



YOUR SAFETY IS
OUR NO.1 PRIORITY

The new
generation
of 100%
explosion proof
LPG Composite
Cylinders

ABOUT US

The company that ensures safety



Time Technoplast Ltd. (Time Tech) - the multinational conglomerate is one of the leading manufacturers of polymer products. Since its inception in 1992, Time Tech has set itself apart from its competition by focusing on research and development, futuristic product designing and superior customer service. With more than 40 well-equipped production facilities set up across the globe, Time Technoplast has established itself as a world-renowned innovative polymer product company.

The company's portfolio consists of technically driven innovative products catering to growing industry segments like, Industrial Packaging Solutions, Lifestyle Products, Automotive Components, Healthcare Products, Infrastructure/Construction related products, Material Handling Solutions and Composite Cylinders.

Through its state-of-the-art production facility Time Tech offers world-class technologically advanced composite cylinders 'LiteSafe'.

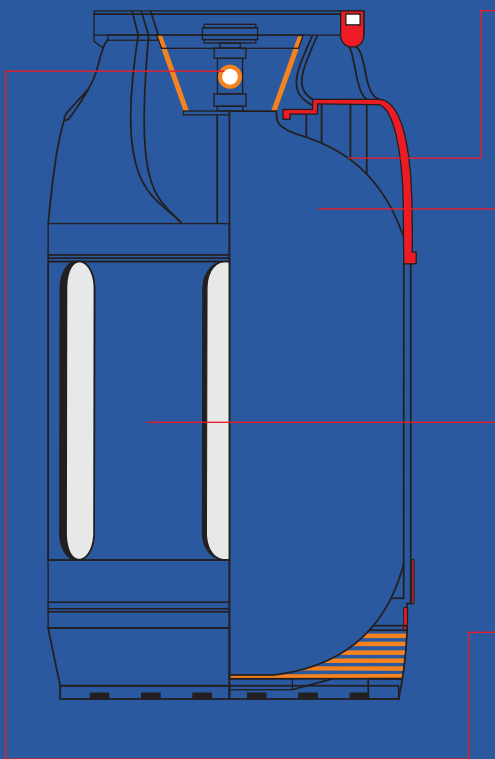


LiteSafe Cylinders are superior alternatives to traditionally used metal cylinders. These cylinders are extremely lightweight, attractive in colour and shape, rust and corrosion proof, UV resistant and most importantly are 100% explosion proof. LiteSafe Cylinders are the first of its kind to be manufactured in the Asian continent.

SPECIFICATIONS

The technology that ensures safety

Here are the specifications that make LiteSafe, a safer LPG Cylinder option:



Fibre Glass Composite Layer

Composite material of fibre helically woven & combined with resin provides unmatched combination of high tensile strength, lightweight and UV resistance.



Gas Tight Inliner

Inner container is made of polyethylene (PE) and is treated with special resins & chemicals to provide excellent anti-permeation property.



Outer Casing

Heavy-duty PE casing to suit rough handling and logistics. Attractive design to provide space for branding unlike metal cylinders. Customised colour combination can be chosen to suit client's need.



Universal Boss

Universal Boss is made of steel, so it is insulated against wear & tear on any number of screwing/unscrewing operations of brass valve. New 'O' ring material suited for - 65°C and +200°C. Time proven universal taper profile threads suitable for most valve types.



FEATURES

The features that make LiteSafe unique

LiteSafe is a new generation of Composite Cylinders for filling LPG and has gained huge interest and appreciation across the globe due to its various striking features.



Explosion Proof:

When it comes to LPG cylinders, safety is of paramount importance. LiteSafe Cylinders are tried & tested and every cylinder has proven to be 100% explosion proof and safe even when engulfed in fire.

Light & Efficient:

LiteSafe Cylinders are user-friendly due to its structural design and lightweight. These Cylinders are almost half the weight of metal cylinders and come with specially designed handle rings that provide a firm grip.



Translucent Body:

The LiteSafe Cylinders come with a translucent body that enables you to accurately check the LPG level against light.

High-Tech:

LiteSafe LPG Cylinders come with an optional new age RFID technology for real time tracking of cylinders.



FEATURES



Non-Corrosive:

The LiteSafe Cylinders do not corrode or rest unlike its metal equivalents and therefore there are less chances of leaving stains and marks.



Aesthetically Appealing:

The LiteSafe Cylinders can be customised as per your preferences and requirements. You can choose the colour, ensure branding, etc. The Cylinders also come in various sizes so you can pick the right one that fits your purpose.



UV Protected:

The outer & inner casing and the glass filament winded bottle is made by adding UV protective additives so as to withstand adverse weather conditions and prevent degradation.



