



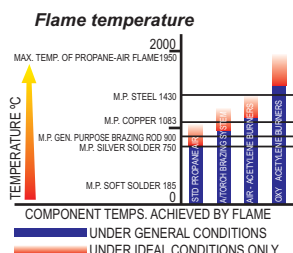
Bullfinch

PUTTING LPG TO WORK

EXTRA

PRODUCT BROCHURE

Safety Precautions



Personnel

Never allow anyone other than a competent person to connect or disconnect appliances and regulators.

Appliances

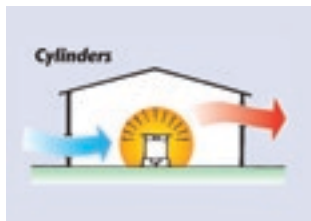
Read the instructions provided with the appliance, taking particular care to ensure that the gas type is correct and the supply can provide sufficient gas for the appliance and any other appliances drawing on the same supply. Ensure that the regulator provides gas at the correct pressure. Site the appliance so that it cannot overheat any surfaces and cannot cause an accident.

The appliance should burn cleanly without the formation of soot. If it does not, turn it off and ensure that maintenance is carried out by a competent person before re-using.

Ventilation requirements

All LPG equipment consumes oxygen and emits carbon dioxide and water vapour in use so that when using unflued equipment in a confined space it is important that there is ADEQUATE PERMANENT VENTILATION & ADEQUATE FREE SPACE surrounding it. These requirements are laid down in various British Standard Codes of Practice and a summary of the main requirements is given below.

Cylinders



Make sure the cylinder is large enough for your requirements. Cylinders must be sited away from any heat source, in a well ventilated place whenever possible and must stand in a stable upright position.

Never put a cylinder in a sewer, culvert or work hole.

Regulators



Where required, Bullfinch appliances should only be used in conjunction with a British/European Standard regulator. It is important to check that the regulator;

- gives the correct pressure for the appliance,
- is suitable for the gas being used (check also that the gas is suitable for the appliance),
- has a large enough maximum flow for the appliance.

For cylinders having screwed connectors:

Always, before connecting a regulator to a cylinder, ensure that the mating parts are clean, free from dirt and undamaged, and, in the case of butane regulators, check that the washer is in place on the spigot of the connector and is in good condition. The connecting nut of the regulator must be spanner tightened to the cylinder valve.

(Note: The thread is left-handed.)



For cylinders with 'switch-on' or 'clip-on' connectors: Consult your dealer on the type of adaptor or regulator you require and fit in accordance with the manufacturer's instructions.

Screwed connections

Most screwed connections should be firmly tightened with a spanner. Note that all nuts with notches on the hexagon have a left handed thread.

Hose and clips



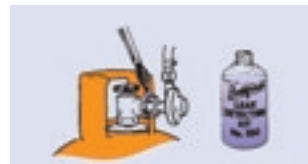
British Standard hose only must be used for passing these gases and it must be securely attached with hose clips to the ends provided. Low pressure hose, (which must show the number BS.3212/1) must only be used for pressures up to 50 mbar.

High pressure hose (which must show the number BS.3212/2) can be used for all pressures up to 17.5 bar.

Hose and clips should be regularly inspected and replaced if worn or damaged.

Leaks

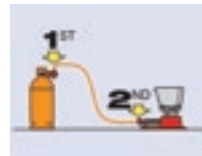
After connecting appliances/regulators, etc, check that there is no leak of gas before using. Propane and butane have a distinctive smell and a leak can usually be detected immediately by this fact. If a leak is suspected, extinguish all naked lights and close the cylinder valve. NEVER look for a leak with a naked flame, but trace it by smell and confirm by brushing leak detecting fluid (or soapy water) over the suspected joint. Equipment must not be used until any leak is eliminated.



Turning off

After using a portable appliance it is IMPORTANT

- that the cylinder valve is closed first thus allowing the gas in the system to burn off:



- that any valve fitted to the appliance is then closed to ensure

that when the appliance is again used the turning on of the cylinder valve does not allow gas to escape from the appliance before being ignited.

Fire

If a fire develops, try to turn off the cylinder valve, remove the cylinder from the fire and extinguish the fire with a dry compound extinguisher. (Do not use a water jet on a fire of liquid LPG.) If this is too dangerous call the fire brigade and move all people from the area.



Problems

If you are in any doubt about the operation of the appliance please consult your dealer, or our sales office.

