

 Air Liquide

Qlixbi

Qlixbi User Manual

Connector Models C230, C300, S230, S300,
R (compatible for 230 and 300 bar)



Learn how it works.

ENERGAS

an Air Liquide company

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Before using the Qlixbi cylinder and the Qlixbi connector, please read the user manual carefully and follow all the necessary instructions.



For your safety

Before using the equipment for the first time, read the safety instructions in "For Your Safety" (pg.5).



Help

If you have any questions, please refer to page 22 'customer support - contact details'.



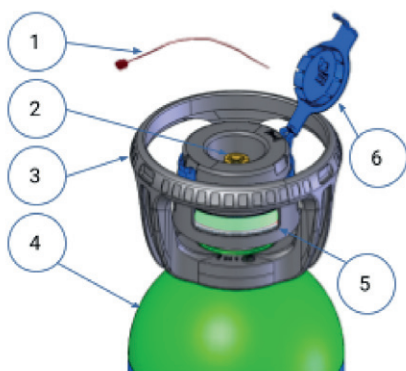
Important Note

To get the most from your Qlixbi cylinder package, please be sure to read and follow all instructions carefully. Energas reserves the right at any time to change technical contents without prior consent. Energas cannot be held responsible for an inappropriate use of the product. The Qlixbi cylinder and the Qlixbi connector are the properties of ENERGAS.

1.

Overview and Description

Qlixbi is a gas supply system consisting of the components pressurised gas cylinder and connector. The Qlixbi connectors are only intended and approved for installation on Qlixbi cylinders and only for Argon, other inert gases and inert mixtures (oxidising and flammable mixtures are excluded). These product are not intended for any other installation or purpose. If the product user has any questions regarding this product's proper application or purpose, the product user should call ENERGAS. Any non-approved use or application and/or any non-approved modification of the product may result in a serious accident or personal injury for which Energas will not be responsible.



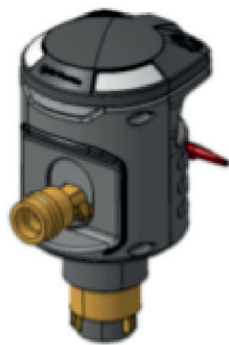
Qlixbi cylinder

1. Warranty seal (optional)
2. Docking port
3. Wheel
4. Cylinder
5. Reserve indicator
6. Cover cap (uncap but do not remove)

Qlixbi C and S connectors



Qlixbi C



Qlixbi S

Qlixbi R connector

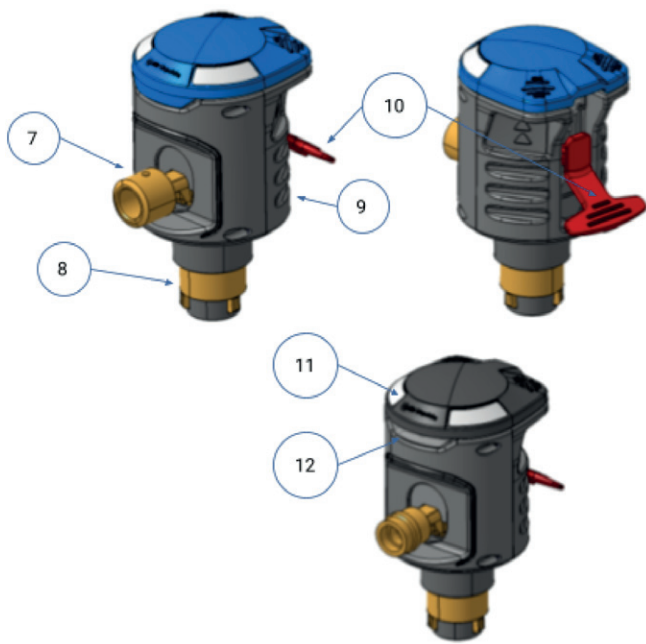


Qlixbi R



Important Note

Classic version has a blue cover; Smart version has a Grey cover.



