

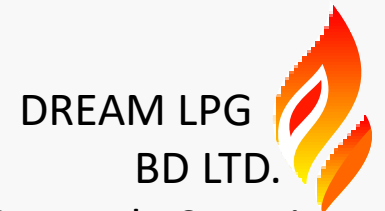
LP GAS RETICULATED SYSTEM OF DREAM LPG BD LTD.



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- What is Reticulated bank System?
- Why Gas bank System?
- Safety Features.
- Benefits of the system.
- Benefits & Quality Policy of
[Dream LPG BD LTD.](#)



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What is Reticulated Bank System

- LP Gas bank system is the most modernized LP gas supply & distribution system through a piped network to each and every Kitchen sections or to each and every heating sections of an Industry.



- This system supplies gas direct to the individual kitchen or sections from a centralized **cylinder gas bank** or **bulk tank** through pipeline network.
- LP Gas supplier will refill the bulk tank or replace the gas cylinder when required, under the service contract.



Cylinder Gas Bank



Bulk Tank



Why Reticulated Bank System

- No cylinder in the kitchen or near the heating section.
- The system is designed to supply LPG to the user through several pressure regulators at a safe low pressure, compared to conventional system where high pressure cylinder is located near the user which makes it a potential threat to human life and properties.
- Best use of the system is for household kitchens, commercial kitchens, restaurants, canteens & industries.



➤ Depending on the requirements of LP Gas, there are 02 (Two) types of arrangement:

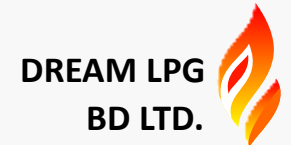
- i. **Cylinder Gas Bank.** ii. **Bulk Tank.**

❑ **Cylinder Gas Bank:**

- a. This arrangement is suitable for buildings, restaurant, industries where requirements is not high enough or space is at a premium.
- b. Cylinders are connected to the Manifold system in series, where LPG is withdrawn from the cylinder and is discharge to the system for usage.
- c. Liquide gas in the cylinder converts to vapor by a vaporizer and discharge through the valve to common delivery line.
- d. This arrangement is preferable where the gas consumption is 6 kg/hr. to 100 kg/hr.
- e. Based on gas consumption, Vapor Off Take (VOT) & Liquide Off Take (LOT) cylinder will be applied in system.

❑ **Bulk Tank:**

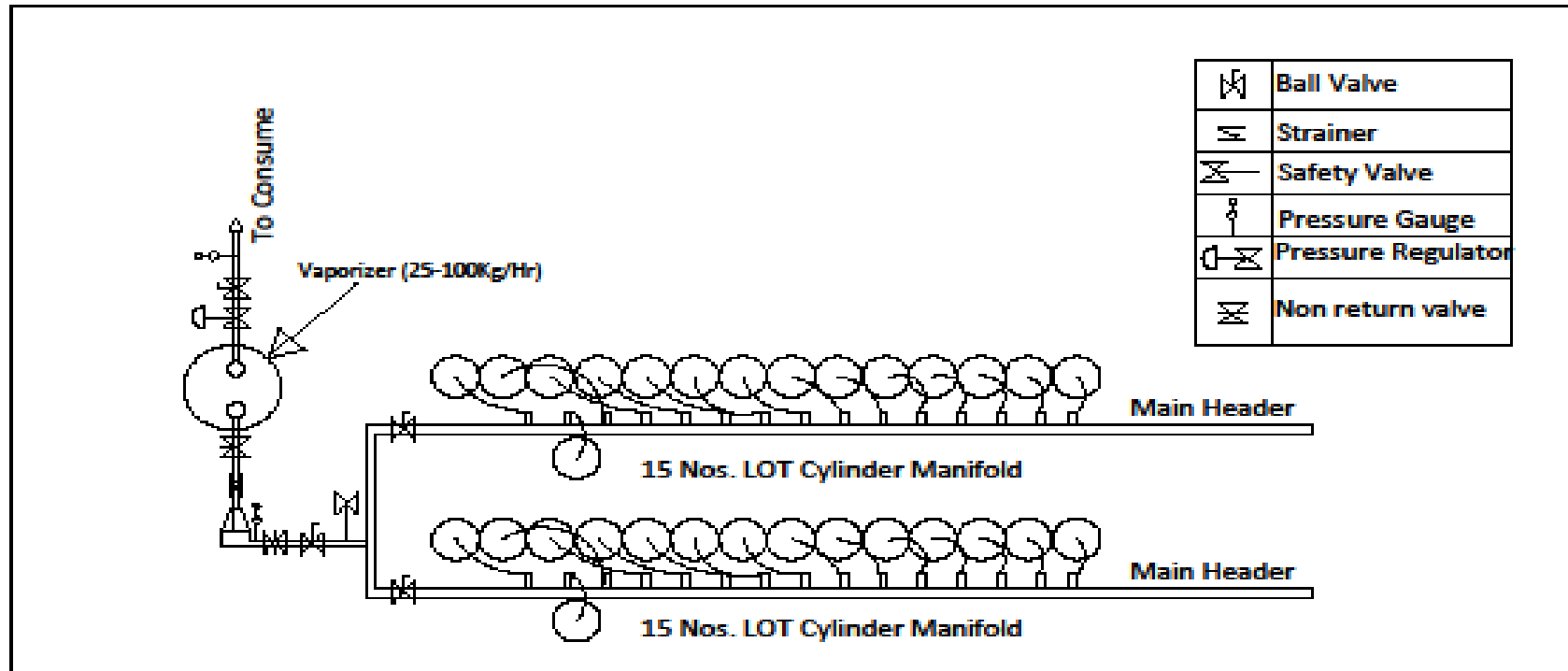
- a. This arrangement is preferable for industries, where requirements is high enough and also space is available.
- b. Instead of a bunch of cylinder, there will be a LP Gas tank located at a safe distance from building.
- c. Liquid LP Gas passes through a vaporizer, where it turns into gaseous form and enters into the main delivery line.
- d. This arrangement is preferable where gas consumption is more than 100 kg/hr.