Safety Precautions

Bullfinch appliances and equipment have all been especially designed for use with Liquefied Petroleum Gases (propane and butane) and will give long and reliable service to the user, provided they are correctly operated and maintained. It is, however, essential that sensible safety precautions be followed with any appliances using butane and propane gases, which are considerably heavier than air and highly inflammable. Because of these facts, we list here simple safety measures, which should always be adopted when using the appliances. Failure to observe these could result in a serious accident.

Ventilation

For the use of unflued appliances in a confined space, these are general requirements for non domestic environments. Those for living areas and specific appliances may vary from these – see appliance instructions.

Main Requirements

- The volume of the room space in which an appliance is used must be at least 10m³ for each 1kW of continuous heat input, with a minimum room size of 15m³. This is in addition to the volume required for other appliances.
- Permanent ventilation must be provided by at least 25cm² of free ventilation area for each kW of continuous heat input. This is in addition to that required for other appliances and the occupants. There must be a minimum of 50cm² of free ventilation area. The ventilation area must be divided between high and low level and the ventilators must be constructed so that they cannot be closed. If the space is to be used for sleeping, the appliances must be turned off before retiring.

This information is available as a separate safety information leaflet, please call our sales office on 0121 765 2000 for free copies.

EXTRA

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PUTTING LPG TO WORK

Gas catering urn



7015 Gas catering urn

stainless steel construction
20 litre boiling capacity (approx 120 cups)
boiling time approx 50 mins
operating pressure 37 mbar propane / 28 mbar butane
3.5kW per hr
weight 7.5 kg

Bitumen boilers and burners



7047 5 gallon boiler single skinned

7048 10 gallon boiler single skinned

7049 15 gallon boiler single skinned

7050 25 gallon boiler single skinned

7055 small bitumen burner

5-7 gallon capacity

7056 medium bitumen burner

10-25 gallon capacity

7057 large bitumen burner

40-60 gallon capacity



For each of these burners we suggest you need:

Regulator for propane No 1465

Hose connector No 1022

Armoured hose No 1316

Hose clips No 1306

*To order or for more information contact us on
0845 1209639 or visit us at www.bullfinch-gas.co.uk*



Enamel cooking stove range



Part No	Description	Height	Width	Depth	Power	Weight
7410	1 burner	110mm	265mm	265mm	2.0kW	1.8kg
7411	1 burner FFD	125mm	265mm	265mm	2.0kW	1.8kg
7420	2 burner	110mm	495mm	265mm	3.4kW	3.1kg
7421	2 burner FFD	125mm	495mm	265mm	3.4kW	3.1kg
7430	3 burner	110mm	600mm	295mm	4.4kW	4.2kg
7431	3 burner FFD	125mm	600mm	295mm	4.4kW	4.2kg
7440	4 burner	110mm	502mm	502mm	5.8kW	6.0kg
7441	4 burner FFD	125mm	502mm	502mm	5.8kW	6.0kg

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Poacher cooker and cast iron stoves



7003 Two burner hotplate with grill

Camping gas stove with stainless steel base, brass burner caps, chromium plated grate, aluminized tray with steel chromium pan support. operating pressure 37 mbar
5kW



Gas stove with 10mm chrome plated frame

operating pressure 37 mbar
8.8 kW
suitable for butane or propane at low pressure



7010 Enamelled pressed steel stove

operating pressure 37 mbar
8.8 kW
suitable for butane or propane at low pressure



7012 Single cast iron burner

operating pressure 37 mbar
2.5 kW
suitable for butane or propane at low pressure



7013 Double cast iron burner

operating pressure 37 mbar
5 kW
suitable for butane or propane at low pressure



7014 Triple cast iron burner

operating pressure 37 mbar
12 kW
suitable for butane or propane at low pressure

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LPG high pressure hose

high pressure hose to BS 3212/2
in 50m coils

1299 - 4.8mm bore

1300 - 6.3mm bore

1319 - 8.0mm bore



LPG low pressure tubing

low pressure tubing to BS 3212/1
in 50m coils

1314 - 8.0mm bore



Pre-packed cooker hose assemblies

Pre cut lengths of gas hose c/w clips

7090 - 1 metre reinforced orange hose c/w clips

7091 - 2 metre reinforced orange hose c/w clips

7092 - 3 metre reinforced orange hose c/w clips

7093 - 1 metre black low pressure tubing c/w clips

7094 - 2 metre black low pressure tubing c/w clips

7095 - 3 metre black low pressure tubing c/w clips



'O' hose clips

1324 - 1/2" O clip 11 - 13mm

1325 - 5/8" O clip 15 - 18mm

1326 - 9/16" O clip 13 - 15mm



Jubilee clips

1305 - size 000 10-13mm

1306 - size M00 13-16mm

1307 - size 00 13 - 19mm



Bottle spanner

7035 - gas bottle spanner
for connecting regulators to cylinders

Gas match

7036 - refillable lighter for easy
lighting of appliances

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Changeover valve

7033 - 2 Cylinder changeover valve kit

Comes complete with 20" hoses (0008)
full bore isolation valve.
37 mbar outlet pressure.
4 kg/hr capacity for Propane