Qlixbi C or S connector

- 7. Outlet connection
- 8. Inlet connection
- 9. Unlocking ring
- 10. On/Off Lever
- 11. Customizable label
- 12. LED indicator (smart versions only)



Qlixbi R connector

- 13. Outlet connection
- 14. High pressure gauge
- 15. Flow gauge
- 16. Inlet connection
- 17. Regulator handwheel

2.

For your safety

- All users must comply fully with all applicable national or local laws, rules or regulations.
- Anyone using this product must be thoroughly familiar with these instructions and other applicable product instructions and manuals.
- Store and use pressurised gas cylinders only in well-ventilated areas.
- Failure to follow any instructions or warning within this instruction manual or on any product label may result in a serious accident involving either personal injury, property damage or both.
- Use only genuine Qlixbi branded equipment and/or accessories. The Qlixbi connectors are designed and approved for installation on Qlixbi cylinders. This product is not intended for any other installation or purpose. Only Qlixbi branded equipment and accessories certified by Air Liquide and brought to you by Energas specifically for use with your Qlixbi cylinders are engineered and proven to operate within its operational and safety requirements.
- Qlixbi cylinders are only to be refilled by Energas.
- Cylinder must be secured/fixed to avoid risk of fall and/or injury.
- Do not rotate the connector when under pressure.

THE USE OF NON-QLIXBI ACCESSORIES COULD DAMAGE YOUR EQUIPMENT AND MAY VOID YOUR ENERGAS WARRANTY.



Warning

- Do not operate the On/Off Lever of the Qlixbi C or S connector when it is coupled to a cylinder without a regulator.
- Do not roll or crane a cylinder with a Qlixbi connector coupled to a cylinder.
- Lifting by crane is to be limited to a maximum height of 1 metre.
- Do not transport cylinders in vehicles with a Qlixbi connector coupled to a cylinder.
- Do not use the reserve indicator as a handling device to manipulate the cylinder.
- Do not use a deformed or damaged connector or docking port.
- Do not expose the connectors or docking ports of the cylinders to any violent movements or collisions with other items.
- The cylinders and the connectors under pressure must be removed from close proximity to any ignition sources (sparks or persons smoking etc.). Never heat a cylinder or a connector on a naked flame.
- Always use personal protective equipment as per local and applicable regulation.

Electrical safety, for the smart versions of connectors (Qlixbi S230 and S300)

The smart connectors have battery-operated electrical components that enable data communication via a low-power wide-area network. Basic safety precautions should always be followed when using smart connectors to reduce the risk of fire, electrical hazard, and personal injury.

- If the smart connector is damaged, it must be replaced by the manufacturer or its service agent in order to avoid any hazard.
- Do not use the smart connector in an area classified as potentially explosive according to the ATEX directive or local equivalent regulation.



Warning

- Do not immerse in water or other liquids, in order to avoid electrical hazards or damage to the connector. The smart connectors are rainproof for normal weather conditions: protection class IP65.
- Do not place objects on top of the connector. Unauthorised use and technical modifications to the connector can lead to danger to life and health.
- Do not push any non-Qlixbi accessories into the connector.
- Do not disassemble the connector.
- Do not remove the cylinder wheel as it protects the cylinder valve or remove the reserve indicator.

3.

How to use your products

3.1 — GENERAL INSTRUCTIONS

- Check there are no objects/particles (sand/mud/leaves...) inside the Reserve Indicator that could prevent the connection before the coupling of a Qlixbi connector with a cylinder.
- Check that the docking port and the Qlixbi connector are clean and without damage. Remove dirt with a soft, dry cloth.
- Qlixbi C or S connector: the pressure regulator must be screwed and unscrewed on the Qlixbi C or S connector when the Qlixbi connector is not coupled to the cylinder (see chapter 3.2.1).
- After uncoupling the Qlixbi connector, systematically close the cover cap of the cylinder on the reserve indicator.
- Always close the On/Off Lever of the Qlixbi when not using gas.
- Use only materials in perfect condition and compatible with the type of gas used and in accordance to the specified operating pressures and the desired flow rates.
- The users should inform Energas, its service agent or distributor, about any incidents and supply them any defective equipment for checking and analysis.
- Energas accepts no responsibility when the product is used in any other applications for which it has not been designed.
- The user is responsible for any accidents and bodily injury, material or immaterial, direct or indirect, resulting from improper assembly or inadequate maintenance.



