

Operation Manual

Single-stage Gas Pressure Reducer

62445-62449



Illustration similar, may vary depending on model

Read and follow the operating instructions and safety information before using for the first time.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ insignificantly.

Updating the documentation

If you have suggestions for improvement or have found any irregularities, please contact us.



The information contained in this document may alter at any time without previous notice. It is prohibited to copy or spread any parts of this document in any way without prior written allowance. All rights reserved.

The WilTec Wildanger Technik GmbH cannot be held accountable for any possible mistakes in this operating manual, nor in the diagrams and figures shown.

Even though, the WilTec Wildanger Technik GmbH has undergone biggest possible efforts to ensure that the operating manual is complete, faultless, and up to date, mistakes cannot be entirely avoided.

If you should find a mistake or wish to make a suggestion for improvement, we look forward to hearing from you.

Send an e-mail to:

service@wiltec.info

or use our contact form:

<https://www.wiltec.de/contacts/>

The most recent version of this manual in various languages can be found in our online shop via:

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler
Germany

Do you wish to pick goods up? Our pick-up address is:

WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler
Germany

To shorten the waiting time and allow for a rapid on-site transaction, we ask you to call us previously or placing your order via the webshop.

E-mail: service@wiltec.info

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15

To return orders for exchange, repair, or other purposes, please use the following address. Attention! To allow for a smooth execution of your complaint or return, it is important to contact our customer service team before returning the goods.

Returns Department
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler

E-mail: service@wiltec.info

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15

Introduction

Thank you for purchasing this quality product. **To minimise the risk of injury we urge that our clients take some basic safety precautions when using this device. Please read the operation instructions carefully and make sure you have understood its content.**

Keep these operation instructions safe.

Instructions for use and mounting

The single-stage pressure reducer for liquid gas ensures that the outlet pressure remains constant within defined limits regardless of fluctuations in the inlet pressure. The pressure reducer is screwed directly onto the cylinder valve. Please note that the gas cylinder must always stand vertically. The following assembly, operating and control instructions must be carefully observed.

Technical specifications (I)

Operating medium	Liquid gas (gaseous) according to DIN51622 / DIN EN 589
Inlet	Connection for pressurised gas cylinders with a filling weight of up to 11 kg according to DIN EN 16129 ANNEX H
Outlet	Hose line; the outlet pressure is fixed at 50 mbar (see nameplate)
Thread	¼ A-LH-KN connection piece with 45° inner cone

Use and mounting

- Before installation, the pressure reducer must be checked for damage during transport and that it is undamaged.
- The hose may only be installed with an open-end wrench of the appropriate size.
- Before installation, a safety check must be carried out for any metal chips or other residues in the connections. Metal shavings or residues must be removed to exclude possible malfunctions.
- Mount the pressure reducer without any tension (without bending tensions or turning the pressure reducer).
- The seals must always be kept clean and installed undamaged.
- Only screw the wing nut and knurled nut of the pressure reducer onto the manual valve by hand. Do not use any tools for this.

Leak test

To do this, close all shut-off valves on the end-user device and open the cylinder valve. Then check all connection points with the help of soapy water. Never check for leaks with a flame!

Commissioning

The pressure reducer is ready for operation immediately after installation and a successful leak test. Commissioning is carried out by opening the cylinder valve in the direction of the arrow. The gas cylinder must not be moved during operation.

