

EN Instruction manual



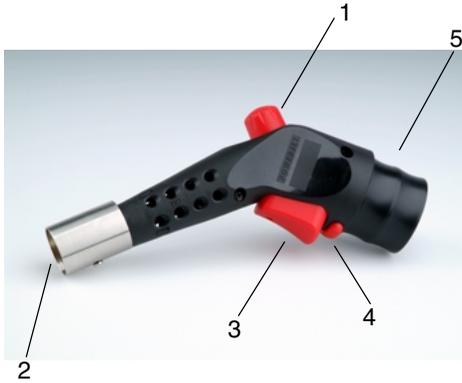
powerjet 2

economical
convenient
safe



EN 12864:2001

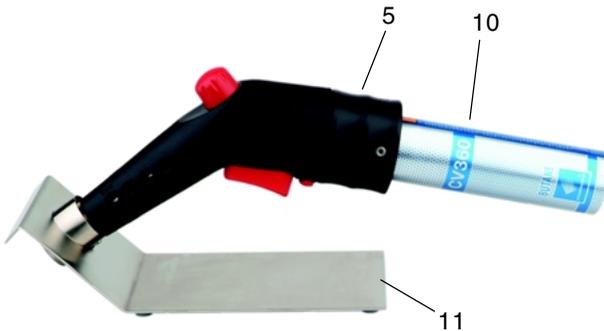




- 1 - Gas controller
- 2 - Flame orifice
- 3 - Trigger
- 4 - Locking device for continuous operation
- 5 - Handle (with cartridge holder for gas cartridge Camping Gaz CV360)



- 6 - Threaded adapter R 1/4" L
- 7 - Tubing connector with swivel nut
- 8 - Adapter CV360
- 9 - Sealing



- 10 - Gas cartridge CampingGaz CV360 (not included)
- 11 - Stainless steel stand

Read these instructions carefully to familiarize yourself with the product. Please retain these operating instruction for future reference.

Application: Mobile laboratory burner for heating and flame sterilizing

SAFETY PRECAUTIONS:

- **On unpacking the unit, check for possible transportation damages. Do not operate the unit if damages are visible.**
- **Pay attention to your relevant rules for using liquid gas.**
- **All gas connections must be adequately tightened (Left hand thread). Ensure gas proofness with a suitable test fluid / equipment. Do not seal up the swivel nut with Teflon tape etc.**
- **If there has been a leakage you have to be extra careful and evacuate the gas by ventilation.**
- **Do not check for leaks with a naked flame. Use soapy water only.**
- **Note that LP Gas is heavier than air. Therefore it can easily accumulate trenches or below ground level.**
- **Unattended operation of the unit is not permissible.**
- **Use the appliance on safe distance from walls and other combustible material.**
- **Do not operate the unit near flammable liquids or hazardous materials.**
- **Always work in a well-ventilated area.**
- **Before connecting a gas cartridge, ensure that the sealing (9) is in place and in good condition.**
- **Never use a unit with damaged or worn seal (9) and never use a leaking, damaged or malfunctioning unit.**
- **Always change or fit the gas cartridge in a safe place, away from any source of ignition such as naked flames, pilot lights, electric fires and away from other people.**
- **Allow sufficient time for flame orifice (2) to cool down prior to cleaning, disinfecting, servicing or transport. Ensure that the unit and the gas supply is turned off.**
- **Note that the burner orifice (2) remains hot after the flame has been extinguished. Do not touch. Can cause burns.**
- **After use or for any longer period of time without attendance, turn the gas supply off at the mains and ensure that the gas controller (1) is shut.**



The range:

powerjet 2

Art.No.: 6.006.000

Tubing connector with swivel nut

Stainless steel stand

Nozzle for natural gas (08),

Nozzle for propane/butane gas (06)

Box spanner

Adapter CV 360

Wrench 17mm, wrench 15mm,

Instruction manual, 2-year warranty

1. Setup Procedure:

The unit is shipped with the nozzle for propane/butane gas (06) and adapter CV 360 (8) installed (suitable for gas cartridges Coleman/CampingGaz part no.: #39352 (CV 360)). If necessary, the nozzle and the gas connection need to be changed for a different type of gas and gas supply.

1.1 Exchanging nozzle:

The nozzle is changed via the flame orifice (2) using a box spanner (included). Insert the box spanner into the flame orifice (2) and turn the unit upside down. This ensures that the nozzle cannot drop into the unit. Remove the nozzle by turning the box spanner counterclockwise. Replace it with the suitable nozzle (Nozzle 06 installed in the unit; Nozzle 08, attached to the wrench).

Nozzle 08 -> Natural gas

Nozzle 06 -> Propane- / Butane gas

Gas cartridge Coleman/CampingGaz part no.: #39352 (CV 360)

1.2 Gas cartridge connection:

The adapter CV360 (8) for gas cartridges Coleman/CampingGaz part no.: #39352 (CV 360) is pre-assembled. Ensure that the sealing (9) is in place and in good condition.

Remove the blue protective cap of the gas cartridge. Push the gas cartridge (10) into the handle (5) up to the stop-position. The stop position of the gas cartridge is reached by a audible "click". Be careful not to fit the gas cartridge (10) skewed.

Temperature range when using cartridges is +10°C to +35°C. (50°F to 95°F)

1.3 Connection to mains gas supply:

The unit can be connected to the mains gas supply when the gas pressure is within the range of 18 - 25 mbar for natural gas or 28 - 57 mbar for propane/butane gas. A DVGW-safety tubing for threaded screw connection (1/4") can be connected to the threaded adapter G 1/4" (6) of the powerjet 2 directly. For a DVGW-safety tubing with push-fit connection the connector with swivel nut (7, included) has to be mounted to the threaded adapter G 1/4" (6).

