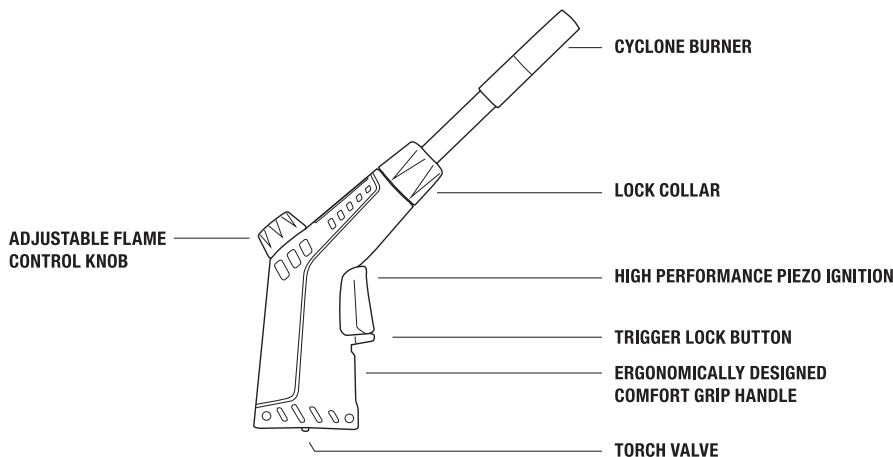


# Ultima Tradeflame

## PRODUCT MANUAL

### ULTIMA Blow Torch

PART NO: 219012/219101/219112



**IMPORTANT: READ THESE INSTRUCTIONS FOR USE CAREFULLY. FAMILIARISE YOURSELF WITH THE APPLIANCE BEFORE CONNECTING IT TO ITS GAS CONTAINER. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

The Tradeflame Ultima blow torch provides everything a tradesman, craftsman or discerning home handyman requires. With many unique features it is the most advanced blowtorch for brazing, soft soldering, heat shrinking, heating or dismantling work.

Featuring a powerful and efficient torch system with a range of interchangeable burners (either sold separately or contained in kits) to suit all job types, quickly and easily change burner type, a reliable high quality piezo instant ignition trigger (up to 30,000 ignitions), new ergonomic comfort grip handle, trigger on/off function helps prevent gas wastage, new trigger lock switch provides continuous flame for hands free use, anti-flare enables the torch to operate in all positions (360°), designed for use with TF/Ultra Gas performance gas, MAPP® replacement or propane gas. MAPP® is a registered Trademark of the Linde Group.

**IT MAY BE HAZARDOUS TO ATTEMPT TO FIT OTHER TYPES OF GAS CONTAINERS.**

**ONLY USE IN WELL-VENTILATED AREAS.**

**CARBON MONOXIDE HAZARD - USING THIS APPLIANCE IN AN ENCLOSED SPACE MAY CAUSE DEATH. DO NOT USE IN CARAVANS, TENTS, MARINE CRAFT, CARS, MOBILE HOMES OR SIMILAR LOCATIONS.**

**CAUTION:** accessible parts may be very hot. Keep young children away.

#### SAFETY INFORMATION

- Inspect the appliance regularly for signs of wear, leaks or incorrect operation.
- Do not modify this appliance.
- Ensure all packaging is removed prior to use.
- Check that seals between the appliance and the gas

container are in place and in good condition before connecting the gas cartridge.

- Do not use this appliance if it has damaged or worn seals.
- Do not use the appliance if it is leaking, damaged or does not operate properly.
- Gas containers shall be changed in a well-ventilated location, preferably outside, away from people and any source of ignition, such as naked flames, pilot flame, electric heaters/equipment.
- To avoid injury or damage, only ignite the torch when clear of face, hands, clothing or combustible materials.
- Always inspect your environment before igniting to ensure the area is clear of any potential ignition sources or hazards.
- The burner becomes extremely hot during and after operation. Care must be taken to avoid accidental burns.
- This appliance must be operated away from any flammable material or surfaces.
- Never leave the torch unattended once lit. Extinguish the torch first ensuring it is completely out and safe before leaving unattended.
- Protect from direct sunlight. Do not expose to temperature above 50°C/120°F.
- Do not breathe gas, fumes, vapour or spray. If inhaled, move the person to a fresh air environment.
- For maximum protection, always wear safety goggles, gloves or other appropriate equipment.
- Avoid contact with eyes or skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### TO ASSEMBLE

1. Ensure the flame control knob is turned off (-) fully clockwise.
  2. Keep the cartridge in an upright position and place the torch valve on top of the BOM fitting.
  3. Gently screw (clockwise) the valve body into the cylinder.
  4. **IMPORTANT:** Always check for leaks using a leak detection spray or soapy water before ignition
- CAUTION - DO NOT OVER TIGHTEN.**

#### TO IGNITE

1. To avoid injury or damage, always point the burner away from your body and any flammable or combustible materials.
2. Turn the flame control knob (+) anti-clockwise.
3. Press the trigger to ignite the burner.
4. For a constant flame, before releasing the trigger, press the trigger lock button downwards to engage functions.

## ADJUSTING THE FLAME LEVEL.

Turn the flame control knob anti-clockwise (+) to increase the flame.

Turn the flame control knob clockwise (-) to decrease the flame.

## TO EXTINGUISH

1. If the trigger lock button is engaged, press the trigger to release the trigger lock button and then release the trigger.
2. Turn the flame control knob fully clockwise to the closed position.
3. Allow the torch to cool.

