

# Requirement on Gas Installations in Food Premises

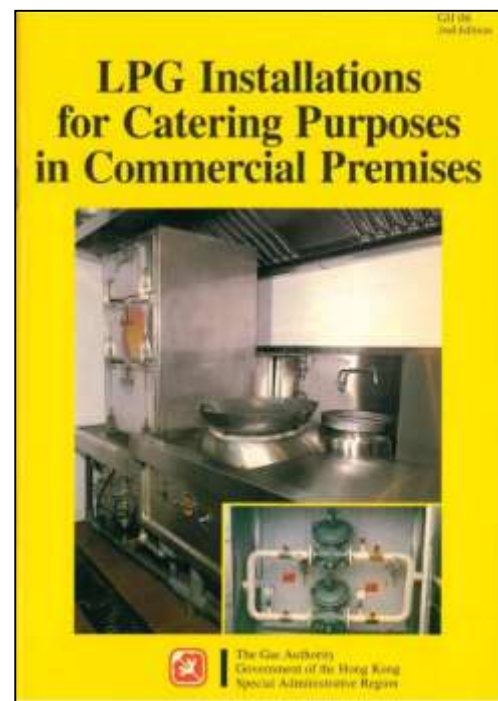
# Duties of Gas Standards Office, EMSD

- Gas Standards Office of EMSD is responsible for the administration of the Gas Safety Ordinance (Chapter 51).
- The Ordinance is to control, in the interests of safety, the importation, manufacture, storage, transport, supply and use of gas, and to provide for matters incidental thereto or connected therewith.
- Controlled gas includes liquefied petroleum gas (LPG), town gas and natural gas.



# Code of Practice

- Gas installations shall comply with the requirements of the gas safety ordinance, its subsidiary legislation, codes of practice and gas supply companies' technical requirements.
- In general, gas installations in food premises shall comply with the below codes of practice:
  - LPG
    - ✓ **GU06** – *LPG Installations for Catering Purposes in Commercial Premises*
  - Towngas
    - ✓ **GU21** - *Requirements for Town Gas Installations for Catering Purposes in Restaurants and Food Preparation Establishments*





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# REGISTERED GAS CONTRACTORS

# Employing Registered Gas Contractors

- Pursuant to Gas Safety Ordinance (Cap. 51), a registered gas installer employed by a registered gas contractor with appropriate class may personally carry out gas installation work.
- List of Registered Gas Contractors is available in EMSD website



**Gas Installer  
Registration Card (Old  
Version)**



**Gas Installer  
Registration Card (New  
Version)**

# Registered Gas Contractors – Gas Installation in Commercial Kitchen

List of registered gas contractor with specialty in commercial kitchen are also available in EMSD's website [www.emsd.gov.hk](http://www.emsd.gov.hk).

- **Contractor List 1** - Towngas (Gas Installation Work In Commercial Kitchens)
- **Contractor List 2** - LPG (Gas Installation Work In Commercial Kitchens)
- **Contractor List 3** (Dim Sum Trolley Supply And/Or Service)



# Submission of Certificate of Compliance and Certificate of Completion

- Applicant shall timely submit "Certificate of Compliance" and "Certificate of Completion" to substantiate that the gas installations complied with all regulations and code of practices.

食物環境衛生署  
有關使用氣體燃料（煤氣／石油氣）的食肆及工場牌照

**符合規定證明書**  
(新裝置或原有裝置改良)

茲證明，有關下列申請：

(a) 申請「普通商業牌照」／「小食店牌照」／「酒牌食肆牌照」／「食肆製造業牌照」／「批發零售業牌照」／「餐館牌照」／「食肆牌照」，或

(b) 申請在現有已獲牌照的「普通商業」／「小食店」／「酒牌食肆」／「食肆製造業」／「批發零售業」／「餐館」／「食肆」內對現有裝置進行改良

(a) 安裝在 \_\_\_\_\_

(b) 安裝在 \_\_\_\_\_

(申請地點)

進行所有有關的「裝置」／投入運作工程，可按照下列條例和守則的規定動工：

(i) 氣體安全（氣體供應）規例（第 51 章）

(ii) 氣體安全（裝置及使用）規例（第 51 章）

(iii)\* 適用於煤氣：適用於香港中華煤氣有限公司－客戶服務工作守則、「用戶安裝」(SHCOSEPCO) 及「非住宅式氣體用戶裝置」(HOCSEPCO)

