regulator for High Flow Applications.
- Inbuilt Safety Relief Valve.
- SS Grade Inlet & Outlet Pressure Gauges.
- Easy to Operate due to Ergonomically Design Aluminum Regulator Handle.
- Metal to Metal Seating for Leak Proof Applications.
- Suitable for All Type of Gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar



UNIPRO 300 – SS 304 /316 / 316 L Grade High Flow Gas Pressure Regulator

- Heavy Duty Gas Pressure Regulator for High Flow Applications.
- Inbuilt Safety Relief Valve.
- SS Grade Inlet & Outlet Pressure Gauges.
- Easy to Operate due to Ergonomically Design Aluminum Regulator Handle.
- Metal to Metal Seating for Leak Proof Applications.
- Suitable for All Type of Gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar



UNIPRO 200 – SS 304 /316 / 316 L Grade High Flow Gas Pressure Regulator

- Heavy Duty Gas Pressure Regulator for High Flow Applications.
- Inbuilt Safety Relief Valve.
- SS Grade Inlet & Outlet Pressure Gauges.
- Easy to Operate due to Ergonomically Design Aluminum Regulator Handle.
- Metal to Metal Seating for Leak Proof Applications.
- Suitable for All Type of Gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar



UNIPRO 100 – SS 304 /316 / 316 L Grade High Flow Gas Pressure Regulator

- Heavy Duty Gas Pressure Regulator for High Flow Applications.
- Inbuilt Safety Relief Valve.
- SS Grade Inlet & Outlet Pressure Gauges.
- Easy to Operate due to Ergonomically Design Aluminum Regulator Handle.
- Metal to Metal Seating for Leak Proof Applications.
- Suitable for All Type of Gases including Corrosive /Toxic Gases.
- Maximum Working Pressure - 300 Bar



Centralized Gas Manifold System



Gas Cylinder Pressure Regulator with Flow Gauge

Heavy Duty Gas Pressure Regulator made from Stainless Steel Grade material with Pressure Gauge for showing Inlet Gas Pressure from Gas Cylinder & Flow Gauge at Regulator Outlet for Continuous Flow of gases in LPM.

Ideal for Argon/CO₂/ACM Gas Cylinders.



Tapping Point Regulator

SS 304 Tapping Point Regulator with Pressure/ Flow gauges for various industrial gases . Tapping point regulators are directly connected to Hose.



90 Degree Angle Ball Valve

90 Angle Ball Valve Body Consists of Single Piece Die casting body having Brass Spindle with internal Neoprene Seating with SS Ball suitable for Mounting Tapping Point regulator..



Digital Low Content Gas Alarm

Digital Low Content Gas Alarm is designed for monitoring content of the residual gas in the cylinder. It provides adjustable audio and visual alarm as per convenience.



Digital Mass Flowmeter with Totalizer

UNIPRO Digital Mass Flowmeter with Totalizer is used for measuring Flow Rate and Total Volume of gas that has been consumed in the process.

It consists of two main parts:

- ❖ Flow sensor which is to be installed in the pipeline with SS 304 grade connectors.
- ❖ Totalizer with in-built SMPS displaying Flow Rate in LPM and Total Flow in Litres.



Flux Vaporizer

Flux Vaporizer is a means for adding flux in a vapour form to any fuel gas(DA/LPG). The resultant superior fluxing & wetting action encourages brazing alloys to flow evenly and follow the flame smoothly.



Digital Gas Line Pressure Alarm

Digital Gas Pipeline pressure alarm is designed for monitoring pressure in your pipeline system. It provides audio and visual alarms as per your convenience.



Digital CO2 Cylinder Gas Heater

DIGITAL CO2 GAS HEATER is installed between CO2 cylinder valve and CO2 gas regulator. It warms up the gas stream allowing for increased flow rates without regulator freeze up.



