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› [GASPRO](#) /

› GASPRO 1/4" Propane Quick Connect Fittings Kit Instruction Manual

## GASPRO GASPRO\_QP1-2

# GASPRO 1/4" Propane Quick Connect Fittings Kit Instruction Manual

## INTRODUCTION

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This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your GASPRO 1/4" Propane Quick Connect Fittings Kit. This kit is designed to facilitate easy and secure connections for low-pressure propane systems, commonly used in RVs, camping setups, and various outdoor cooking appliances. Please read all instructions carefully before use to ensure proper function and safety.

## SAFETY INFORMATION

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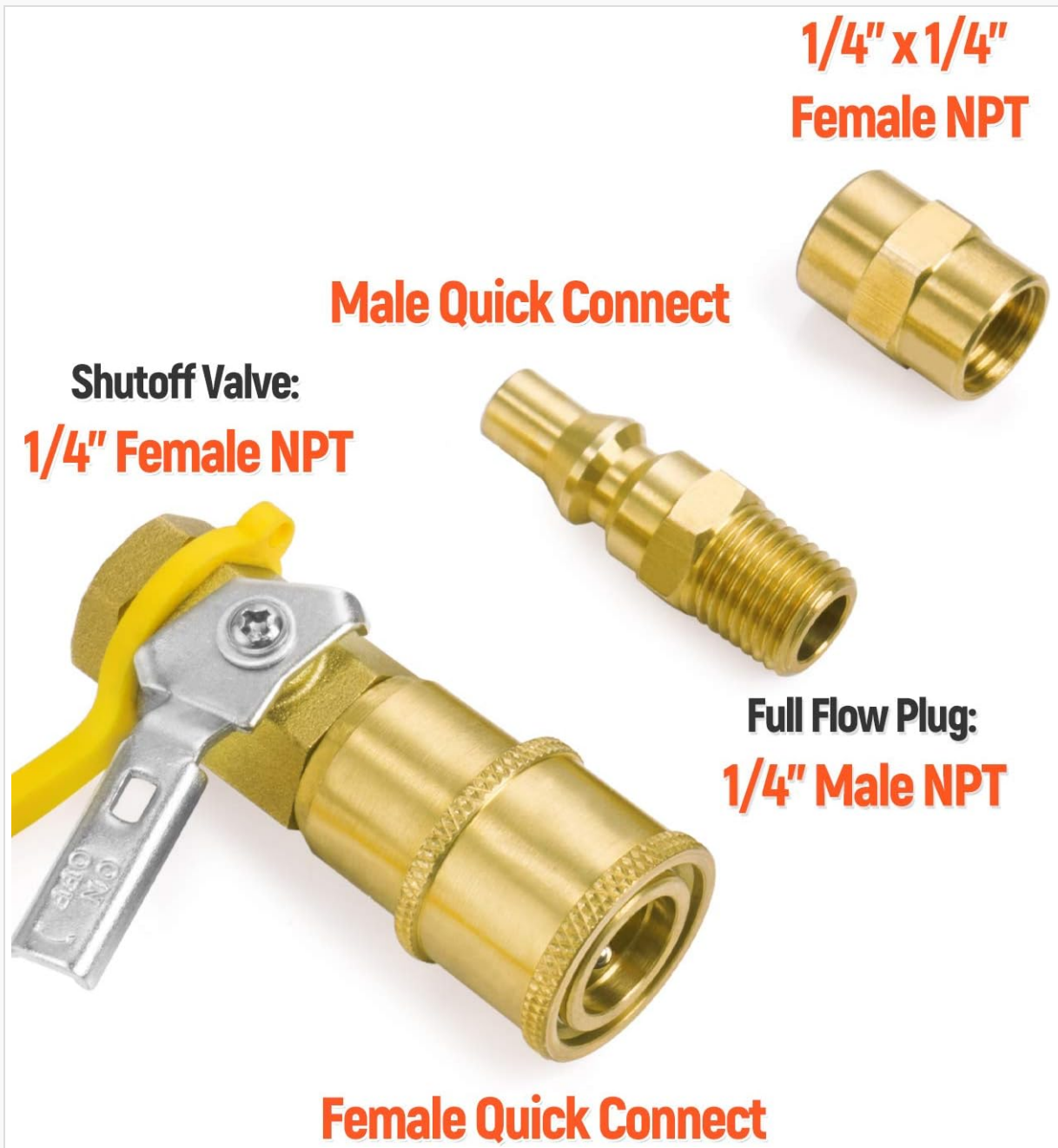
- **Propane Gas Safety:** Propane is a flammable gas. Always handle propane connections in a well-ventilated area, away from ignition sources.
- **Leak Detection:** After making any propane connection, always check for leaks using a soapy water solution. Bubbles indicate a leak. Do not use an open flame to check for leaks.
- **Pressure Compatibility:** These fittings are designed for **low-pressure** propane systems only. Do not use with high-pressure systems.
- **Proper Sealing:** Ensure all threaded connections are properly sealed using gas-rated thread sealant tape or compound.
- **Shut-off Valve:** Always close the shut-off valve on the quick connect fitting and the main propane supply when disconnecting or not in use.
- **Temperature Range:** The fittings are designed for operating temperatures from -40°C to 120°C (-40°F to 250°F).
- **Inspection:** Regularly inspect fittings for damage, wear, or corrosion. Replace any damaged components immediately.

