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CFH 52060c

CFH Turbo GT 2000 Gas Soldering Torch Instruction Manual

1. INTRODUCTION

The CFH Turbo GT 2000 is a powerful gas soldering torch designed for both soft and hard soldering applications. It is ideal for working with copper and steel pipes, offering efficient and precise operation. This manual provides essential information for the safe and effective use, setup, and maintenance of your CFH Turbo GT 2000 gas soldering torch.



Image 1: The CFH Turbo GT 2000 Gas Soldering Torch, showing the torch handle, burner, and attached 1.5-meter orange gas hose with connectors.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the CFH Turbo GT 2000 gas soldering torch. Failure to follow these instructions can result in serious injury or property damage.

- **Read the Manual:** Before use, thoroughly read and understand all instructions and warnings in this manual.
- **Ventilation:** Use the torch only in well-ventilated areas to prevent the accumulation of hazardous fumes.
- **Protective Gear:** Always wear appropriate personal protective equipment, including safety glasses, heat-resistant gloves, and protective clothing.
- **Flammable Materials:** Keep the work area clear of all flammable materials, liquids, and gases. Maintain a safe distance from combustible surfaces.
- **Gas Leaks:** Before each use, check all gas connections for leaks using a suitable leak detection spray. Never use an open flame to check for leaks.
- **Hose Certification:** The included gas hose is DVGW certified and designed for butane and propane gas. It is suitable for ambient temperatures ranging from -30 °C to +70 °C. Regularly inspect the hose for damage, cracks, or wear. Replace immediately if any damage is found.
- **Hot Surfaces:** The burner and surrounding areas become extremely hot during operation and remain hot for a period after use. Avoid contact with hot surfaces. Allow the torch to cool completely before

storing.

- **Children and Pets:** Keep the torch and gas cylinders out of reach of children and pets.
- **Storage:** Store the torch and gas cylinders in a cool, dry, well-ventilated area, away from direct sunlight and heat sources. Disconnect the torch from the gas cylinder when not in use.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- 1 x CFH Turbo GT 2000 Hand Soldering Torch
- 1 x Gas Hose (1.5 m, 3/8" connections)

4. SETUP

Follow these steps to set up your CFH Turbo GT 2000 gas soldering torch:

1. **Connect the Gas Hose to the Torch:** Securely attach one end of the 1.5 m gas hose to the inlet connection on the CFH Turbo GT 2000 soldering torch. Ensure the connection is tight to prevent gas leaks.
2. **Connect the Gas Hose to the Gas Cylinder:** Connect the other end of the gas hose to a suitable propane or butane gas cylinder (5, 11, or 33 kg) equipped with a pressure regulator. Ensure the regulator is correctly installed on the gas cylinder and the hose is securely attached to the regulator's outlet.
3. **Check for Leaks:** After making all connections, apply a leak detection spray to all joints. Bubbles indicate a gas leak. If a leak is detected, immediately close the gas cylinder valve, tighten the connections, and re-test. Do not operate the torch if a leak persists.
4. **Positioning:** Place the gas cylinder in an upright, stable position away from the immediate work area.

5. OPERATING INSTRUCTIONS

Operating the CFH Turbo GT 2000 requires careful attention to detail. This torch is suitable for all soldering positions.



Image 2: A person demonstrating the use of the CFH Turbo GT 2000 Gas Soldering Torch for soldering copper pipes, holding the torch in one hand and solder in the other.

1. **Open Gas Supply:** Slowly open the valve on the gas cylinder to allow gas to flow to the torch.
2. **Ignite the Torch:** Slightly open the gas regulation handle on the torch. Use a suitable igniter (e.g., a spark lighter) to ignite the gas at the burner nozzle. Never use your hand or body part to ignite.
3. **Adjust Flame:** Once ignited, adjust the flame intensity using the gas regulation handle on the torch. The torch has a power of approximately 4.14 kW and can reach an operating temperature of approximately 800 °C. Adjust the flame to achieve the desired heat for your soldering task. The adjustable handle allows for energy-efficient and precise work.
4. **Soldering:** Apply the flame to the workpiece (e.g., copper or steel pipe) until it reaches the

appropriate soldering temperature. Then, apply the solder to the heated joint.

5. **Extinguish the Torch:** When finished, first close the gas regulation handle on the torch. Then, close the valve on the gas cylinder completely. Allow any remaining gas in the hose to burn off until the flame extinguishes.
6. **Cool Down:** Place the torch on a heat-resistant surface and allow it to cool down completely before handling or storing.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your CFH Turbo GT 2000 gas soldering torch.

- **Cleaning:** After each use, ensure the torch is cool. Wipe down the torch body and burner nozzle with a clean, dry cloth to remove any residue or debris. Do not use abrasive cleaners or solvents.
- **Hose Inspection:** Periodically inspect the gas hose for any signs of wear, cuts, cracks, or kinks. Replace the hose immediately if any damage is observed.
- **Connection Checks:** Regularly check all gas connections for tightness. Re-tighten if necessary.
- **Storage:** Store the torch in a clean, dry place, disconnected from the gas cylinder. Protect it from dust and moisture.

7. TROUBLESHOOTING

If you encounter issues with your CFH Turbo GT 2000, refer to the following common problems and solutions:

- **No Flame or Weak Flame:**
 - Ensure the gas cylinder valve is fully open.
 - Check if the gas cylinder is empty and replace if necessary.
 - Verify all hose connections are tight and free of leaks.
 - Ensure the gas regulation handle on the torch is sufficiently open.
- **Gas Leak Detected:**
 - Immediately close the gas cylinder valve.
 - Tighten all connections.
 - Re-test with leak detection spray. If the leak persists, do not use the torch and contact customer support.
- **Torch Does Not Ignite:**
 - Ensure gas is flowing and the gas regulation handle is slightly open.
 - Check your igniter to ensure it is functioning correctly.

For problems not listed here, please contact CFH customer support.

8. SPECIFICATIONS

- **Brand:** CFH
- **Model Number:** 52060c
- **Manufacturer:** CFH
- **Product Dimensions (L x W x H):** 36 x 11 x 3 cm

- **Item Weight:** 739 Grams
- **Color:** Silver/Blue/Black
- **Material:** Copper (burner components)
- **Power Source:** Gas (Propane/Butane)
- **Power:** 4.14 KW
- **Operating Temperature:** Approximately 800 °C
- **Number of Items:** 1 (torch unit)
- **Included Components:** 1 Hand Soldering Torch, 1 Gas Hose
- **Batteries Included/Required:** No
- **Gas Hose Length:** 1.5 m
- **Gas Hose Connections:** 3/8"
- **Gas Hose Certification:** DVGW
- **Gas Hose Ambient Temperature Range:** -30 °C to +70 °C

9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and spare parts availability for the CFH Turbo GT 2000 is not provided in the product details. For warranty claims, technical support, or inquiries about spare parts, please contact your retailer or the CFH manufacturer directly.