Touring regulators & hose assemblies



- 7082 - Touring regulator with angled inlet for non Avondale caravan replacement.
- 7083 - Touring regulator. Avondale model 2003 onwards.
- 7084 - Cylinder valve adaptor for Camping Gaz.
- 7085 - Cylinder valve adaptor for Butane 21mm
- 7086 - Cylinder valve adaptor for Patio gas.
- 7087 - High pressure LPG hose to fit 0003, 0004, 0005. Outlet for touring regulators / changeover valve.
- 7088 - High pressure LPG hose, Inlet Butane nut, Outlet for touring regulators / changeover valve.
- 7089 - High pressure LPG hose. Inlet Propane POL nut. Outlet for touring regulators / changeover valve.

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Bullfinch standard torch kits



110P Torch kit

Comprising:

Handle	No 1185
Burner	No 1230
Tinyreg	No 1041
2.75 mtr (9ft) hose	No 1299
2 x O clips	No 1324



140P Torch kit

Comprising:

Handle	No 1340
Burner	No 1230
Tinyreg variable regulator	No 1051
2.75 mtr (9ft) hose	No 1299
2 x O clips	No 1324



230P Autotorch kit

Comprising:

Handle	No 2100
Burner	No 2105
Tinyreg variable regulator	No 1051
2.75 mtr (9ft) hose	No 1299
2 x O clips	No 1324



233P Autotorch kit

Comprising:

Handle	No 2300
Burner	No 2305
Tinyreg variable regulator	No 1051/11
2.75 mtr (9ft) hose assembly	No 1441



Bullfinch Brazing kit

404 Brazing kit

Comprising:

Handle	No 4100
Burner	No 4104
Regulator	No 4041
2.75 mtr (9ft) hose	No 1299
2 x O clips	No 1324
Fluxed brazing rod	

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Bullfinch Firepower torch



Available as

**FIREPOWER
TORCH**
handle with burner
(3640)

**FIREPOWER
TORCH KIT**
with 400g
propane cylinder (364)

**FIREPOWER
TORCH KIT**
with 399g
MAP//Pro cylinder (394)

Consumption at full rate

Propane 123g per hour MAP//Pro 139g per hour

3640 - Firepower torch handle.

364 - Firepower torch kit with 400g propane cylinder.

394 - Firepower torch kit with 399g MAP/Pro cylinder.

Features:

Ergonomic lightweight design

balanced handling

Robust engineering

All metal body

Longer body for improved reach

Instant flame by Piezo Ignition

MAP//Pro or propane cylinder compatible

Replaceable burner tip

Ignition lock button for continuous use

Disposable gas cylinders



Bullfinch cylinder mounted blowtorches work on both propane and MAP//Pro gas cylinders.

1644 - Disposable 400g propane cylinder

Has CGA 600 connector (1in x 20 UNEF male)

1694 - Disposable 399g MAP//Pro cylinder

Has CGA 600 connector (1in x 20 UNEF male)

To order or for more information contact us on 0845 1209639 or visit us at www.bullfinch-gas.co.uk

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Heatshrink complete kit



7072 Heatshrink kit

Kit comprising of:

Shrink Wrap gun, 8 metre hose,
regulator hose failure valve, Oil bottle and oil.

Fuel - Propane

Ignition - Piexo crystal

Gas pressure - 3.5 bar (50 psi)

Heat variable - 32 kW (110,000 BTU)

Gas consumption - 2kg/hr

Weight - 1kg



Torch kits

7042/01 Roofing torch kit

Trigger operated handle

600mm neck tube

60mm burner

5 mtr hose

Regulator

For propane cylinder with POL connection

Twin headed torch kit

Trigger operated handle

600mm neck tube

Twin adaptor

2 x 60mm burners

5 mtr hose

Regulator

For propane cylinder with POL connector



7043/01 Economy torch kit

Trigger operated handle

20mm burner

3 mtr hose

Regulator

For propane cylinder with POL connection



Gas Poker kit

A fast and reliable way to light barbecues and
outdoor fires including hog roasts, coke or
charcoal braziers.