## PACKAGE CONTENTS

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The GASPRO 1/4" Propane Quick Connect Fittings Kit (3-Packs) includes the following components:

- 1/4" Female NPT x 1/4" Female Quick Connect Shut-off Valve (with dust cap)
- 1/4" Male NPT x 1/4" Male Quick Connect Full Flow Plug
- 1/4" Female NPT x 1/4" Female NPT Brass Fitting



**Figure 1: Kit Components.** This image illustrates the individual components included in the GASPRO 1/4 inch Propane Quick Connect Fittings Kit. It clearly labels the Shutoff Valve (1/4" Female NPT), the Male Quick Connect, the Full Flow Plug (1/4" Male NPT), and an additional 1/4" Female NPT x 1/4" Female NPT brass fitting.

## SPECIFICATIONS

Attribute	Value
Size	1/4" Quick Connect Fittings
Material	Brass
Brand	GASPRO

Color	Golden
Item Dimensions (L x W x H)	5.31 x 3.74 x 1.65 inches
Connector Type	Quick Connect, NPT
Thread Type	NPT
Number of Pieces	3
Item Weight	6 ounces
Model Number	GASPRO_QP1-2
UPC	647581834060

## INSTALLATION GUIDE

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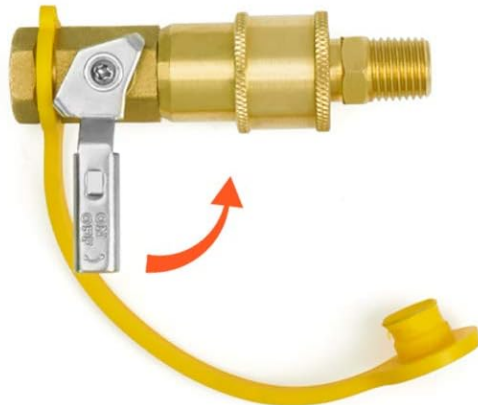
Follow these steps to properly install and connect your GASPRO 1/4" Propane Quick Connect Fittings Kit:

- 1. Prepare Connections:** Ensure all propane supply lines and appliance inlets are clean and free of debris. Apply gas-rated thread sealant tape or compound to all male NPT threads before assembly.
- 2. Assemble Components:**
  - Connect the 1/4" Female NPT x 1/4" Female Quick Connect Shut-off Valve to your propane supply line (e.g., RV propane port).
  - Connect the 1/4" Male NPT x 1/4" Male Quick Connect Full Flow Plug to your appliance's propane inlet.
  - Use the 1/4" Female NPT x 1/4" Female NPT Brass Fitting if an adapter is needed between two male NPT threads.
- 3. Secure Connections:** Hand-tighten all connections, then use a wrench to tighten an additional 1 to 2 turns. Do not overtighten.
- 4. Connect Quick Fittings:** With the shut-off valve in the 'OFF' position, insert the male quick connect plug into the female quick connect valve. Push firmly until it clicks into place.
- 5. Check for Leaks:** After all connections are made and the propane supply is turned on, spray a soapy water solution on all joints. If bubbles appear, turn off the propane supply, disconnect, re-seal, and re-tighten the connection, then re-test.