Warning

- Do not use a high pressure jet to clean the cylinder, and or Qlixbi connector.
- Do not grease the docking port or the Qlixbi connector.
- Do not use Teflon tape or paste to seal the connections.
- Never use corrosive substances or ammonia or any leak detector containing such substances.
- Do not alter the markings.

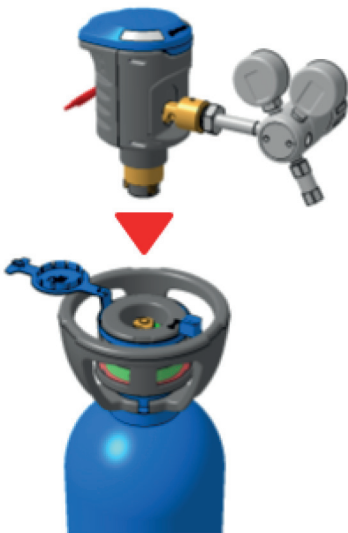
3.2. QLIXBI C OR S CONNECTOR

3.2.1 — BEFORE 1st USE: ATTACH YOUR REGULATOR



- Make sure equipment is clean and free from damage.
- Make sure the On/Off Lever of the Qlixbi connector is closed (red lever down).
- Work area should be clean (without dust, grease, particles and liquid).
- Install the regulator at the outlet of the Qlixbi connector by tightening the fitting according to the regulator instructions **(The fittings must be clean)**.
- A support point shall be obtained by inserting a 14 mm spanner upstream of the outlet fitting of the Qlixbi connector; Use of such spanner will prevent damage to the Qlixbi connector while ensuring a satisfactory tightness of the pressure regulator, especially with metal to metal sealing.
- Handle counterclockwise the pressure regulator knob.

3.2.2 — COUPLE THE CYLINDER



1. Before you start to couple the connector to the cylinder, select a well ventilated area, preferably in an area protected from the effects of bad weather.
2. Make sure your equipment is clean and in good condition (If necessary, clean the docking port and Qlixbi inlet connection with a clean dry cloth only).
3. If the cylinder is new, break the warranty seal on the cover cap if any.
4. Open the cover cap and check the cleanliness of the docking port (if necessary, clean it with a clean, dry cloth).
5. Check there are no objects inside the reserve indicator that could prevent the connection.
6. The On/Off Lever must be in the closed position.
7. Direct the Qlixbi connector to the top of the docking port and press firmly downwards on the top of the connector. Ensure you attach the Qlixbi connector vertically.
8. The Qlixbi connector rotates through 360° so you can position the regulator in any direction.



Warning

For safety reasons, in case of incomplete coupling, the On/Off Lever is automatically locked.

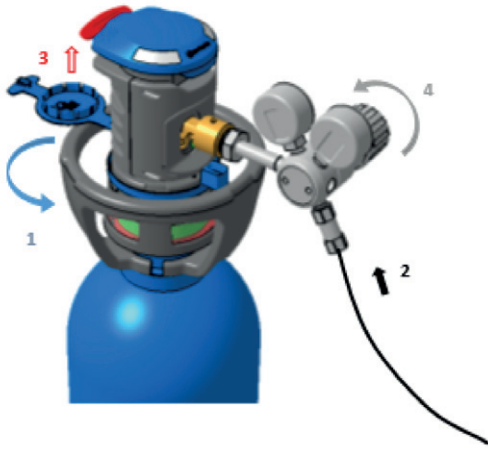
In this case, do not apply force to the lever.

Repeat the complete sequence:

- Make sure there is no blocking element (particles, etc) around the docking port or in the Qlixbi inlet connection.
- Direct the Qlixbi connector to the top of the docking port (vertical approach) and press firmly.
- If the On/Off Lever is still locked, call Energas.

