

Kemper 170312

Kemper 170312 Adjustable High-Pressure LPG Regulator (1-4 Bar) Instruction Manual

1. INTRODUCTION

This instruction manual provides essential information for the safe and correct installation, operation, and maintenance of the Kemper 170312 Adjustable High-Pressure LPG Regulator. This device is designed to regulate the pressure of Liquefied Petroleum Gas (LPG) from a high-pressure source to a stable output pressure adjustable between 1 and 4 bar, suitable for various gas appliances.

Please read this manual thoroughly before installation and use, and retain it for future reference. Incorrect installation or use can lead to serious injury or property damage.

2. SAFETY INFORMATION

WARNING: LPG is highly flammable and explosive. Always handle with extreme care.

- Installation and maintenance should only be performed by qualified personnel in accordance with local regulations and standards.
- Ensure adequate ventilation in the installation area.
- Always check for gas leaks using a suitable leak detection spray or soapy water solution after installation and before each use. Never use an open flame to check for leaks.
- Do not modify the regulator or use it for purposes other than its intended design.
- Ensure all connections are tight and secure.
- Keep the regulator away from heat sources, open flames, and sparks.
- Replace the regulator if it shows signs of damage, wear, or if its service life has expired (refer to local regulations for replacement intervals).

3. PRODUCT OVERVIEW

The Kemper 170312 regulator is designed for robust performance and precise pressure control. It features an inlet connection for the LPG source, an outlet connection for the appliance, and an adjustable knob for setting the desired output pressure.



Image shows the Kemper 170312 adjustable high-pressure LPG regulator. It features a main body with inlet and outlet connections, a blue central section, and a top adjustment knob. The knob has markings for 'L.P.G.', 'Type 52.2', 'Pd=1÷4 bar', 'P=max. 16 bar', 'Mg=12 Kg/h', 'EN 13785', and 'CE-0085B00473'.

4. SPECIFICATIONS

Feature	Specification
Brand	Kemper
Model Number	170312
Regulator Type	52.2 (L.P.G.)
Adjustable Output Pressure (Pd)	1 ÷ 4 bar
Maximum Inlet Pressure (Pmax)	16 bar
Maximum Flow Rate (Mg)	12 Kg/h
Standard	EN 13785
CE Certification	CE-0085B00473
Product Dimensions (L x W x H)	18 x 11 x 7 cm
Item Weight	330 g

5. SETUP AND INSTALLATION

1. **Preparation:** Ensure the gas cylinder valve is closed. Verify that the regulator, hose, and appliance are compatible and in good condition, free from damage or blockages.
2. **Connect to Gas Cylinder:** Attach the regulator's inlet connection securely to the gas cylinder valve. Use an appropriate wrench to tighten the connection, ensuring a gas-tight seal. Do not overtighten.
3. **Connect to Appliance:** Connect the regulator's outlet to the gas hose leading to your appliance. Ensure this connection is also tight and secure.
4. **Leak Test:** After all connections are made, slowly open the gas cylinder valve. Apply a leak detection spray or soapy water solution to all connections. Bubbles indicate a leak. If a leak is detected, immediately close the gas cylinder valve, tighten the connection, and re-test. If the leak persists, do not use the regulator and seek professional assistance.
5. **Ventilation:** Always ensure the area is well-ventilated during installation and operation.

6. OPERATING INSTRUCTIONS

1. **Open Gas Supply:** Slowly open the valve on the LPG cylinder.
2. **Adjust Pressure:** The regulator features an adjustment knob on top. Turn the knob clockwise to increase the output pressure and counter-clockwise to decrease it. Adjust to the pressure required by your appliance (between 1 and 4 bar). Some regulators may have markings or a pressure gauge to assist with setting.
3. **Ignite Appliance:** Follow your appliance's instructions for ignition.
4. **Shut Down:** To turn off the gas supply, first close the valve on the LPG cylinder. Allow the gas in the hose and regulator to burn off or dissipate, then turn off the appliance.