# Add a Convenient Connect/Disconnect Method



1



2

3



4



**Figure 2: Quick Connect Steps.** This visual guide demonstrates the process of connecting the quick connect fittings. Step 1 shows inserting the male quick connect plug into the female quick connect valve. Step 2 illustrates rotating the shutoff valve handle to the 'ON' position, which also locks the connection. Step 3 confirms a secure connection. Step 4 shows the fully assembled and connected fitting.



## Connect to RVs on board propane connection and other grills



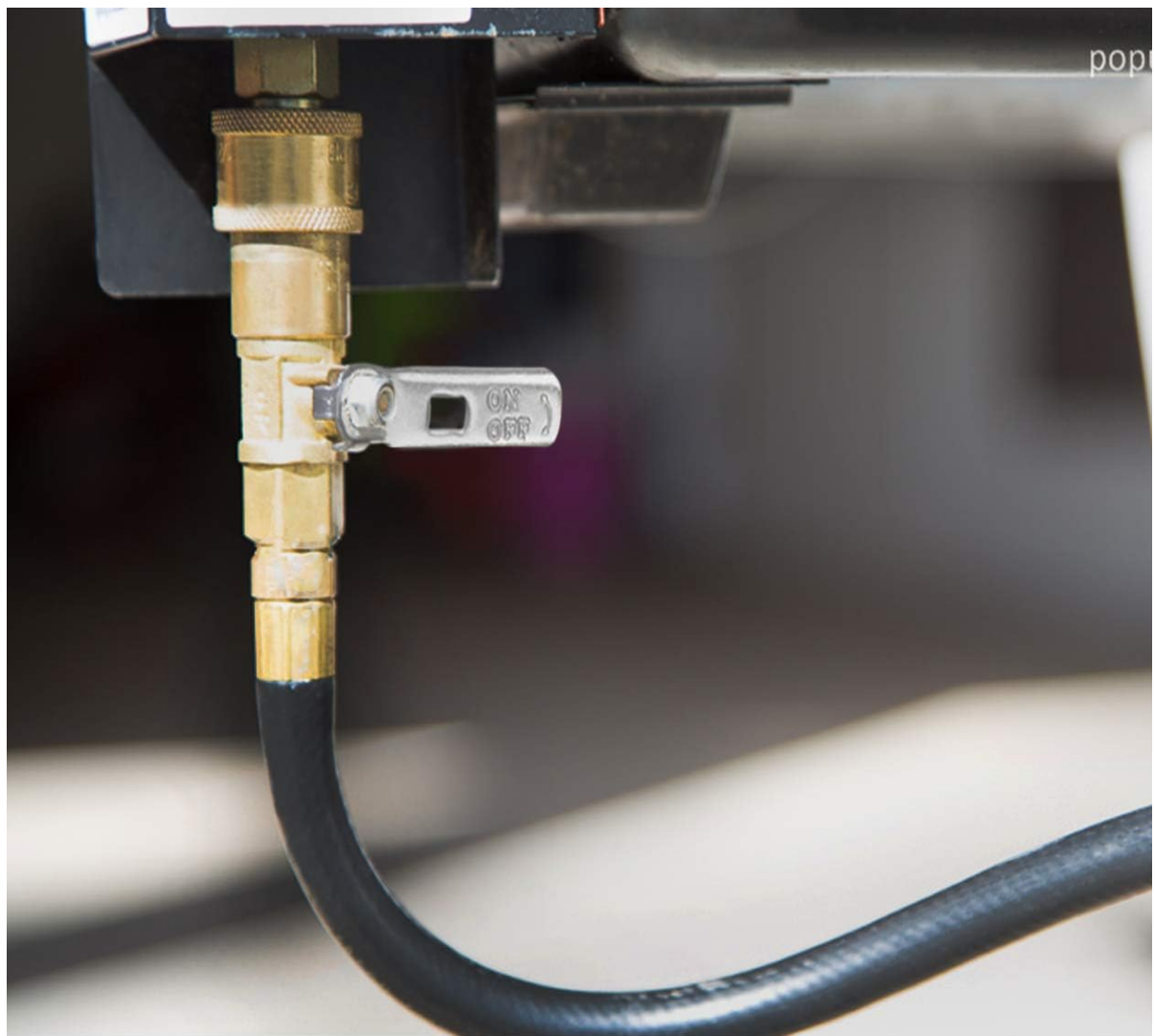
**Figure 3: RV Connection Example.** This image displays the GASPRO quick connect fitting integrated into an RV's existing propane system. A portable grill is shown connected, demonstrating how the kit facilitates easy connection of outdoor cooking appliances to an RV's low-pressure propane supply.