Made with Recyclable Materials:

LiteSafe Cylinders are 100% eco-friendly as the composite glass fibre bottles can be crushed and added to the concrete used for building overhang bridges, constructions, etc.



Reduced Maintenance:

The high quality heavy-duty casing around the LiteSafe Cylinders is incredibly strong and durable thus making it low maintenance and cost-effective.

A world of difference

Here's a comparison between the age-old metal cylinder technology and the new technology of Composite LPG Cylinders.



Steel LPG Cylinders

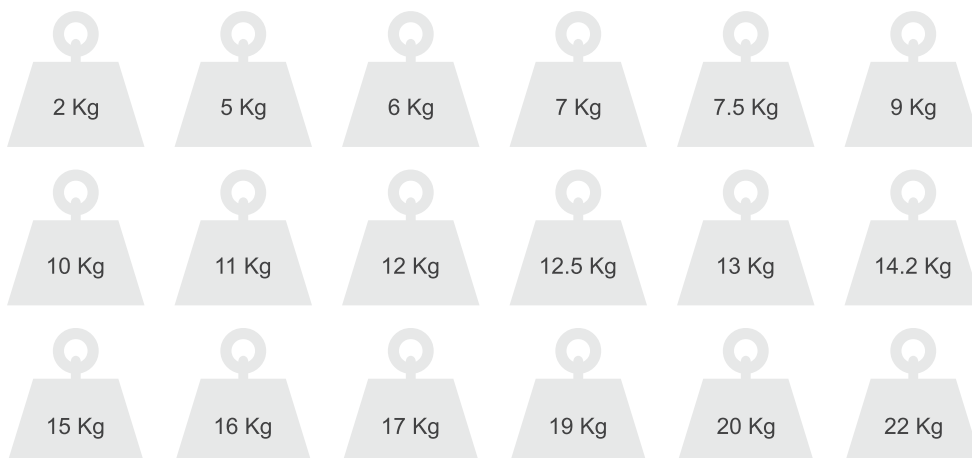
- Explosion risk
- Unable to check the level of gas
- Heavy in weight
- Corrosive
- Aesthetically unappealing
- High logistic and maintenance cost
- No universal valve connection
- Age-old technology
- Easily damaged



Composite LPG Cylinders

- 100% explosion proof
- Visual control of gas level
- Lightweight
- Non-corrosive
- Attractive casing and shape
- Low maintenance cost
- Universal valve connection
- Advanced technology
- Heavy duty durable casing

World's largest range of composite cylinders



* KG denotes nett LPG filling

APPLICATIONS



One cylinder, numerous applications

LiteSafe LPG Composite Cylinders are a clever choice for users as it is the safest LPG cylinder. Its applications are diverse and can be used for household, industrial and lifestyle purposes.



Industrial



BBQ



Forklift



Trawlers



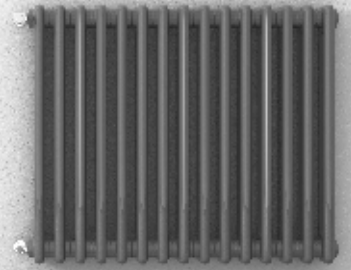
Caravans/Camping



Street Cooking



Room Heaters



Quality testing & certifications

LiteSafe Cylinders comply with all the globally recognised accreditations and standards.

The most significant ones being:

• ISO 9001 • ISO 11119-3 • EN 14427 • EN 12245

The stringent tests that LifeSafe Cylinders endure are:

- Hydraulic proof pressure test
- Hydraulic volumetric expansion test
- Cylinder burst test
- Ambient cycle test
- Vacuum test
- Environmental cycle tests
- High temperature creep test
- Flaw test
- Drop test
- High velocity impact (Gunfire) test
- Fire resistance test
- Permeability test
- Torque test on cylinder neck boss
- Leak test
- Pneumatic cycle test

Approvals and Certifications



PESO, India



TÜV Rheinland,
Germany



Korea Gas Safety Corporation



ESMA, UAE



علامة الجودة الإماراتية
Emirates Quality Mark

... and many more

Technical Information

Model	Water Cap. (Vol) Litre	Empty Cylinder Wt (W/o Valve)	Ht (MM)	Dia (MM)
LS 5L	5	2.6 Kg	347	230
LS 12L (T)	12	3.9 Kg	558	230
LS 12L (S)	12	4.7 Kg	402	302
LS 14L	14.5	5.2 Kg	443	302
LS 18L	18	5.6 Kg	492	302
LS 24L	24	6.4 Kg	603	306
LS 29L	29	7.4 Kg	680	302
LS 35L	35	8.8 Kg	700	342
LS 40L	40	9.8 Kg	760	342
LS 47L	47	11.0 Kg	850	342





TIME TECHNOPLAST LTD.
Leading through Innovations and Technology

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