Kit comes complete with 2.75 mtr hose and regulator

To order or for more information contact us on
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Hose fittings & bottle connectors



1121 - 1/4" BSP male union - 4.8mm hose.



0000 - 1/4" BSP male union - 6.3mm hose.

1114 - 1/4" BSP male union - 8.0mm hose.



6006 - 3/8" BSP male union - 8.0mm hose.



0000 - 1/4" BSP female union - 8.0mm hose.

0000 - 3/8" BSP female union - 8.0mm hose.



1021 - 3/8" BSP Left Hand female union - 4.8mm hose.



1022 - 3/8" BSP Left Hand female union - 6.3mm hose.



1023 - 3/8" BSP Left Hand female union - 8.0mm hose.



1043 - Three way plain hose connector - 4.8mm hose.

7071 - Three way plain hose connector - 8.0mm hose.



1506 - 'Y' Manifold 2 x 5/8" BSP Left hand female POL
1 x 5/8" BSP Left Hand male POL
all for Propane.

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0845 1209639 or visit us at www.bullfinch-gas.co.uk

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Low pressure regulators



Camping Gaz Connection regulator

operating pressure - 28 mbar - 11 in-wg
capacity 0.8 kg/hr



7026 Clip-on 20mm butane regulator

inlet pressure - max 6 bar
operating pressure - 28 mbar - 11 in-wg
capacity 1.3 kg/hr



7027 Clip-on 21mm butane regulator

inlet pressure - max 6 bar
operating pressure - 28 mbar - 11 in-wg
capacity 1.3 kg/hr



7028 Screwed butane regulator

butane hex nut
inlet pressure - max 6 bar
operating pressure - 28 mbar - 11 in-wg
capacity 1.1 kg/hr



7069 Clip-on 27mm propane regulator

inlet pressure - max 20 bar
operating pressure - 37 mbar - 14 in-wg
capacity 1.5 kg/hr



330 Screwed propane regulator

propane POL connection
inlet pressure - max 16 bar
operating pressure - 37 mbar - 15 in-wg
capacity 1.1 kg/hr



7058 Propane regulator - 4kg

replaces 766P regulator
propane POL connection
outlet connection - 3/8" BSP female
inlet pressure - max 16 bar
operating pressure - 37 mbar - 15 in-wg
capacity 4 kg/hr

To order or for more information contact us on
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High pressure regulators



7030 Propane regulator 1 bar

1 bar fixed operating pressure
inlet pressure - max 19bar
capacity 8 kg/hr



7031 Propane regulator 0.35 - 2 bar

0.35 to 2 bar variable operating pressure
inlet pressure - max 19 bar
capacity 8 kg/hr



7032 Propane regulator 0.5 - 4 bar

0.5 to 4 bar variable operating pressure
inlet pressure - max 19 bar
capacity 8 kg/hr

Hi-Lo propane adaptor



7070 Hi-Lo propane adaptor

excess flow valve
thermal fuse valve (shuts off in event of fire)
gives indication of cylinder content

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Heaters



REM440CR infra-red heater

convenient and portable heater
oxygen depletion protection
3 heat settings 1.4 - 4.2 kW
supplied with 21mm clip on regulator



SC85 Catalytic heater

comfortable heat with no flame on heating surface
oxygen depletion protection
3 heat settings from 1.85 - 3.0 kW
supplied with 21mm clip on regulator



DTRD4200 Simba wall mounted heater Bottled gas heater

oxygen depletion protection
3 heat settings from 1.4 - 4.2 kW
heater requires a metal piped propane supply
at a pressure of 37 mbar



DTRD2800 Simba wall mounted heater Natural gas

oxygen depletion protection
3 heat settings from 1.4 - 2.8 kW
heater requires a metal pipes natural gas supply

Heater guard

7046 heater guard

Adjustable to any size of cabinet heater
bronze painted finish
dimensions 530 x 740 x 250mm

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Remington fired propane heaters



REM10M - 10kW - 34000 Btu/hr
REM15M - 15kW - 51000 Btu/hr
REM30M - 30kW - 102000 Btu/hr
REM50M - 50kW - 157000 Btu/hr
REM70M - 70kW - 235000 Btu/hr



CE approved
stainless steel casing
variable heat output
flame failure protection
low body temperature
no warming up period
100% efficiency
clean combustion - no smell
complete with propane hose and regulator
complete with electric 240v 3 pin plug



MP 25 DV
Max capacity 30 kW
100000 Btu
Dual voltage



MP 70 DV
Max capacity 70 kW
280000 Btu
Dual voltage



Gas oil direct fired heaters

A range of Diesel direct and indirect fired heaters are available from 10 kW to 220 kW

CALL FOR DETAILS

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Marquee Heaters

Premier 80 and 170 Marquee Heaters

These are high quality heaters providing safe, reliable heat. They are fully approved and tested to European standards. They come complete with hose and regulator for the standard 5/8in BSP POL fitting on most propane cylinders.

