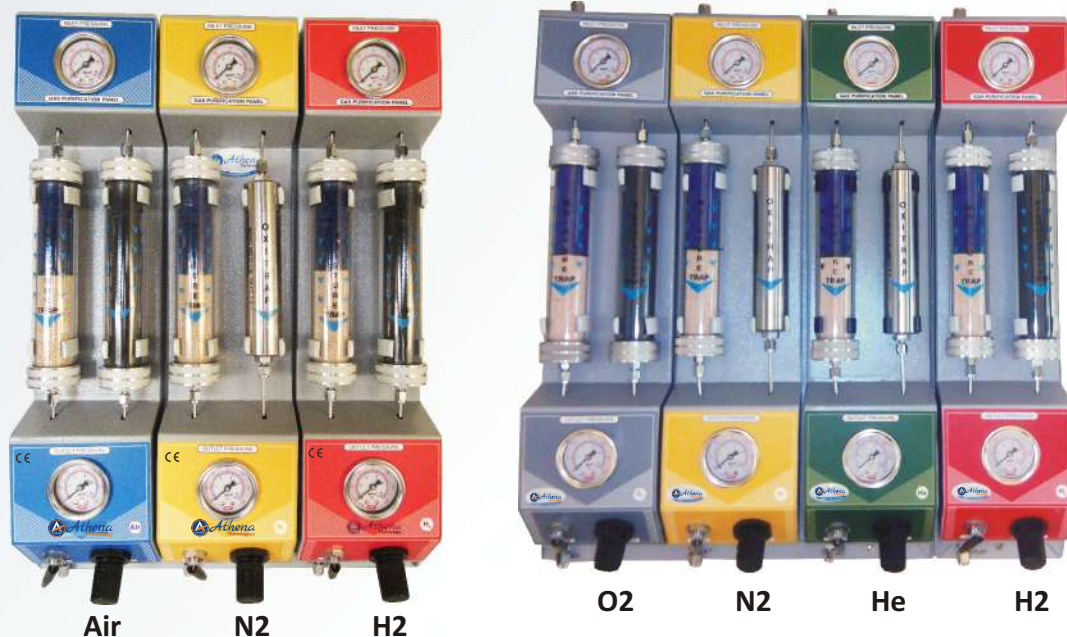




Gas Purification Panel for GC, AAS & ICP

Gas Purification & Control Panel



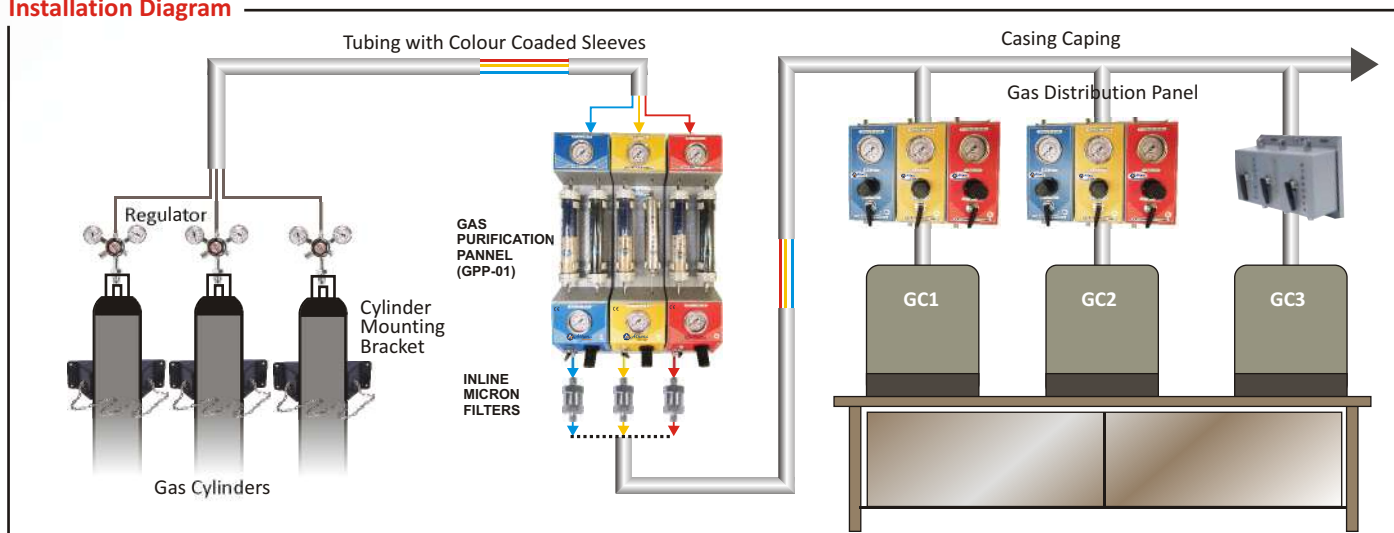
Salient Features & Benefits

- Deliver Ultra High Pure (UHP) Grade Gases
- Compact Design, Wall Mounted, Powder Coated * Filters are easily detachable
- Suitable for 10kg/cm² inlet pressure & 7 kg/cm² outlet pressure
- Panel for LC-MS-MS & other applications are also available
- Reduce baseline noise, drift problems, etc.
- Increase column life, GC detectors & reduces flame problems
- Improve reproducibility
- Save costly gases through toggle valves & gas distribution panel.

Technical Specifications of Gas Purification Panel for GC

Application	Filter Type	Max. Inlet Impurity Level	Max. Outlet Impurity Level	Length End to End	Capacity
Moisture Removal	Silica Gel / Molecular Sieve	20 ppm	< 3 ppm	10"	210 CC
Hydro Carbon Removal	Activated Charcoal / Carbon	10 ppm	< 2 ppm	10"	210 CC
Oxygen Removal	De-Oxo Chemical Catalyst	10 ppm	< 2 ppm	8"	125 CC
Particle Removal	Micron Filter	25 μ	< 0.5 μ	2"	-

Installation Diagram



Regulator Specifications

- Pressure Regulators Maximum inlet pressure 10 kg / cm²
Optional pressure range 0-7 kg/cm² with Neoprene Rubber Diaphragm/SS Diaphragm
- Size of Panel 420W x 600H x 87D in mm (Model GPP-01)
- Net weight 14 kg. (Model GPP-01)
- Toggle valve On / off type
- Pressure Gauges 0 - 10 kg / cm² Panel mounting
- Panel Body Powder coated wall mounted design with optional safety frame & fully S.S. body
- Tubing's S.S. / Copper / Nylon with colour coated sleeves