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Cylinder Arrangements Based on Requirements

Peak Flow	Maximum Daily Consumption	Pressure	Cylinder Bank Size	Recommended Arrangement
0 - 6 kg/hr	48 kg	30 mbar	8 nos. cylinder	33 kg Cylinder + VOT Manifold + Pressure (1 st stage) regulator + Low pr. (2 nd stage) regulator
0- 10 kg/hr	80 kg	500 mbar	12 nos. cylinder	33 kg Cylinder + VOT Manifold + High Pr. (1 st stage) regulator + Low pr. (2 nd stage) regulator
1 - 12 kg/hr	96 Kg	0.5 - 1 bar	15 nos. cylinder	33 kg Cylinder + VOT Manifold + Regulator (IP: 1-19 kg/cm ² ; OP: 0.5-10 kg/cm ²)
13-100 kg/hr	800 Kg	0.5 - 1 bar	15-60 nos. cylinder	33 kg Cylinder + LOT cylinder manifold + Vaporizer (capacity: 25-200 kg/hr) + Regulator (IP: 1-19 kg/cm ² ; OP: 0.5-10 kg/cm ²)
more than 100 kg/hr		0.5 - 1 bar		Storage Tank + Vaporizer and other arrangements



02 Arms X 15 Cylinder Liquid off take (LOT) Gas Bank System for industry

❑ Bulk Tank:

- a. This arrangement is preferable for industries, where requirements is high enough and also space is available.
- b. Instead of a bunch of cylinder, there will be a LP Gas tank located at a safe distance from building.
- c. Liquide LP Gas passes through a vaporizer, where it turns into gaseous form and enters into the main delivery line.
- d. This arrangement is preferable where gas consumption is more than 100 kg/hr.



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CLIENT NAME : HANNA CHS LG (LPG SHS)
ADDRESS : BODARBAN, SHRAJ,
MOWLA, BAGERHAZ,
BANGLADESH
STORAGE SIZE : 1 ML. X10 KL LPG UNDER GROUND
STORAGE SYSTEM
CONTRACTOR : CHANDRA ENG & MCH. PVT LTD.
LICENSE NO / DATE :
DATE :
VALID UPTO :
NEXT SRV TEST DUE :
NEXT HYDRAULIC TEST DUE :
SYSTEM OWNER
MOBILE NO.
EMERGENCY RESPONSE
TEAM HEAD
MOBILE NO.

EMERGENCY
IN CASE OF EMERGENCY, CONTACT
THE FOLLOWING PERSONS:
NAME AND CONTACT NO.
NAME AND CONTACT NO.
NAME AND CONTACT NO.
NAME AND CONTACT NO.
NAME AND CONTACT NO.
NAME AND CONTACT NO.

Safety Features

- The system consist of several pressure regulatory valves to ensure the required low pressure.
- Central cylinder bank room.
- Non Return Valve for cylinder to avoid back flow.
- Main line emergency valve to cut off LPG supply to entire complex.
- Emergency valve inside the kitchen to cut-off the supply in the kitchen.
- Special LPG Stainless Steel Pipe use for underground line with long life & safety.
- Fencing of areas to restrict unauthorized entry.

Benefits of the system

Safe and uninterrupted gas supply.

Pay only for the quantity consumed just as Electricity.

Saving of Kitchen space.

Eliminates the risk of fire hazard caused by leakage due to improper fitting of gas regulator after removing the seal cap or leakage of (unchecked / expired) LPG cylinders.

Periodic inspection by the system provider.

Periodic maintenance (AMC) by the system provider.

Training of customers.

24 hours emergency service.



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Benefits & Quality Policy of Dream LP Gas

- Proper mixing of 50% Propane & 50% Butane ensures 700 Kj/kg more Calorific Value, resulting more heat energy compared to conventional LP Gas with 30% Propane & 70% Butane.
- High percentage of Propane ensures 17% high gas pressure and last longer.
- Exclusive Channel Partner & Distributor.
- Safe & Modern technology.
- Technical assistance when & where required.



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THANK YOU