3.2.3 — TURN THE GAS ON AND OFF

TURN THE GAS ON



1. Orientate the Qlixbi connector.
2. Connect the outlet of the regulator according to the instructions of the regulator.
3. Lift the On/Off Lever of the Qlixbi connector up, this action opens the cylinder valve.



Warning

If the lever is locked, don't force the lever, there is a safety function to avoid gas opening if the coupling is incomplete, please refer to the troubleshooting section.

4. Turn clockwise the handwheel of the regulator.
5. Check for leaks on the gas connections using a proprietary leak detection fluid which does not contain ammonia.



Important Note

The cover cap and the connector can rotate at 360°. Rotation of the connector has to be done before turning on the gas by using the On/Off lever. Do not rotate the connector under pressure.

TURN THE GAS OFF



By pushing the lever downward, this action closes the cylinder valve.

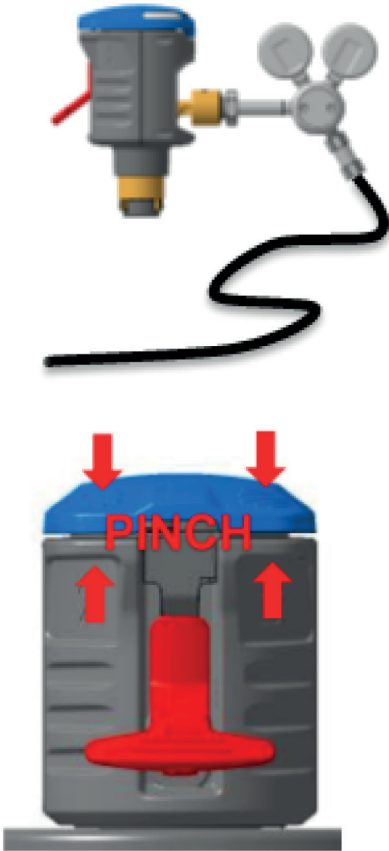


Warning

When the lever is opened, the unlocking ring is automatically locked and consequently, it is not possible to uncouple the connector from the cylinder. Do not force on the unlocking ring to disconnect.

Risk of damage

3.2.4 — UNCOUPLE THE CYLINDER



After closing the lever and allowing the regulator to purge the gas through connected equipment such as welding torches (refer to the regulator user manual), turn the regulator off, unclip the Qlixbi connector vertically by pinching the unlocking ring and cover. (During this step, the Qlixbi connector is purged automatically).



Important Note

During the uncoupling process a noise due to the gas purge may occur. This noise is normal and will cease when the connector is released.



Tips

When the cylinder pressure is above 250 bar, it may be more difficult to uncouple the connector of the cylinder due to the purge. To make this operation easier, it is advised to purge the connector through the welding machine and/or the welding torch. In case of difficulties, refer to the troubleshooting section.

- The disconnection is only possible when the purge process is completed.

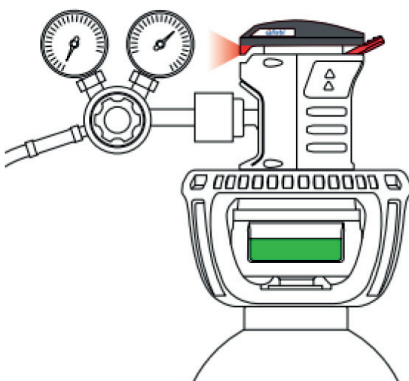


Warning

- During this step the weight of the regulator might topple the connector over when disconnecting - Be sure to hold the connector and the regulator.
- In any case, never apply excessive force on the connector to uncouple it from the cylinder.

- No need to unscrew the regulator, the Qlixbi connector can be kept with the regulator fixed.
- The Qlixbi connector must be kept in a dry place and protected from dust.
- Replace the cover cap of the cylinder on the reserve indicator after usage.

3.2.5 — SPECIFIC TO QLIXBI SMART CONNECTORS (S230 and S300 models)



When the On/Off Lever is lifted, the led indicator flashes after a few seconds.

LED glows green when your Qlixbi is online and ready to transmit data.