Also provided is an electrical lead and plug for a standard 13 amp domestic 220/240v socket.

Ideal for marquees, workshops, factories, leisure areas etc.

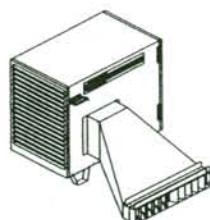
- Clean burning
- Quick warm up
- No cooldown cycle
- No fuel spillage
- Easy to set up
- Easy to operate
- Automatic spark ignition
- Remote thermostat
- Self diagnostic control
- Certified to CE standard
- Air circulating only
- Facility included



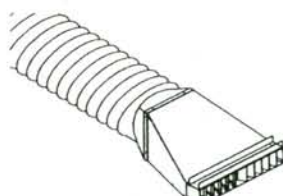
Product Data	Premier 80	Premier 170
Model Number – Bullfinch number (LB White number)	No. 2208 (TS080)	No. 2217 (TS170)
Input rating	23.5kW (80000 Btu/h)	50kW (170000 Btu/h)
Gas consumption – propane	1.7 kg/h (3.7lb/h)	3.6 kg/h (7.9lb/h)
Heated air output – cu m per min (cu ft per min)	12.7 (450)	34.0 (1200)
Electrical supply – volts – amps (starting) continuous	240v – (5) 1.5 amps	240v – (8) 2.5 amps
Motor type	Ball bearing	Ball bearing
Case material	White 'Tri-Shield' Painted Steel	
Dimensions (mm) length x width x height	750 x 345 x 510	782 x 465 x 720
Net weight	31kg (67lb)	58kg (126lb)

Air Distribution Options

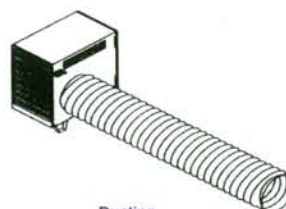
The heaters can be used with the accessories shown below. Diffusers allow you to place the heaters outside the marquee and have a wide register that distributes the air at ground level. The unit diffuser fits on the unit, whilst a duct diffuser is used in combination with flexible ducting.



Unit Diffuser



Duct Diffuser



Ducting

How many heaters

The following is a guide for the number of heaters required for a 20 deg C temperature rise in a 4m high marquee (approx figures as a guide only)

100 sq m (1000 sq ft) – 1 TS080 or 1 TS170

250 sq m (2500 sq ft) – 2 TS080 or 1 TS170

400 sq m (4000 sq ft) – 4 TS080 or 2 TS170

500 sq m (5000 sq ft) – 5 TS080 or 2 TS170

Electrical supply

All you need to provide is a 13 amp 240v electrical supply.

Gas supply

At least one 47kg cylinder of propane is required for the heaters and for continuous use of the 170 heater on colder days it would be better to provide two cylinders joined by an extra pigtail (Bullfinch 1494) and Y manifold (Bullfinch 1506)

Product Data		length (mm)	width (mm)	air outlet (mm)	wt (kg/lb)
Unit diffuser for 80 – Bullfinch No. (LB White No.)	No. 2213 (09389)	485	380	380 x 100	7.7(17)
Unit diffuser for 170 – Bullfinch No. (LB White No.)	No. 2214 (09396)	585	610	610 x 130	11.4(25)
Ducting, white – Bullfinch No. (LB White No.)	No. 2211 (20685)	from 915 to 3660		305 round	9.1(20)
Duct diffuser – Bullfinch No. (LB White No.)	No. 2212 (21177)	610	610	610 x 130	11.4(25)

To order or for more information contact us on 0845 1209639 or visit us at www.bullfinch-gas.co.uk

Bullfinch specialises in the supply of portable equipment that takes advantage of the unique features of LPG: compact flames, clean burning and portability. Our products provide heat and power where you need it with less waste and reducing your carbon footprint.

Our range includes blowtorches, heaters, furnaces and cookers.

Visit our website for more information:

www.bullfinch-gas.co.uk

Bullfinch

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