(iv)\* 適用於石油氣：商業樓宇內作供應飲水用途之石油氣裝置規例（供體用戶守則之六）

\* 非住宅式：石油氣裝置  
\* 住宅式：石油氣裝置

公司名稱：\_\_\_\_\_

公司印章及簽署：\_\_\_\_\_ 註冊氣體工程  
承辦商號碼：\_\_\_\_\_

電話：\_\_\_\_\_ 日期：\_\_\_\_\_

\* 備註：不適者  
\* 在通例的規定上+號

Certificate of Compliance – Completed by registered gas contractors before work

食物環境衛生署  
有關使用氣體燃料（煤氣／石油氣）的食肆及工場牌照

**完工證明書**  
(新裝置或原有裝置改良)

茲證明：

(a) 關於在 \_\_\_\_\_

(b) 關於在 \_\_\_\_\_

(c) 關於在 \_\_\_\_\_

(d) 關於在 \_\_\_\_\_

(e) 關於在 \_\_\_\_\_

(f) 關於在 \_\_\_\_\_

(g) 關於在 \_\_\_\_\_

(h) 關於在 \_\_\_\_\_

(i) 關於在 \_\_\_\_\_

(j) 關於在 \_\_\_\_\_

(k) 關於在 \_\_\_\_\_

(l) 關於在 \_\_\_\_\_

(m) 關於在 \_\_\_\_\_

(n) 關於在 \_\_\_\_\_

(o) 關於在 \_\_\_\_\_

(p) 關於在 \_\_\_\_\_

(q) 關於在 \_\_\_\_\_

(r) 關於在 \_\_\_\_\_

(s) 關於在 \_\_\_\_\_

(t) 關於在 \_\_\_\_\_

(u) 關於在 \_\_\_\_\_

(v) 關於在 \_\_\_\_\_

(w) 關於在 \_\_\_\_\_

(x) 關於在 \_\_\_\_\_

(y) 關於在 \_\_\_\_\_

(z) 關於在 \_\_\_\_\_

公司名稱：\_\_\_\_\_

公司印章及簽署：\_\_\_\_\_ 註冊氣體工程  
承辦商號碼：\_\_\_\_\_

電話：\_\_\_\_\_ 日期：\_\_\_\_\_

\* 備註：不適者  
\* 在通例的規定上+號

Certificate of Completion – Completed by registered gas contractors after work completion





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# TYPE OF GAS SUPPLY



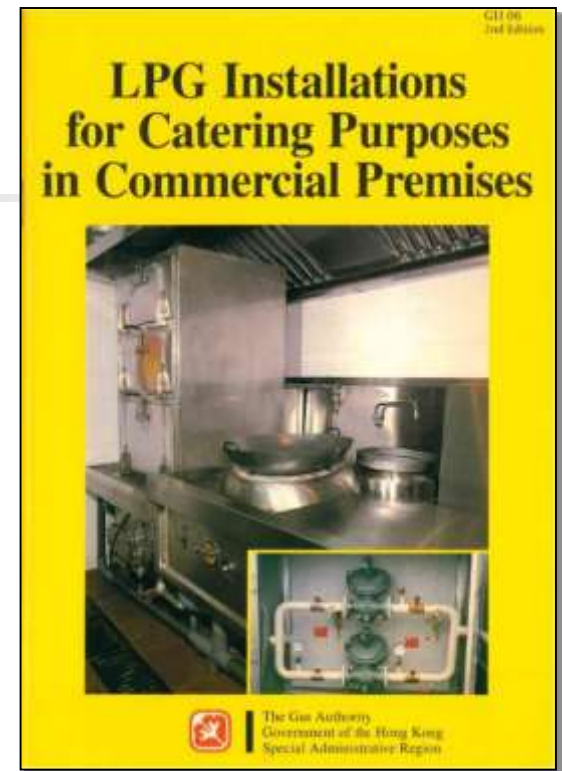
# Type of Gas Supply

- Piped Gas Supply: Towngas / Piped LPG



# Type of Gas Supply

- Non-piped gas supply: LPG Cylinders
  - Pursuant to GU06, LPG Cylinders should not be installed in commercial premises **unless** a piped LPG, or towngas, supply is unavailable. All LPG Cylinders shall be stored in LPG Cylinder Storage Chamber.
  - LPG shall not be supplied to **basement** kitchen or seating areas **below ground level**.