LED glows red when the data transmission doesn't work.

Please refer to the troubleshooting section or contact your Energas customer support.

3.3. QLIXBI R CONNECTOR

The Qlixbi R connector has a built-in regulator.

3.3.1 — COUPLE THE CYLINDER



1. Make sure your equipment is clean and in good condition (If necessary, clean the docking port and Qlixbi R inlet connection).
2. If the cylinder is new, break the warranty seal on the cover cap.
3. Open the cover cap and check the cleanliness of the docking port (if necessary, clean it with a clean, dry cloth).
4. Check there are no objects inside the reserve indicator that could prevent the connection.
5. The On/Off Lever must be in the closed position. (It's not possible to open the lever when the Qlixbi R is not coupled).
6. Direct the Qlixbi connector to the top of the docking port and press firmly downwards on the top of the connector. Ensure you attach the Qlixbi connector vertically. The Qlixbi R clicks into the cylinder.
7. The Qlixbi connector rotates through 360° so you can position the Qlixbi R in any direction.



Warning

For safety reasons, in case of incomplete coupling, the On/Off Lever is automatically locked.

In this case, do not force on the lever.

Repeat the complete sequence:

- Make sure there is no blocking element (particles, etc) around the docking port or in the Qlixbi inlet connection.
- Direct the Qlixbi connector to the top of the docking port (vertical approach) and press firmly.
- If the On/Off Lever is still locked, call Energas.

3.3.2 — ATTACH THE GAS HOSE (OR AN ACCESSORY)



- Plug the outlet of the Qlixbi R with welding hose equipped with a female quick coupling (According to ISO7289).
- Option: Plug a compatible quick connect supplied by Energas.

3.3.3 — TURN THE GAS ON AND OFF

TURN THE GAS ON



1. Your Qlixbi rotates through 360° so you can adjust the position for the best setting.
2. Lift the On/Off Lever of the Qlixbi connector up, this action opens the cylinder valve.
3. The content gauge shows the cylinder pressure.



Important Note

The cover cap and the connector can rotate at 360°. Rotation of the connector should preferably be done before to open the On/Off Lever.



Warning

If the lever is locked, don't force the lever, there is a safety function to avoid gas opening if the coupling is incomplete, please refer to the troubleshooting section.

TURN THE GAS OFF



By pushing the lever downward, this action closes the cylinder valve.



Warning

When the lever is opened, the unlocking paddles are automatically locked and consequently, it is not possible to uncouple the connector under pressure from the cylinder. Do not force on the paddles to disconnect.

Risk of damage

3.3.4 — SET THE GAS FLOW RATE

FLOW RATE SETPOINT ADJUSTMENT



1. Turn clockwise the handwheel of the Qlixbi R regulator to precisely set the gas supply.
2. Torch trigger press (or gas purge button on the customer's process) to adjust the flow dynamically.
3. Check the tightness on the gas circuit.



Important Note

The read flow value is related to Argon 100% (Arcal Prime). For other gas mixtures an appropriate conversion factor must be applied (see related table below).

TABLE of GAS FLOW RATE conversion per GAS MIX.

Gas name	Gas mixture	Conversion factor
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ARCAL Reference line

ARCAL PRIME	AR 100%	1
ARCAL Chrome	Ar & 2% CO ₂	1
ARCAL Speed	Ar & 8% CO ₂	1
ARCAL Force	Ar & 18% CO ₂	1

ARCAL Technical line

ARCAL M 14	Ar & 1% O ₂ 3% CO ₂	1
ARCAL M 24	Ar & 2% O ₂ 12% CO ₂	1

3.3.5 — UNCOUPLE THE CYLINDER



- Check the red lever is firmly in the down position.
- Push up the Qlixbi R paddles at the top of the connector by pinching the paddles and the cover, and uncouple vertically the Qlixbi R from the cylinder.
- At this step, the Qlixbi connector is purged automatically, a noise may occur.



Important Note

During the uncoupling process a noise due to the gas purge may occur. This noise is normal and will cease when the connector is released.



