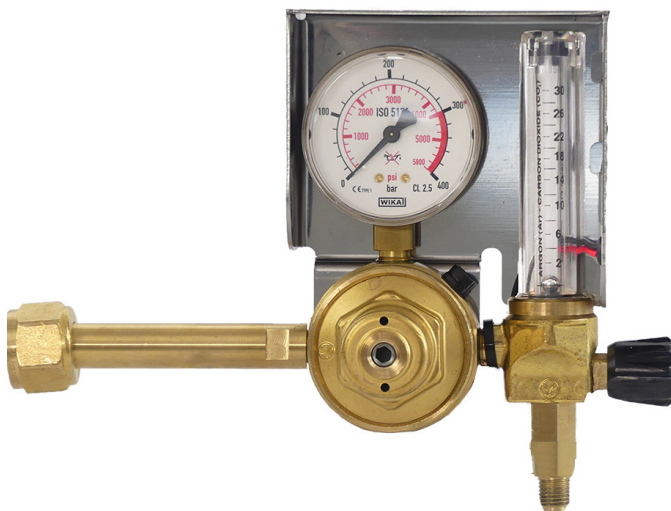




PRG-125

Nitrogen regulator with 30 L/min
flowmeter



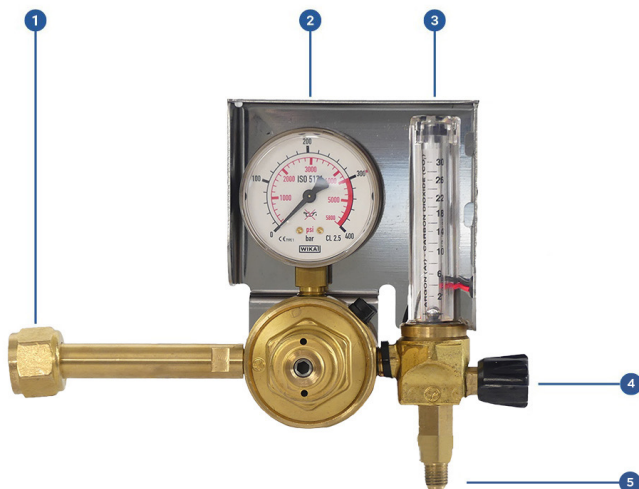
User guide

⚠ WARNING : Before using the regulator, carefully read these instructions and keep them for future reference. They provide all necessary information for correct use while avoiding risks to the user and damage to the equipment.

DECK912 declines all direct or indirect responsibility for accidents caused by improper use of the regulator or by modifications made to it.

1. PRODUCT DESCRIPTION

1.1 OVERVIEW



1. Inlet connection

2. Pressure gauge

3. Flowmeter

4. Outlet valve

5. 1/4" SAE connection

1.2 SPECIFICATIONS

- **Inlet pressure** : 300 bars
- **Outlet pressure** : 3,5 bars
- **Outlet flow rate** : 0-30 l/min

The outlet pressure is factory preset. Do not attempt to modify it.

2. FONCTIONNEMENT ET DOMAINE D'UTILISATION

The function of the pressure regulator is to stabilize the gas pressure by reducing it from the cylinder pressure to the pressure required for use.

The regulator includes a flowmeter allowing adjustment of the outlet flow from 0 to 30 liters per minute.

The PRG-125 regulator has been specifically designed for nitrogen supply to installations during brazing operations.

3. INSTALLATION

Connecting the regulator

1. Check that the regulator shows no signs of impact and that the pressure gauge, flowmeter, and outlet valve are not damaged.
2. Verify the proper functioning of the pressure regulator before use.
3. Check that the regulator indicates the type of gas and cylinder pressure to be used.
4. Turn the adjustment screw (4) clockwise to ensure the regulator outlet is closed.
5. Replace the cylinder connection seal if damaged or missing, using an appropriate tool.
6. Before screwing in the pressure regulator, quickly open and close the cylinder valve to remove any impurities, optionally using compressed air. Be careful to point the cylinder valve outlet toward the wall and perform this operation away from heat sources. During this operation, it may be dangerous to stand or place your hand in front of the cylinder valve.

7. Mount the regulator with the pressure gauge facing the operator.
8. Screw the inlet connection (1) to the cylinder outlet, tightening fully using an appropriate tool (do not use pliers).

Note : In the event of even accidental dropping of the cylinder, check the proper functioning of the regulator and the container; if necessary, contact the supplier.

Connecting hoses to the installation

9. Connect the hose to the outlet connection (5) - only use compliant hoses.

Checks required before use

Once the installation is complete, perform the following checks:

- Verify that there are no gas leaks from the regulator or connections using a bubble solution or appropriate detector.
- Perform leak tests in ventilated areas. Never use a flame — use soapy water or an appropriate leak detector.
- Spray the regulator in the area to be checked.
- Gas leaks are indicated by the formation of bubbles or foam.
- Clean residues on the regulator before use.
- In the event of gas leaks from the regulator, check that all seals are appropriate and present at all inlet and outlet connection points after pressure has been released.
- All regulator seals have already been checked at the factory; however, it is recommended to verify them after installation with the hose seals. Perfect sealing is essential for commissioning the device.

4. USE

1. Ensure the installation has been completed according to this manual.
2. Adjust the flow using the outlet valve (4).
3. Keep the flowmeter (3) open for the entire brazing operation.

After use :

1. Close the gas cylinder.
2. Disconnect the supply hose from the installation.
3. Drain the regulator by opening the valve (4)
4. Once drained, close the outlet valve (4).
8. Disconnect the regulator from the gas cylinder.
6. Store the regulator and accessories in its case.

5. MAINTENANCE

- The regulator must be kept as a precision instrument.
- If not used for long periods, store it in protective packaging (preferably the original box) to protect against accidental impacts and contact with dust, oil, or other impurities.
- Clean the regulator with a soft cloth. Do not use chemical or abrasive cleaners.

6. AFTER-SALES SERVICE

The PRG-125 regulator is not intended to be repaired by unqualified personnel. In case of malfunction, do not attempt to repair it and return it to the supplier for service.

7. PRECAUTIONS

- The regulator is only designed for use with nitrogen.
- It must not be used with any other type of gas or with an input pressure exceeding 300 bars.
- Its use is reserved for qualified professional personnel.
- The pressure regulator must be used as a precision instrument and protected from accidental impacts, dust, oil, or other impurities.
- Do not use the regulator if it is not functioning properly.
- Do not modify the factory-set pressure adjustment.
- Gas withdrawal must only be from vertical cylinders protected against falling.
- Do not expose the pressure regulator to direct sunlight or weather conditions.

- Smoking near pressurized containers is prohibited.
- Keep out of reach of children.
- For safety, a pressure relief valve is installed in the regulator.
- In case of malfunction, this valve releases excess gas pressure outside. Do not alter the calibration of the relief valve.

8. WARRANTY

The regulator is guaranteed in our workshops against any manufacturing or operational defects for two years from the date of purchase invoice.

Explicitly excluded from the warranty :

- Any disassembly or modification of the product.
- Breakage of the pressure gauge or flowmeter due to a fall.

Notes :

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N.B. LINSTRUMENT reserves the right to make changes without prior notice.