Gas Distribution Panel for GC, AAS & ICP



Gas Distribution Panel

- Gas distribution panel is used when there is more than one Gas Chromatograph.
- It helps to control the flow & pressure of different gases for different GC's.
- Available in three different types. One is with pressure gauge, pressure regulator, ON/OFF valve.
- Second with pressure gauge and ON/OFF valve. Third is with only ON/OFF valve.

Gas Selector Box

- Used for the selection between two gases of different types.
- Available in two different types one with selector valve, pressure gauge & toggle valve, another with only two toggle valve.



Two Stage
Cylinder Regulator



Single Stage
Cylinder Regulator



High Pressure
Piston Regulator



High Pressure
Line Regulator



AAS Accessories

- Cylinder Regulator- Acetylene/ N2O/ Argon
- Cylinder Regulator for the controlling of outlet pressure of cylinder for Acetylene & Nitrous oxide & Argon gas
- M. O. C. : Brass Chromplated Body or SS Body with SS Diaphragm
- Pre heater for Nitrous oxide gas



Gas Distribution Panel for GC, AAS & ICP



Manual Manifold System

- Two types of Cylinder Regulators available Brass Chrome Plated body with SS diaphragm and SS body with SS diaphragm.
- Regulator consist of inlet & outlet pressure gauges. Inlet pressure gauge shows the total pressure of cylinder and outlet pressure gauge shows regulated pressure.



Semi-Automatic Manifold System



Automatic Gas Changeover



ATHENA TECHNOLOGY

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