Tips

When the cylinder pressure is above 250 bar, it may be more difficult to uncouple the connector to the cylinder due to the purge. To make this operation easier, it is advised to purge the connector through the welding machine and/or the welding torch. In case of difficulties, refer to the troubleshooting section.

- The disconnection is only possible when the purge process is completed.



Warning

Be sure to maintain the Qlixbi R by the paddles during the uncoupling phase.

In any case, never apply an excessive strength on the connector to uncouple it from the cylinder.



- Your Qlixbi connector stays with you. Simply re-couple your Qlixbi to a new cylinder, or store your Qlixbi in a dust-free, dry place. Preferably, turn the flow rate to 0 before re-coupling your Qlixbi to a new cylinder.
- Replace the cover cap of the cylinder on the reserve indicator after usage.

3.5 — RESERVE INDICATOR

The indicator is a low content visual warning. It is binary. It turns red when the reserve is reached, when gas is starting to run low.



Green

Cylinder with gas content and pressure



Red

Cylinder with low gas content and pressure

3.6 — HANDLING THE CYLINDER

- The cylinder has to be rolled **WITHOUT** a Qlixbi connector.
- Move your cylinder using the ergonomic valve guard wheel. Never handle the cylinder by using the reserve indicator.
- When rolling the cylinder, always hold it with 2 hands.
- Ensure that the gas cylinders are installed on a smooth and level surface and that the cylinders are attached to storage brackets or racks. This will prevent risk of falling.



3.7 — CRANING THE CYLINDER



- Under **NO** circumstances should the equipment be lifted with the connector coupled.
- An appropriate and safe snap hook or strap or sling should be used to lift the packaged gas equipment.
- Lifting the cylinder using a workshop crane shall be limited to a **max height of 1 metre** above the ground.
- Slings of the cylinder above personnel and other equipment is forbidden.
- Guiding of the cylinder during the slinging is mandatory to limit its swinging.
- Lifting (equipment, conditions...) is under the customer's liability.
- During lifting, special care should be taken not to damage the Qlixbi cylinder package, in particular no lifting equipment should come in contact with the valve or its accessories (e.g. reserve indicator) and no lifting shall be done with the connector coupled.
- Make sure your equipment is in good condition i.e. valve guard not damaged and well fixed.

3.8 — STORE THE CONNECTOR

- Use suitable packaging to protect the Qlixbi connector against exterior pollution during storage and transport.
- Store the Qlixbi connector safely from dust and moisture, by temperature range between -20°C and +65°C.

4.

Maintenance

4.1 — PROCEDURE TO CLEAN THE PRODUCTS

- Do not use a high pressure jet to clean the Qlixbi cylinders and connectors.
- Use a soft, dry cloth (not wet) to clean the plastic and metal surface.
- Never use petrol, benzene or any other chemicals to clean the connectors.
- Never use corrosive substances or ammonia or any leak detector containing such substances.
- If the connector will not be used for a long period of time, store it in a dry place.



Maintenance and Repairs

Please contact Energas customer support if you think your Qlixbi connector or cylinder is faulty. Qlixbi products should only be repaired by an Energas authorised person. Please do not attempt any repair on any Qlixbi Products.

Only maintenance tasks with specific Energas instructions conveyed to you by Energas in writing may be undertaken on any Qlixbi Connectors.

5.

Troubleshooting

Repairing:

Have the Qlixbi products repaired by an Energas authorised person.
Please contact the customer support or the stores for after sales services.

Smart version:

This electronic device is in accordance with the relevant safety requirements.
Repairs should only be carried out by an Energas authorised person using original spare parts, otherwise this may result in considerable danger to the user.