A DVGW-proven or other gas approved pressure regulator (50mbar) must be used for liquid gas.

Before mounting the tubing connector with swivel nut (7) (or DVGW-safety tubing for threaded screw connection) unscrew the handle (5) counterclockwise with your hand.

Then, dismantle the adapter CV360 (8) with the included wrenches. (Left hand thread, dismantling in clockwise direction). Use one wrench (Wrench size 15 mm) to hold the threaded adapter R 1/4" (6). Ease and unscrew the pre-assembled adapter CV360 (8) with the second wrench (Wrench size 17 mm).

Now, screw on the tubing connector with swivel nut (7) (or DVGW-safety tubing for threaded screw connection). Tighten the swivel nut counterclockwise. For this both wrenches have to be used, too. Use one wrench (Wrench size 15 mm) to hold the threaded adapter R 1/4" (6) and tight the swivel nut (7) with the second wrench (Wrench size 17 mm).

Finally screw on the handle (5) with your hand in clockwise direction.

All gas connections must be adequately tightened with two wrenches (SW 15 and SW 17, included). Ensure gas proofness with a suitable test fluid / equipment. Do not seal up the swivel nut with Teflon tape etc.

Pay attention to your relevant rules for using liquid gas.

2. Operating Procedure:

The burner orifice (2) remains hot after the flame has been extinguished. **Do not touch! Can cause burns.**

When the unit is in operation it must be turned away from one's body at all times and must not be directed towards others or highly flammable materials.

Upon using the unit for the first time or when changing the gas supply, turn the gas controller (1) once to the left. When using the standard gas supply, the gas source should now be opened.

The unit is ignited by **gradual pressure** on the trigger (3). Maintain pressure throughout the flame-off procedure. Disconnect the unit before leaving it unattended.

The flame can be varied in size by turning the gas controller (1).

The flame is extinguished upon release of the trigger (3).

The trigger (3) is equipped with a locking device (4). The locking device is pushed side wards when trigger (3) is pressed. To release locking device press trigger.

3. End of operation procedure:

After use or for any longer period of time without attendance, turn the gas supply off at the mains.

After use, ensure that the gas controller (1) is shut. (Turn the gas controller (1) in clockwise direction to the stop position). When using a gas cartridge disconnect it from the powerjet 2.

4. Exchanging the gas cartridge Coleman/CampingGaz part no.: #39352 (CV 360):

Ensure that the flame is extinguished, the burner has cooled down and no other flame is nearby. **Shut off the gas controller (1)** completely (Turn the gas controller (1) in clockwise direction to the stop position).

Pull the empty gas cartridge (10) out of the handle (5).

Check the sealing (9). Replace the sealing if damaged or worn (Sealing for powerjet 2, Art.-No. 6.006.010)

Remove the blue protective cap of the new gas cartridge. Push the gas cartridge (10) into the handle (5) up to the stop-position. The stop position of the gas cartridge is reached by a audible "click". Be careful not to fit the gas cartridge (10) skewed.

Temperature range when using cartridges is +10°C to +35°C. (50°F to 95°F)

5. Exchanging the gas connection:

Ensure that the flame is extinguished, the burner has cooled down and no other flame is nearby. Disconnect the gas supply. **Shut off the gas controller (1)** completely (Turn the gas controller (3) in clockwise direction to the stop position).

To mount the required gas connection adapter CV360 (8), tubing connector with swivel nut (7) or DVGW-safety tubing for threaded screw connection, unscrew the handle (5) counterclockwise with your hand.

Then, dismantle the current connection with the included wrenches. (Left hand thread, dismantling in clockwise direction). Use one wrench (Wrench size 15 mm) to hold the threaded adapter R 1/4" (6). Ease and unscrew the current connection with the second wrench (Wrench size 17 mm).

Now, screw on the required gas connection. Tighten it counterclockwise. For this both wrenches have to be used, too. Use one wrench (Wrench size 15 mm) to hold the threaded adapter R 1/4" (6) and tight the required connection with the second wrench (Wrench size 17 mm).

Finally screw on the handle (5) with your hand in clockwise direction.

All gas connections must be adequately tightened with two wrenches (SW 15 and SW 17, included). Ensure gas proofness with a suitable test fluid / equipment. Do not seal up the swivel nut with Teflon tape etc.

5. Routine service and maintenance

Ensure that the sealing (9) is in place and in good condition. Inspect every time you use the powerjet 2. Replace the sealing if damaged or worn (Sealing for powerjet 2, Art.-No. 6.006.010)

7. Warranty:

The powerjet 2 is covered under our two-year manufacturer warranty against any manufacture defects in material. The WLD-TEC warranty guarantees powerjet 2 under normal usage conditions and does not cover any damages as a direct result of user misuse. The warranty is void upon any unauthorized servicing, disassembly or modifications.

Technical Data

Type:		powerjet 2
Gas supply and consumption	Gas types:	natural gas E/LL, liquid gas II _{2ELL3B/F} 20 - 50 mbar Cartridge CV360, Camping Gaz (Camping Gaz / Coleman Part #: 39 352)
	Connected load:	0,13 kg / h liquid gas
Temperatures	Flame temperature:	1350 °C on liquid gas 1300 °C on natural gas (E)
	Temperature threshold level:	1,7 kW liquid gas 1 kW natural gas
Mechanical	Measurements:	W = 150 mm H = 210 mm
	Weight:	500 g

Notes



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