# ADDITIONAL REQUIREMENT FOR USING LPG CYLINDERS

# Storage of LPG Cylinders

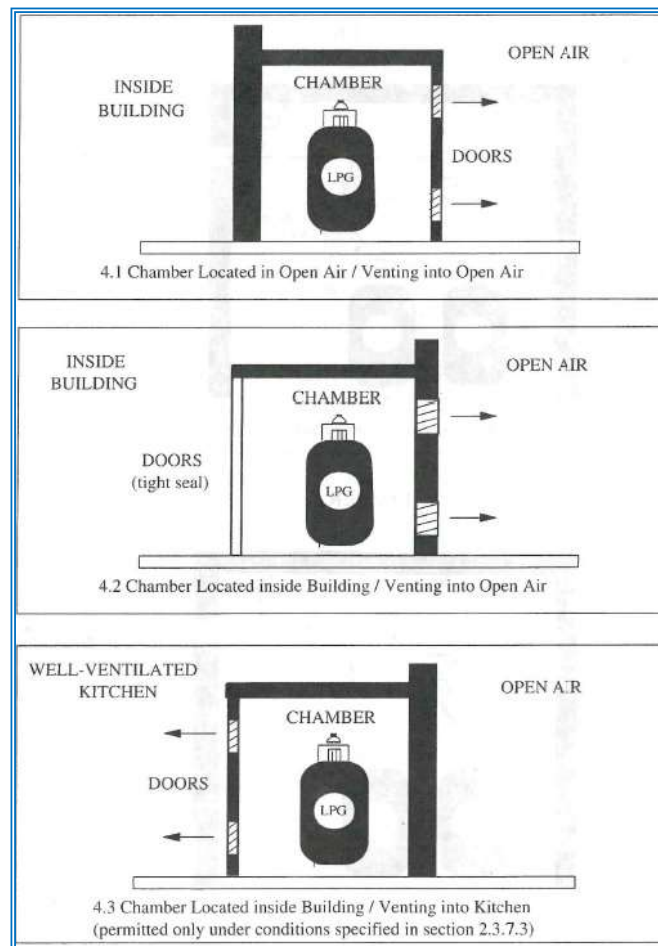
- LPG shall be stored in **a purposely designed chamber**. The chamber should be in open air, but shall not impede the means of escape from a premises.
- Unless approved by the Gas Authority, storing LPG Cylinders (**including empty cylinders**) with a total nominal water capacity over **130 litres** is prohibited.
- LPG Cylinders shall be returned to LPG distributor after use, and shall not be placed at public places.



# Ventilation of LPG Cylinder Chamber



- Adequate ventilation openings shall be provided.





# LPG Pressure Regulator

- LPG pressure regulator shall match with the corresponding LPG Cylinder.
- LPG pressure regulator shall be **replaced before its expiry date.**



# Make Use of the Services provided by the Approved LPG Distributors

氣體燃料安全常識知多一點點  
KNOW MORE ABOUT GAS SAFETY

**使用獲批准石油氣分銷商提供的服務**  
Make Use of the Services provided by the Approved LPG Distributors

既合乎安全 又得到保障  
for Safety Provision & Service Assurance

售賣瓶裝石油氣及售後服務  
Selling Cylinder LPG & After-sale Services



**ABC 公司**  
Co.

發票 INVOICE 註冊氣體承辦商號碼 REG. NUMBER 888-03

項目 Items	\$

Approved distributor may be identified by:

- (1) the certificate issued by the respective registered gas supply company displayed in the shop; and
- (2) the registered gas contractor number shown on the invoice.

Apart from selling cylinder LPG, the distributors are obliged to conduct regular checks of cylinder LPG installation for their customers, employ registered gas installer(s) and provide necessary training to their staff. In addition, they may give advice and support relating to gas work to their customers and handle alleged gas leakage incidents.

## 瓶裝石油氣分銷商安全表現評級計劃

**LPG Cylinder Distributor Safety Performance Recognition Scheme**



選用**金級**瓶裝石油氣分銷商  
為你提供**更安全、更全面**的服務！  
Choose LPG cylinder distributors with a **Gold** rating for **safer and more comprehensive** services!