Problem	Cause	Action
Qlixbi C or S connector: Impossible to connect the regulator to the Qlixbi C / S connector	Damaged fittings	Change the Qlixbi connector and / or the regulator
	Connection not compatible	Verify the compatibility of gases, inlet and outlet
Qlixbi C or S connector: Impossible to clip the Qlixbi connector on the docking port		Check the pressure compatibility / change the Qlixbi connector or the cylinder
Qlixbi R connector: Impossible to connect the female quick coupling on the outlet connection of the Qlixbi R (male quick coupling; ISO 7289 TYPE N)	Damaged outlet connection	Verify the male outlet connection integrity. Change the female quick coupling (According to ISO7289) on the gas hose or on the accessory; and / or Change the Qlixbi R connector
	Connection not compatible	Verify the compatibility of gases, inlet and outlet
Impossible to clip the Qlixbi connector on the docking port	Presence of damage or objects	Check: Presence of any damage on docking port or Qlixbi connector inlet connection Presence of any dust/objects/etc on either docking port, reserve indicator or Qlixbi connector inlet
	The Qlixbi connector is not compatible with the docking port	Check the pressure compatibility / change the Qlixbi connector or the cylinder
Impossible to operate the lever	Lever is broken or jammed	Change the Qlixbi connector, contact Energas
	Lever is locked (In case of incomplete connection and for security the lever is automatically locked)	Unclip the Qlixbi connector, then check the correct connection between the docking port and the Qlixbi connector (No debris or objects inside the reserve indicator that could prevent the connection)

Problem	Cause	Action
Insufficient output gas flow	Docking port close (Lever OFF)	Open the lever on the Qlixbi connector
	The cylinder is empty or with low pressure of gas	Check the reserve indicator indication / Change the cylinder
	Docking port connection defective	Contact Energas
	Qlixbi C or S connector only: Inadequate regulator	Change the regulator
	Defective downstream device	Change the equipment

Qlixbi C or S connector:

Gas leak at pressure regulator inlet

Sealing rupture

Close the On/Off Lever, uncouple the connector and disconnect the pressure regulator.
Change the seal ring of the pressure regulator or change the pressure regulator.

Qlixbi R connector:

Gas leak on the quick coupling (outlet connection)

Sealing rupture

Close the On/Off Lever, unplug the female quick coupling of the gas hose or accessory.
Verify the male outlet connection integrity.
Replace the female quick coupling if needed and / or Change the Qlixbi R connector.

Gas leak at Qlixbi connector

- Close the On/Off Lever, uncouple the connector from the cylinder, check the connections for foreign bodies and contamination.
- Clean the sealing surfaces and couple the connector to the cylinder. Open the On/Off Lever.
- If there is still a leak, close the On/Off Lever, remove the connector and contact Energas.

Unstable outlet pressure or icing

Gas flow not adjusted / too high

Refer to the instructions of the equipment connected to the Qlixbi connector

Qlixbi C or S connector:

Noise

Flow of gas too high or vibrations in the downstream equipment

- Readjust the pressure setting
- If the problem cannot be eliminated, close the On/Off Lever, disconnect the Qlixbi C/S connector and change the pressure regulator

Gauge versus Reserve Indicator
CONFLICT

My gauge is amber or red but the Reserve Indicator is green - What do I trust? Trust the gauge.
My gauge is green but the Reserve Indicator is red - What do I trust? Trust the gauge

Impossible to uncouple the Qlixbi connector

Qlixbi connector under pressure

Close the On/Off Lever, and uncouple the connector. If it still not possible, **purge the connector and the regulator by the outlet of the regulator or through the torch. Then uncouple the connector and contact Energas.**

SPECIFIC TO QLIXBI SMART CONNECTORS (S230 and S300)

Problem	Cause	Action
LED glows red 10 times	Device error. The data transmission doesn't work. Qlixbi Manage Services will not be updated.	Please contact Energas
LED glows alternately in GREEN then in RED 10 times	Low battery. The data transmission will soon be interrupted. Risk of service unavailability or malfunction.	Please contact your customer support for assistance.
LED glows alternately in BLUE then in RED and 1s OFF	Update firmware failure or micro SD Card removed before the end of the update. Risk of service unavailability or malfunction and erroneous information.	Please contact Energas

6.

