

CIGWELD

AN ESAB BRAND

BLUEJET™

LPG

LPG EXPANSION BURNERS

SOLID & ROBUST CONSTRUCTION FOR HEAVY DUTY WORKSHOP & SITE APPLICATIONS



FEATURES

- The burner torch head is constructed of stainless steel for added durability, providing longevity to the equipment reducing the need for replacement or repairs.
- The left-hand thread for gas type identification provides a simple and efficient way to avoid cross-connections between incompatible gases, ensuring a safer working environment.
- The torch handle is constructed with solid internal brass construction with an aluminum outer handle for added durability and provides an extra layer of protection and corrosion resistance, ensuring long-lasting use and convenience.
- The handle design ensures comfort and ease of use when using the Expansion Burner Torch. The torch can be operated perfectly from a -20° to 90° angle.
- The adjustable flame control provides versatility and convenience, allowing the user to tackle different tasks with a single burner torch, no matter the application's requirements.
- Approximate heating temperature of Propane in Air = 1,980°C

- The Expansion Burner works in a unique fashion by taking the cold LPG from the cylinder (-45°C) and running it around the burner head so the gas warms up prior to mixing with the Air (that includes Oxygen) which provides for a much better mixture of Fuel Gas (LPG) and Oxygen to produce a more efficient blue heating flame.
- LPG supplied in Australia in cylinder form is mainly Propane with a high purity rate of between 95-99% propane.

IDEAL FOR

- Preheating steel/metals prior to welding applications
- Heating steel/metals prior to bending and hardening processes
- Metal repairs, maintenance and unfreezing parts
- Controlling inter-pass temperature during welding operations
- Line marking on roadways
- Heating & joining waterproofing membranes

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CIGWELD Data Sheet **XB V2-2023**
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XB50

LPG EXPANSION BURNER 50mm HEAD

P/N: 308416



- LPG/Propane supplied in Australia contains approximately 50.4 MJ (Megajoules) of energy for every 1kg of gas consumed.
- The XB50 will run for approximately 4.5hrs on a 45kg LPG cylinder or ~50 minutes on an 8.5kg BBQ cylinder.

Burner Head Diameter:	50mm
Flame Length:	600mm
Heat Output:	500MJ/hr (474,000BTU/hr) @200kPa LPG
Thread:	3/8" - BSP RH
Operating Angle:	-20° to 90°
Dimensions L x W x H:	460mm x 80mm x 70mm
Weight:	0.510kg

XB75

LPG EXPANSION BURNER 75mm HEAD

P/N: 308417



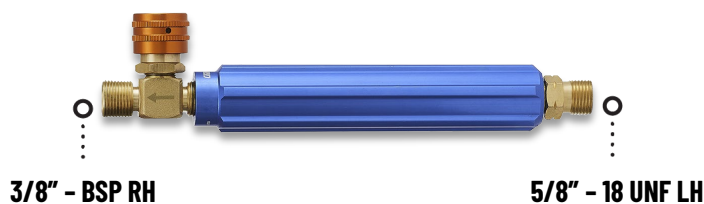
- The XB75 will run for approximately 1hr 44mins on a 45kg LPG cylinder or ~20 minutes on an 8.5kg BBQ cylinder.
- For extended use CIGWELD recommend that multiple (2+) 45kg LPG cylinders be manifolded together to supply the XB75 burner head.

Burner Head Diameter:	75mm
Flame Length:	800mm
Heat Output:	1300MJ/hr (1,232,000 BTU/hr) @200kPa LPG
Thread:	3/8" - BSP RH
Operating Angle:	-20° to 90°
Dimensions L x W x H:	460mm x 100mm x 90mm
Weight:	0.905kg

XBTORCH

LPG EXPANSION BURNER TORCH HANDLE WITH VALVE

P/N: 308418



Thread:	3/8" - BSP RH & 5/8"- 18 UNF LH
Dimensions L x W x H:	210mm x 20mm x 45mm
Weight:	0.335kg



Thread:	3/8" - BSP RH & 5/8" - 18 UNF LH
Dimensions L x W x H:	50mm x 20mm x 40mm
Weight:	0.110kg

XB50 KIT

LPG EXPANSION BURNER 50mm kit

P/N: 308420



KIT CONTENTS

- LPG Expansion Burner 50mm Head
- LPG Expansion Burner Torch Handle with valve
- Bluejet LPG Regulator Side Inlet
- Comet fitted LPG gas hose, 5m
- Three Flint Lighter

Dimensions L x W x H:	550mm x 230mm x 250mm
Weight:	3.46kg

XB75 KIT

LPG EXPANSION BURNER 75mm kit

P/N: 308421



KIT CONTENTS

- LPG Expansion Burner 75mm Head
- LPG Expansion Burner Torch Handle with valve
- Bluejet LPG Regulator Side Inlet
- Comet fitted LPG gas hose, 5m
- Three Flint Lighter

Dimensions L x W x H:	550mm x 230mm x 250mm
Weight:	3.88kg

BLUEJET LPG REGULATOR SIDE INLET

P/N: 201003



Outlet connection: **5/8" - 18 UNF LH**

Max working pressure/flow: **400 kPa**

Inlet connection: **CGA 510 SI**

COMET FITTED LPG GAS HOSE, 5m

P/N: 308422



Thread: **5/8" - 18 UNF LH**

Nominal bore diameter: **5mm**

Color: **Orange**

Standard: **AS 1869**

Length: **5 m**

COMET FITTED LPG GAS HOSE, 10m

P/N: 308423



Thread: **5/8" - 18 UNF LH**

Nominal bore diameter: **5mm**

Color: **Orange**

Standard: **AS 1869**

Length: **10 m**

THREE FLINT LIGHTER

P/N: 308832



- Rigid arm design concentrates more force onto the flint.
- End cup pockets the gas of quicker lighting.
- Spare flints dialed into position via adjusting nut.
- Flint centered on abrasion cylinder for even wear.
- Simple ergonomic design.