



Causes of Gas Cylinder Explosion

- Usually, the cylinder contains high gas pressure (8-10 bar). Therefore, a small leakage turns it into an explosion.
- Risk gets higher when the hose pipe goes beyond 3 (three) meters.
- Risk goes up if gas cylinder is placed in high-heated space eg. Kitchen.
- Lifting gas cylinders at higher altitudes naturally increases risk.

Therefore, using a reticulation system instead of having a gas cylinder in the kitchen can substantially reduce various risks eg. personnel injuries or deaths and property damages.

Our 24/7 After-Sales Services

We are always ready to provide any technical assistance to our valued clients. Our expert technical team is able to detect and solve any problem quickly and efficiently whenever arise. What is more, our service is available round the year, including public holidays.

Turbo Engineering Limited
Your Trusted Engineering Partner

Our Other Services

- Electrical sub-station design and installation.
- Electrical and fire-safety design and installation
- Visit our website www.turboengineeringltd.com to know more about our services.

we are
ISO 9001 : 2015
Certified Company



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Turbo Engineering Limited



L.P Gas Reticulated System

Modern and safe system of using gas without any hassle of connection in affordable price.

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What is L.P Gas Reticulation System?

Modern method of installing gas lines in buildings and infrastructure! In this system, LP Gas is reserved in cylinder banks or large tanks at the ground floor of residential, commercial, industrial or restaurant buildings. The gas is then supplied to the kitchen of each floor through pipeline. Separate meters are installed for each kitchen, through which the amount of gas consumption per month can be calculated. It is safer than conventional cylinder gas system.

Why L.P.G Reticulated System?

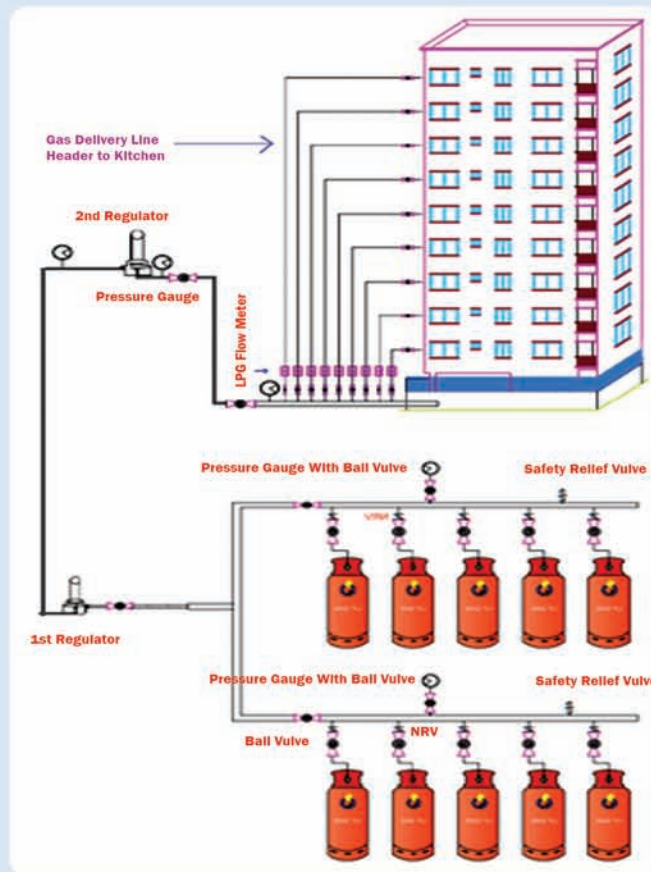
According to the govt. declaration, no further gas connection or load increase application will be sanctioned. The supply of piped gas is getting limited in all the new infrastructural set ups across the country. Research reveals, only 3 lakh consumers in Dhaka and Chattagram have prepaid gas meters; In contrast, 43 lakh consumers are dependent on Gas Companies. Due to the scarcity of natural gas, it has become difficult for the govt. gas companies to meet this huge demand. The populous cities like Dhaka and Chittagong are leaning toward setting LPG stations to get uninterrupted gas supply. Reticulated gas systems can be a viable and alternative solution to meet this growing demand.



Since the use of LP gas cylinders in kitchen is risky, the government has instructed to use LP gas through a reticulated system in accordance with the policy of the Directorate of Explosives, to ensure the safety of life and property of the people.

Where the System can be used?

- Hotels and Restaurants.
- Residential and Commercial Buildings.
- Factories and Industries.
- Auto-Gas stations.
- For multiple apartments or any specific area, central LP gas supply system is much suitable.
- This system can be used through CNG to LPG conversion technology to minimize the problem of gas shortage in places where natural gas is being used through pipelines, such as factories and CNG pump stations.
- Besides, the model is applicable where piped gas supply system is unavailable.



Benefits of using reticulated system

- With the use of suitable pipes and technically correct equipment, uninterrupted gas with suitable pressure will be supplied to each flat/apartment.
- There are two levels of safety- if the 1st level fails to control the gas pressure, the 2nd level regulator will use the **Slam Shut-off Valve** to bring the gas pressure down to zero and get the **Residual Gas** out via **SRV** (Safety Relief Valve) which ensures greater safety.



TWO STAGE PRESSURE REDUCING UNIT

- The cost is determined by the amount of gas consumption according to the gas meter. So, the system is: No Use, No Pay.
- Get rid of the hassle of keeping the gas cylinder in the kitchen and changing it periodically.
- Our reticulated system is safe and affordable. For example, the average monthly expenditure for a family would be 800-900 taka only.
- API 650, ASME 31.2, NFPA 58-2004 (LP Gas Code) will be followed in all proceedings.
- The design/drawing and installation of our reticulated system is approved by the Directorate of Explosives, People's Republic of Bangladesh, which is designed by Engr. Md. Rafiqul Islam.