Specifications

6.1 — CYLINDER TECHNICAL CHARACTERISTICS

Cylinders (w/o connectors)	L50 230 bar	L50 300 bar	L33 300 bar
Nominal pressure	230 bar	300 bar	300 bar
Water capacity	50 litres	50 litres	33 litres



6.2 — QLIXBI C & S CONNECTORS TECHNICAL CHARACTERISTICS

	Qlixbi C230	Qlixbi C300	Qlixbi S230	Qlixbi S300
Nominal pressure	230 bar	300 bar	230 bar	300 bar
Outlet connection	BS 341-3 Nr.3 (G5/8")	ISO 5145 Nr.30 (W30x2)	BS 341-3 Nr.3 (G5/8")	ISO 5145 Nr.30 (W30x2)
Smart Device	N/A	N/A	Smart	Smart
Gas service	ARGON and ARGON INERT MIXTURE (Oxidising and flammable mixtures are excluded)			
Service temperature	From -20°C to +65°C			
Inlet connection	HPP2	HPP3	HPP2	HPP3
Weight (kg)	1,370	1,370	1,430	1,430
Dimensions (HxWxD in mm)	197 x 101 x 160	197 x 101 x 160	197 x 101 x 160	197 x 101 x 160
External tightness	< 6cc/h (10-3 mbar.l/s) at test pressure, unitary test			
Protective Index	IP65	IP65	IP65	IP65
Impact Resistance	IK 08	IK 08	IK 08	IK 08
Regulation compliance	<p>Directive 2014/68/EC: Pressurised equipment (PED) Qlixbi Connectors satisfy to requirement of article 4-2 of 2014/68/EC directive and at the state of the art. Consequently, these equipment shall not be "CE" marked.</p> <p>CE marking Electronic Equipment Qlixbi Smart connectors are in conformity with the following standards and meets the requirements of applicable European Directives:</p> <ul style="list-style-type: none"> - EMC Directive 2014/30/EU: ETSI 301 489-1 (V2.2.0, Draft), ETSI 301 489-3 (V2.1.1, Final Draft), EN 62479 (2010) - Radio Equipment Directive 2014/53/EU : EN 300 330 (V2.1.1), EN 300 220-1 (V3.1.1), EN 300 220-2 (V3.1.1) - Electrical Safety: IEC 62368-1: (2014 (2.Edition) and Cor. 1: 2015), EN 62368-1: 2014/AC: 2015/A11: 2017 			
Battery	NA	NA	SAFT 3,6V LS 14500 Lithium	SAFT 3,6V LS 14500 Lithium

6.3 — QLIXBI R CONNECTORS TECHNICAL CHARACTERISTICS

Qlixbi R	
Nominal pressure	Up to 310 bar
Outlet connection	ISO 7289 TYPE N
Smart Device	N/A
Gas service	ARGON & INERT MIXTURES (Oxidising and flammable mixtures are excluded)
Flow range	0 - 30L / min CLASS 20 according ISO 2503
Service temperature	From -20°C to +65°C
Inlet connection	HPP2-3
Weight (kg)	1,980
Dimensions (HxWxD in mm)	199 x 150 x 180
External tightness	< 6cc/h (10-3 mbar.l/s) at test pressure, unitary test
Protective Index	IP65
Impact Resistance	IK 08
Regulation compliance	Directive 2014/68/EC: Pressurised equipment (PED) Qlixbi Connectors satisfy to requirement of article 4-2 of 2014/68/EC directive and at the state of the art. Consequently, these equipment shall not be "CE" marked.
Battery	NA
Marking	Part number, manufacturing date, flow range, pressure-regulator class, nominal pressure, Inlet connection, gas intended for use, Energas, batch number, Manufacturing country, CE (Only for smart version), bar code.

7.

Environment

You can help to protect the environment.

Please remember to respect the local regulations.

The packaging material is recyclable. Dispose of the packaging in an environmentally friendly manner and make it available for the recyclable material collection service.

Return the connectors and cylinders to Energas, its service agent or distributor.

8.

Customer support - Contact details

Contact Energas



Call

01482 329 333



Email

hull@energass.co.uk

Qlixbi

Love how it works.



Important Note

Please note the latest version of the Technical Manual can be found here using the QR Code which can also be found via a sticker on your cylinder shoulder.