Tapping Point Box

Tapping Point Regulator fitted in MS Sheet 18 swg as per IS : 513 - 1963 with locking Arrangement for Oxygen , Nitrogen , DA Gases etc.



Tapping Point Stand

Tapping Point Regulator fitted in CRC Sq Pipe with Isolation Valve for CNC Oxygen Services , L.P.G. etc.



Flashback Arrestors

Flashback arrestors and reverse flow check valves provide additional protection against flashbacks. We recommend the use of these devices whenever possible. Flashback arrestors contain both a build in Non Return valve and a flashback arrestor.



Centralized Gas Manifold Piping

SS / Copper & CS Pipe with Fittings

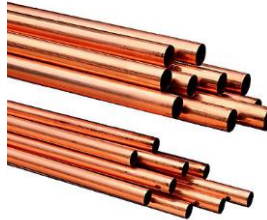


Stainless Steel Pipe & Fittings

- Seamless /ERW SS Pipes Available
- As per ASTM A312 TP 304
- Sizes - ½" to 8 " in Sch 40 /80

Copper Pipes & Fittings

- Seamless /ERW Cu Pipes Available
- As per ASTM A312 TP 304
- Sizes - ½" to 8 " in Sch 40 /80



CS Pipes & Fittings

- Seamless /ERW CS Pipe Fittings Available
- As per ASTM A312 TP 304
- Sizes - ½" to 8 " in Sch 40

PVC Clamps

Stainless Steel Pipe & Fittings

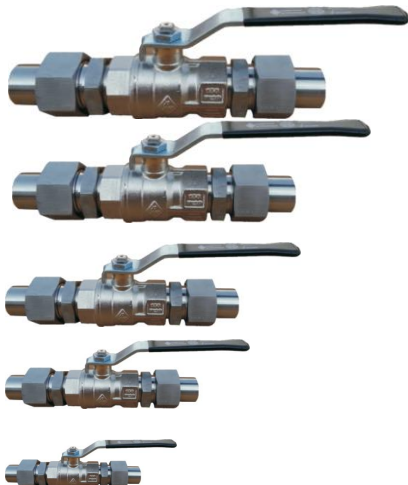
- Clamps for SS/CS/Cu Pipes Available
- Sizes - ½" to 8 " in Sch 40 /80



Isolation Valve

ISOLATION VALVES FOR SS / Cu & CS Pipes.

- Isolation valves with NUT/NIPPLE on both ends.
- Sizes - ½" to 8 " in Sch 40 /80



Centralized Gas Manifold Piping



Stainless Steel Pressure Gauge

- As per ASTM A312 TP 304
- Glycerine filled pressure gauges.
- Sizes -2-4" SS pressure gauges.



Colour Code

OXYGEN	NITROGEN	HYDROGEN	VACUUM
ARGON	D. A.	HELIUM	COM. AIR.
CO2	L. P. G.	AMMONIA	A.C.M.

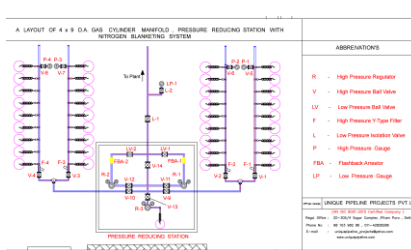
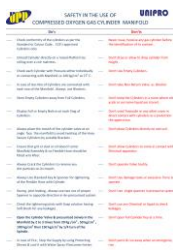
Colour coding for various pipelines as per ASTM standards.

Gas Identification Tags

Gas Identification tags for various industrial gases installed on pipelines for easy identification. High Quality flash boards for longer durability.



Gas Instruction Manual 's



Gas Instruction Manual with DO's & DONT's list and manifold layout for easy, smooth and safe operation of gas manifold system.

OUR VALUABLE CUSTOMERS



Ministry of Micro, Small and Medium Enterprises,
Government of India



TAIYO NIPPON SANOS
The Gas Professionals