瓶裝石油氣分銷商的安全表現分為「**金級**」、「**銀級**」及「**銅級**」，方便市民在選擇服務時作參考。

The safety performance of LPG cylinder distributors is classified into "**Gold**", "**Silver**" and "**Bronze**" for public reference when choosing service providers.





# Approved LPG Distributors

- Employ registered gas installer(s).
- Provide advice and support to gas installations for their customers.
- Conduct regular safety inspection of gas installation for their customers.





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# OTHER REQUIREMENTS

# Mechanical Exhaust System for Gas Appliances

- If the flue pipe of gas appliance is connected to mechanical exhaust system, interlock and indication lamp shall be installed according to GU12 (Installation of Mechanical Exhaust System for Gas Appliances).



氣體用具機動排氣系統的裝置規定  
(熱負荷在 70 千瓦以內者)

INSTALLATION OF MECHANICAL  
EXHAUST SYSTEM FOR GAS APPLIANCES  
( RATED HEAT INPUT UP TO 70 kW )

工作守則：氣體應用指南之十二  
CODE OF PRACTICE GU 12



# Flexible Tubing for Low Pressure Applications

- Use low pressure flexible tubing approved by the Gas Authority. "Approval Mark" shall be displayed on flexible tubing.
- Flexible tubing shall be **replaced before its expiry date**.
- Medium/High pressure flexible tubing should be certified to recognized international standards.



## Approval Marking :

機電工程署批准	GTxxxx
EMSD APPROVAL	GTxxxx
期限	MM/YYYY
EXPIRY	MM/YYYY

xxxx – approval number

MM/YYYY - Month/Year

EMSD APPROVAL 機電工程署批准 GTxxxx EXPIRY 期限 MM/YYYY

# Domestic Gas Appliances

- Domestic gas appliances (including cassette cooker) used in food premises shall bear "GU Mark" approved by the Gas Authority.



購買已批准及附有  
標記的住宅式  
氣體用具

Purchase the Approved  
Domestic Gas Appliances  
Bearing a GU Mark

認住呢個「嘜」！

GU  
氣體



# Portable Cassette Cooker

- DO NOT use two portable cassette cookers in parallel.
- DO NOT ignite the gas appliance by external device.
- DO NOT use oversized plates, pans which extend over the cartridge cover.

手提卡式石油氣爐  
安全使用知多啲



氣體安全  
火鍋篇廣告



切勿平行使用



切勿使用  
外置器具燃點爐具



切勿使用  
過大的煮食器皿

**GU** 安心啲 安全啲  
認住 GU 標誌

機電工程署  
EMSD



# Disposable LPG Cylinders

- Only approved models of Disposable LPG Cylinders shall be used.

已獲機電工程署批准  
Approved by EMSD





# Regular Safety Inspection

- Commercial gas installation users should arrange regular safety inspection once every 12 months.
- Copy of inspection record should be kept by users.





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# SUMMARY



# Summary -1

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- Find out whether piped gas supply is available in your premises.
- LPG Cylinders should only be if piped LPG, or town gas, supply is unavailable. LPG Cylinders shall be stored in LPG Cylinder Chamber.
- LPG shall NOT be supplied to basement kitchen or seating areas below ground level.
- Pay attention to the gas consumption of your appliances.
- Unless approved by the Gas Authority, storing LPG Cylinders (including empty cylinders) with a total nominal water capacity over 130 litres is prohibited.



## Summary - 2

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- A registered gas installer employed by a registered gas contractor with appropriate class may personally carry out gas installation work.
- Obtain services from approval LPG Cylinder Distributor.
- Arrange regular safety inspection of gas installations once every 12 months and keep the inspection records.
- For food premises where natural ventilation is not sufficient, mechanical ventilation with interlock control shall be employed to ensure that the mechanical ventilation system is always in operation when gas appliances are in use.

# Inspection of Gas Installations



- Inspection of gas installations by Gas Safety Inspector

**For any enquiry, please contact 1823 or  
visit EMSD's website [www.emsd.gov.hk](http://www.emsd.gov.hk)  
to obtain further information.**





# Thank You