### OPERATION

The integrated shut-off valve provides convenient control over propane flow:

- **To Open Gas Flow:** Once the quick connect fittings are securely joined, rotate the handle on the shut-off valve to the 'ON' position. This will allow propane to flow to your appliance. The valve also acts as a locking mechanism, preventing accidental disconnection when open.
- **To Close Gas Flow:** Rotate the handle on the shut-off valve to the 'OFF' position. This will stop the propane flow.
- **To Disconnect:** Ensure the shut-off valve is in the 'OFF' position. Pull back the collar on the female

quick connect valve and pull the male plug out. The dust cap should be placed over the female quick connect when not in use to protect it from dirt and debris.



## Used for low-pressure propane system to add safety shut-off

**Figure 4: Safety Shut-off Valve.** A close-up view of the quick connect fitting, highlighting the integrated shut-off valve. This valve provides an immediate control point for gas flow, enhancing safety and convenience in low-pressure propane applications.

### MAINTENANCE

To ensure the longevity and safe operation of your GASPRO quick connect fittings, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect all fittings for signs of wear, damage, corrosion, or leaks. Pay close attention to threaded areas and quick connect mechanisms.
- **Cleaning:** Keep the fittings clean from dirt, dust, and debris. Use a soft cloth to wipe down the brass

surfaces. Avoid harsh chemicals that could damage the material.

- **Lubrication:** The internal O-rings and moving parts of the quick connect mechanism may benefit from occasional lubrication with a silicone-based lubricant suitable for propane applications. Do not use petroleum-based lubricants.
- **Storage:** When not in use, ensure the dust cap is placed over the female quick connect valve to prevent foreign objects from entering and damaging the internal mechanism. Store fittings in a clean, dry place.
- **Replacement:** If any component shows significant wear, damage, or persistent leaks, replace the entire fitting immediately. Do not attempt to repair damaged fittings.

## TROUBLESHOOTING

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If you encounter issues with your quick connect fittings, consider the following:

- **Gas Leak Detected:**
  - **Cause:** Loose connection, damaged O-ring, or insufficient thread sealant.
  - **Solution:** Turn off propane supply immediately. Disconnect fittings. Inspect O-rings for damage and replace if necessary. Reapply thread sealant to NPT threads. Reconnect and tighten all connections, then perform a soapy water leak test.
- **Difficulty Connecting/Disconnecting:**
  - **Cause:** Dirt/debris in the mechanism, damaged quick connect components, or valve not fully in 'OFF' position for disconnection.
  - **Solution:** Ensure the female quick connect is clean. Check for any obstructions. For disconnection, confirm the shut-off valve is fully in the 'OFF' position before pulling back the collar. Apply a small amount of propane-safe lubricant if mechanism feels stiff.
- **No Gas Flow:**
  - **Cause:** Shut-off valve in 'OFF' position, main propane supply off, or obstruction.
  - **Solution:** Ensure the quick connect shut-off valve is in the 'ON' position. Verify the main propane tank valve is open. Check for kinks in hoses or obstructions in lines.

## WARRANTY AND SUPPORT

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For warranty information or technical support regarding your GASPRO 1/4" Propane Quick Connect Fittings Kit, please refer to the product packaging or contact GASPRO customer service directly. Contact details can typically be found on the manufacturer's official website or through your point of purchase.