

CNCEST ZA52Q

CNCEST Tire Changer Air Pressure Regulator and Oil Water Separator

USER MANUAL

Model: ZA52Q

1. Introduction

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your CNCEST ZA52Q Tire Changer Air Pressure Regulator and Oil Water Separator. Please read this manual thoroughly before use and retain it for future reference.

The CNCEST ZA52Q is designed to regulate air pressure and separate oil and water from compressed air lines, ensuring clean and consistent air supply for pneumatic tools, particularly tire changers.

2. Important Safety Information

- Always ensure the air supply is turned off and depressurized before installation, maintenance, or any adjustments.
- Wear appropriate personal protective equipment (PPE) such as safety glasses.
- Do not exceed the maximum operating pressure of 16 Bar (230 Psi / 1.6 Mpa) or maximum temperature of 60°C (140°F).
- Ensure all connections are secure and leak-free before operating.
- Keep the product away from heat sources and open flames.
- Only use the product for its intended purpose as an air pressure regulator and oil/water separator.

3. Package Contents

Verify that all components listed below are present in your package:

- 1x CNCEST Tire Changer Oil Water Separator (Model ZA52Q)
- 1x Pressure Gauge

- 2x Mounting Brackets
- 3x Connectors
- 4x Screws



Figure 3.1: Main view of the CNCEST ZA52Q Air Pressure Regulator and Oil Water Separator. This image shows the complete unit with the pressure gauge, regulator knob, and two filter bowls.

4. Installation and Setup

1. **Prepare the Installation Area:** Choose a suitable location for mounting the unit, ensuring it is easily accessible for maintenance and monitoring.
2. **Mounting:** Use the provided mounting brackets and screws to securely attach the unit to a wall or sturdy surface. Ensure the unit is level.



Figure 4.1: Side view showing the mounting brackets on the CNCEST ZA52Q unit.

3. **Clean Connecting Pipes:** Before connecting, clean any dirt or debris from the connecting pipes and fittings to prevent contamination of the air system.

4. **Connect Air Lines:**

- Connect the incoming compressed air line to the inlet port of the separator.
- Connect the outgoing air line to your pneumatic tool (e.g., tire changer) from the outlet port.

Important: When installing, ensure that the direction of the airflow corresponds to the direction of the arrow indicated on the product body. Incorrect flow direction can impair performance.



Figure 4.2: Close-up view of the air inlet/outlet section, highlighting the connection points and potential flow direction markings.

5. **Install Pressure Gauge:** Screw the pressure gauge into its designated port on the regulator.
6. **Check for Leaks:** After all connections are made, slowly turn on the air supply and check for any leaks using soapy water. Tighten connections as necessary.

5. Operation

1. Adjusting Air Pressure:

- To adjust the output air pressure, pull up the orange knob on top of the regulator.
- Turn the knob clockwise to increase pressure and counter-clockwise to decrease pressure.
- Monitor the pressure gauge to set the desired output pressure.
- Once the desired pressure is set, push the knob down to lock it in place.



Figure 5.1: The regulator knob (orange) and pressure gauge for adjusting and monitoring air pressure.

2. Monitoring Oil and Water Levels:

The transparent bowls allow for visual inspection of accumulated water and oil. The bowl with visible holes protects the cup and facilitates observation of the volume of water and oil.

6. Maintenance

- **Draining Water:** The unit features manual drainage. You must drain the accumulated water when its level exceeds the upper limit indicated on the bowl. This prevents water from entering your pneumatic tools.
- **Cleaning:** Periodically clean the exterior of the unit with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Filter Replacement:** While not explicitly detailed, air filters typically require periodic inspection and replacement. Refer to manufacturer guidelines for filter element lifespan.
- **Lubricator (if applicable):** If your model includes a lubricator, ensure the oil level is maintained to provide lubrication to downstream pneumatic tools.

7. Troubleshooting

Problem	Possible Cause	Solution
No air flow or low pressure output	Air supply off or insufficient Regulator knob not adjusted correctly Clogged filter element Incorrect airflow direction	Check air compressor and supply lines Adjust regulator knob (pull up, turn, push down) Inspect and replace filter element Verify installation direction matches arrow on unit
Water or oil in output air	Water/oil bowl full Separator not functioning correctly	Manually drain the water/oil bowl Inspect separator for damage or blockages
Air leaks from connections	Loose fittings Damaged seals/O-rings	Tighten all connections Inspect and replace any damaged seals or O-rings

8. Specifications

Brand	CNCEST
Model Number	ZA52Q
Material	Plastic
Color	Silver
Product Dimensions (L x W x H)	20.7 x 12.1 x 3.7 cm (8.15 x 4.76 x 1.46 inches)
Type	Lower Air Outlet
Drainage	Manual
Max. Pressure	16 Bar / 230 Psi / 1.6 Mpa
Max. Temperature	60°C / 140°F
Gross Weight	0.72 kg / 1.58 lbs



Figure 8.1: Product dimensions of the CNCEST ZA52Q unit.

9. Warranty and Support

Specific warranty information for the CNCEST ZA52Q is not provided in this manual. For details regarding warranty coverage, technical support, or replacement parts, please refer to the manufacturer's official website or contact your point of purchase.

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Example: How do I reset this device or fix this error?

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