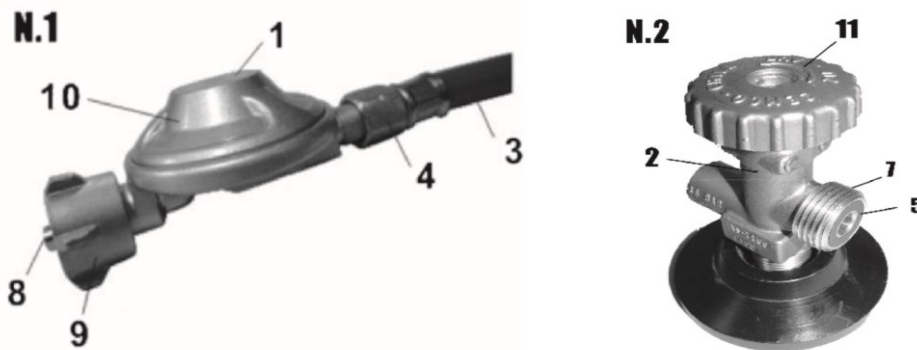
- Always protect the pressure reducer adequately from the effects of the weather.
- Replace the pressure reducer within 10 years counted from the date of manufacture on.
- If the installation has not been installed for a long period, the cylinder valve must be closed.
- Liquid gas is an extremely flammable fuel gas! Applicable laws and regulations must be complied with.

- Decommissioning: Close the cylinder valve in the direction of the arrow.

Connecting the pressure regulator to the consumer device

- Mount a rubber hose according to EN16436 or DIN4815-2 with a connecting nut or a PVC hose according to DIN 4815 (3) with a connecting nut on the external thread of the pressure reducer. Then connect the opposite end of the gas hose to the consumer device.
- The gas hose connection nuts (4) should be tightened with an open-end wrench to ensure a tight connection between the pressure reducer and the end-use device. Always check the tightness of the connection point with soapy water.

This pressure regulator is not suitable for campers and caravans.



Mounting the pressure regulator on the gas cylinder

- Please ensure that
 - all gas taps on the end-use device are closed;
 - the connection to the consumer device is correctly connected.
- Remove the protective cap from the handwheel valve. Make sure that there is no open flame nearby. After you have ensured that the sealing ring (5) at the valve outlet (7) is present and fully functional, tighten the connecting nut (9). Note the direction of rotation in the direction of the arrow shown (10).
- The connection nut should be tightened moderately, but a tight connection must be ensured. Please check the connection in any case using soapy water. To screw the connecting nut, hold the pressure reducer and turn the connecting nut. The pressure reducer should never be turned at the same time!

Operating the pressure reducer

If the regulator has been installed correctly, the gas is supplied by turning the handwheel in the direction of the arrow (11) on the handwheel valve. To stop the gas supply, turn the handwheel in the opposite direction.

Replacing the gas cylinder

Please ensure that

- all gas taps on the end-use device are closed;
- the handwheel valve is closed.

Then remove the regulator by loosening the connecting nut (9).



1. In normal state of use, to ensure that the assembly is carried out correctly, it is recommended that this device be replaced every 10 years from the date of manufacture.
2. If the regulator is downstream of other regulators, the supply pressure must be highest at the top of the chain and steadily decrease as it passes through the chain.
3. The pressure loss of the upstream installation must not exceed the value marked on the device.
4. For regulators that are supplied directly with tank or cylinder pressure and are not connected directly to the outlet of the tank or cylinder valve, the following applies: "This regulator should not be positioned lower than the tank or cylinder outlet valve to prevent gas vapours that may have liquefied again when draining into the regulator. Pipes and hoses that were used to connect to the outlet of the regulator must drop continuously towards the tank or cylinder."

Technical specifications (II)

Model	A300i and A310i				
Gas type	Butane	Propane		Propane	
Inlet pressure (bar)	0.3–7.5	1–16		1–16	
Nominal output pressure (mbar)	28–30	37		50	
ΔP_2 (mbar)	2	2		–	
ΔP_5 (mbar)	–	–		5	
Operating temperature (°C)	0–50	-20–50		-20–50	
Power ($\frac{kg}{h}$)	1.5				
Inlet connection	G1, G2, G4, G5, G6, G7, G8, G9, G10, G11, G12, EN417-7/16				
Output connection	H1, H4, H50, H51				
Propane gas hose length (cm)	62445	62446	62447	62448	62449
	100	150	200	80	none

Important notice:

The reprint or reproduction, even of excerpts, and any commercial use, even in part, of this instruction manual require the written permission of Witec Wildanger Technik GmbH.