7. MAINTENANCE

- **Regular Inspection:** Periodically inspect the regulator and all connections for signs of wear, damage, cracks, or corrosion. Pay close attention to the hose for kinks or abrasions.
- **Cleaning:** Clean the exterior of the regulator with a damp cloth. Do not use abrasive cleaners or solvents. Ensure no water enters the gas passages.
- **Storage:** When not in use for extended periods, disconnect the regulator from the cylinder and store it in a clean, dry, and well-ventilated area, away from direct sunlight and extreme temperatures.
- **Replacement:** Regulators have a limited lifespan. Consult local regulations or the manufacturer's recommendations for the appropriate replacement interval. Replace immediately if any damage is observed.

8. TROUBLESHOOTING

- **No Gas Flow:**
 - Check if the gas cylinder valve is fully open.
 - Ensure the gas cylinder is not empty.
 - Verify all connections are secure and free of leaks.
 - Check if the regulator's adjustment knob is set to a pressure above 0 bar.
- **Inconsistent Pressure:**
 - Ensure the regulator is correctly installed and not damaged.
 - Check for blockages in the hose or appliance.
- **Gas Leak Detected:**

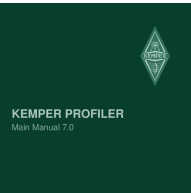


- Immediately close the gas cylinder valve.
- Tighten all connections.
- Re-test with leak detection spray. If the leak persists, discontinue use and replace the faulty component or seek professional help.


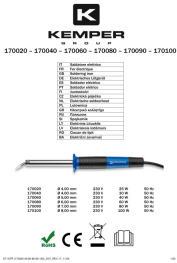
If you encounter issues not covered here or cannot resolve a problem, contact a qualified gas technician or the product supplier.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the point of purchase or contact your retailer. Keep your proof of purchase for any warranty claims.

Related Documents - 170312

	<p>KEMPER PROFILER Main Manual 7.0: Comprehensive Guide</p> <p>Explore the KEMPER PROFILER Main Manual 7.0 for detailed instructions on its features, controls, effects, and profiling capabilities. Learn to master your KEMPER PROFILER for studio and live performances.</p>
	<p>Kemper 104987SS SMART Portable Gas Stove Instructions</p> <p>Comprehensive guide for the Kemper 104987SS SMART portable gas stove, covering assembly, usage, maintenance, and safety precautions. Includes multilingual instructions and technical specifications.</p>
	<p>Kemper Outdoor Gas Stove Instructions - Assembly, Use, and Maintenance</p> <p>Comprehensive guide for Kemper outdoor gas stoves (Models 104980, 104981, 104982, 104983) covering assembly, safe operation, maintenance, and troubleshooting. Includes technical specifications and safety warnings.</p>
	<p>KEMPER Oxikit: Manuale d'Uso per Kit Saldatura Portatile</p> <p>Manuale d'uso completo per il kit saldatura portatile KEMPER Oxikit, che include istruzioni dettagliate per l'utilizzo, la manutenzione e la sicurezza dei modelli 555C, 555CA12, 555D, 555DA12, 555K, 555KA12, 555KM, 555KMA12, 555H400, 555H400K. Scopri come utilizzare al meglio il tuo kit KEMPER.</p>

	<p>Kemper 10500 Micro Torch - User Manual and Safety Instructions</p> <p>Comprehensive user manual and safety guide for the Kemper 10500 butane-powered micro torch. Includes detailed instructions on operation, refilling, safety precautions, and maintenance.</p>
	<p>Kemper Soldering Irons - Models 170020-170100 - User Manual & Safety Guide</p> <p>Comprehensive user manual and safety guide for Kemper soldering irons (models 170020, 170040, 170060, 170080, 170090, 170100). Includes specifications, usage instructions, maintenance, and disposal information.</p>