## TO DISASSEMBLE

1. Ensure the burner has cooled properly.
2. Gently screw (anti-clockwise) the hose torch valve from the cartridge.
3. Replace the gas cartridge cap to keep the valve clean.

## STORAGE

- Ensure flame is completely out after use.
- Always detach torch from cartridge when not in use.
- Make sure that the cartridge is disconnected and is stored in a well ventilated area, out of the reach of children, free from direct sunlight, heat and ignition sources. If being stored indoors, ensure that the location complies with the standard AS/NZS 1596.
- Do not store chemicals or flammable materials, or spray aerosols near this appliance.

## MAINTENANCE/SERVICING

If symptoms such as flaring burner, issues with lighting, leaks from seals or problems with gas control are identified, do not attempt to repair, return to your authorised stockist for service and maintenance.

This appliance must only be serviced by an authorised person.

## TO INTERCHANGE TIPS

- Ensure tip attached has cooled
- Unscrew lock collar
- Remove tip and replace with your desired tip
- Hand tighten lock collar

## DO NOT OVER TIGHTEN

## TF / ULTRA Blow Torch PART NO: 219012

### FEATURES

- Super cyclone burner with increased tip diameter
- Full function flame even when cartridge is inverted
- Easily interchange burners (sold separately)

This appliance shall only be used with disposable propylene  $\geq 95\%$  (115-07-01) cartridges certified to EN11118, with the (CGA600) BOM fitting.

### SPECIFICATIONS

- **Gas:** TF/ Ultra Gas  $\geq 95\%$  (115-07-01)
- **Gas fitting:** BOM fitting
- **Fuel cartridge size:** 400 g
- **Burn temperature:** 1982°C/3600°F

### CYCLONE FLAME BURNER

- **Burner:** Cyclone burner 16 mm
- **Gas consumption:** 240 g/h
- **Diameter:** 16 mm
- **Effect:** 3.3 kW
- **Solder:** 3.18 mm–76 mm (1/8"–3") copper pipe
- **Brazes:** 1.5 mm–25.4 mm (1/16"–1") copper pipe

## TF / ULTRA Blow Torch PART NO: 219101

### FEATURES

- Powerful and efficient torch system
- Easily interchangeable burners
- High performance piezo ignition
- Auto start / stop ignition trigger prevents gas wastage
- Regulated pressure for all angle use
- Ergonomic handle design for ease of use and comfort
- Control knob for adjustable flame
- Trigger lock for continuous use
- Heavy duty carry case

### CONTENTS

- Disposable TF / ULTRA GAS™ 400 g (326439)
- Burns at 1982°C / 3600°F
- EN ISO 11118 compliant
- Ultima blow torch (219012)
- Super cyclone burner with increased tip diameter
- Solders: 3.18 - 76 mm (1/8 - 3") copper pipe
- Brazes: 1.5 - 25.4 mm (1/16 - 1") copper pipe
- Ultima pinpoint burner (219023)
- Solders: 6 mm copper pipe

### SPECIFICATIONS

- **Gas:** Disposable TF / ULTRA GAS™ 400 g (326439)
- **Burner:** Pin point burner
  - **Gas consumption:** 40 g/h
  - **Diameter:** 15 mm
  - **Effect:** 0.5 kW
- **Burner:** Cyclone burner 16 mm
  - **Gas consumption:** 240 g/h
  - **Diameter:** 16 mm
  - **Effect:** 3.3 kW

## TF / ULTRA Blow Torch PART NO: 219112

### FEATURES

- Powerful and efficient torch system
- Easily interchangeable burners
- High performance piezo ignition
- Auto start / stop ignition trigger prevents gas wastage
- Regulated pressure for all angle use
- Ergonomic handle design for ease of use and comfort
- Control knob for adjustable flame
- Trigger lock for continuous use
- Heavy duty carry case

### CONTENTS

- Disposable TF / ULTRA GAS™ 400 g (326439)
- Burns at 1982°C / 3600°F, EN ISO 11118 compliant
- Ultima blow torch with 6 interchangeable tips:
  - Pin point burner
  - Standard burner
  - Cyclone burner 14 mm
  - Cyclone burner 16 mm
  - Hot air burner
  - Soft flame burner

### SPECIFICATIONS

- **Gas:** Disposable TF / ULTRA GAS™ 400 g (326439)
- **Burner:** Pin point burner
  - **Gas consumption:** 40 g/h
  - **Diameter:** 15 mm
  - **Effect:** 0.5 kW
- **Burner:** Standard burner
  - **Gas consumption:** 90 g/h
  - **Diameter:** 16 mm
  - **Effect:** 1.2 kW
- **Burner:** Cyclone burner 14 mm
  - **Gas consumption:** 170 g/h
  - **Diameter:** 14 mm
  - **Effect:** 2.2 kW
- **Burner:** Cyclone burner 16 mm
  - **Gas consumption:** 240 g/h
  - **Diameter:** 16 mm
  - **Effect:** 3.3 kW
- **Burner:** Hot air burner
  - **Gas consumption:** 130 g/h
  - **Diameter:** 38 mm
  - **Effect:** 1.7 kW
- **Burner:** Soft flame burner
  - **Gas consumption:** 230 g/h
  - **Diameter:** 24 mm
  - **Effect:** 3.5 kW