

# GAS DISTRIBUTION SYSTEM (GDS)

Sudha Analyticals extends end to end services from concept to execution at Laboratory and Plant Scale.

We deliver quality products and services complying with industrial safety standards from 2 decades.



## GAS PURIFICATION SYSTEM



Purifiers are available to remove Moisture, Oxygen and Hydrocarbons

Applications:

|                         |        |     |      |
|-------------------------|--------|-----|------|
| GC                      | ICP-MS | DSC | FTIR |
| HC-MS                   | AAS    | TGA | NMR  |
| HPLC with ELSD Detector | LCMS   | TOC |      |

## GAS CONTROL BOX



Control box delivers regulated pressure and flow to the analytical equipments

## GAS SELECTOR BOX



Option to select gas in the common line as per application requirement. Very useful in Gas Chromatograph application

## DOUBLE STAGE REGULATORS



Body: Brass Chromplated / Stainless Steel body  
 Diaphragm: Stainless Steel / Hastelloy  
 Inlet Pressure (max.): 4000 psi  
 Outlet Pressure: As per application requirement

Applications:

|          |                |
|----------|----------------|
| Nitrogen | Acetylene      |
| Hydrogen | Nitrogen       |
| Helium   | Carbon dioxide |
| Zero Air | Argon          |

## TWO CYLINDER MANIFOLD



## MULTI CYLINDER MANIFOLD



A high pressure forged structure specially fabricated for interconnecting two or more number of cylinders to a common gas supply line for analytical applications where interruption in gas supply is not recommendable

# AUTO GAS CHANGEOVER SYSTEM



In order to supply the gas pipeline systems with a constant pressure by using a control panel from two equal banks of cylinders.

When one supply drops below the changeover pressure, the selector regulator automatically switches the gas feed from the depleted supply to an alternate supply.

## GAS PIPING ACCESSORIES



ONLINE PARTICULATE FILTER



REGULATOR ADAPTER



TEE JOINT



NUTS & FERRULES



CYLINDER HOLDING BRACKET



PRESSURE GAUGE



PANEL REGULATOR



SS TUBING



CHECK VALVE



TOGGLE VALVE



BALL VALVE



NEEDLE VALVE



SS PIGTAILS



PURIFICATION TRAPS



MOISTURE/OIL TRAP



GAS SAMPLER BOMB



**SUDHA**  
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Your Lab | Your Safety | Our Concern

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