

Know Your LPG Propane/Butane

What is LPG?

Derived from oil, LPG stands for Liquidified Petroleum Gas. Highly flammable gas with a flammability range between 2-10% in air. 1.5 times heavier than air & will gather at low levels. Given a distinctive fish-like odour to help indicate leaks.

	Propane	Butane
Stored in cylinder at	7 Bar	2 Bar
Freezes at	-42°C	-3°C
Regulator	BS EN 3016	or BS EN 12864
Hose:		
Colour	Orange	Black
Standard	BS 3212-2	BS 3212 -1
Max Working Pressure	17.5 bar	50 mbar
Connections	Left hand thread	Left hand thread

Frosting On Cylinder

An Indication that liquid is being drawn off too fast or the liquid in the cylinder is low.

Pressure Relief Valve

Safety feature which is triggered if the external cylinder walls are overheating.

Hazards

Highly flammable:
check for leaks
Carbon monoxide poisoning:
use in well ventilated areas
Cold burns:
wear PPE
Asphyxiation:
leaking gas will gather at low levels & displace oxygen

Recommended Personal Protective Equipment

Always wear the appropriate PPE for the job in hand:
Flame retardant overalls
Safety goggles
Safety gloves
Safety shoes/boots



The Law?

Any employee coming into contact with a potentially dangerous substance SHALL be trained in its safe operation & behaviour. You do not need to be Gas Safe Registered to operate LPG equipment, only if you are installing, maintaining or repairing domestic/natural LPG.

Transport & Storage

Maximum load before full ADR is required is 333 kg. Open back vehicles are recommended for transport. Never store cylinders in vehicles overnight. Stored cylinders should be 3 metres away from all ignition sources. Stores need to be correctly labelled. Dry-powder fire extinguishers must be available.



Emergency Actions

Personel using/transporting LPG should carry with them an 'Information in writing' document. 200 metres is the official minimum evacuation distance from a cylinder incident. Always have your supplier details to hand.