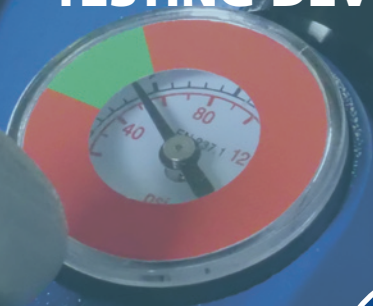


STANDARD GASKET *control+* BY PAM TESTING DEVICE



COMPOSITION OF THE TESTING DEVICE

- 1 Testing device
- 2 Capsules 250 BIMPAIR
- 1 EWAY (Electric charger)
- 1 main adapter 220V
- 1 car adapter 12V

Case size
502 X 415 X 141

Case weight
6.850KG

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Analysis and control of the risks associated with assembly conditions are the responsibility of the company in charge (in particular, the use of use of personal protective equipment).

STANDARD GASKET CONTROL+ TESTING DEVICE

1 - CASE CONTENTS

User manual

220V main adapter
for the charger

Toolbox



Car adapter

Testing device with a
cartridge

Charger with a
second cartridge

2 - BIMPAIR CAPSULE

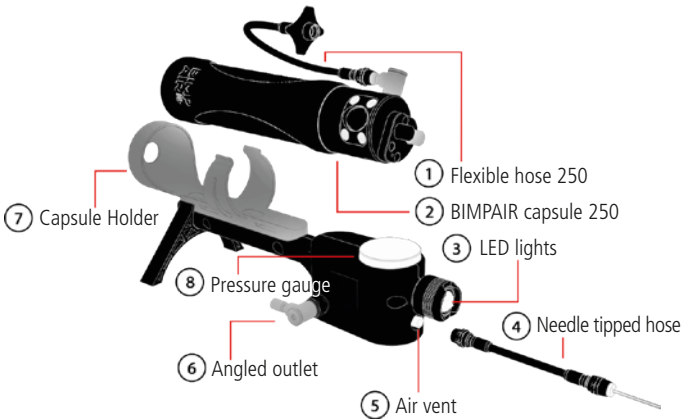


The BIMPAIR capsule is a compressed air canister equipped with a button to inject air. It is rechargeable using the electric compression system (E-WAY system).



** The depressurization button is not used for the Standard gasket Control+ device.*

3 - ASSEMBLING THE TEST DEVICE



① Flexible hose 250

⑤ Air vent

② BIMPAIR Capsule 250

⑥ Angled outlet

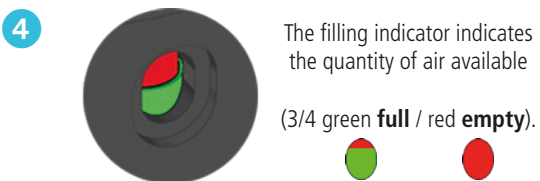
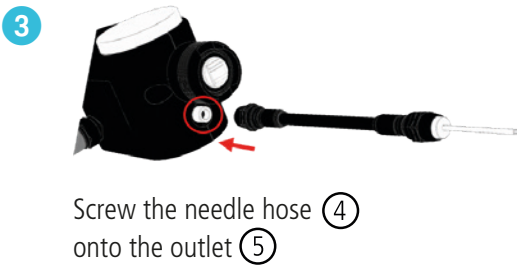
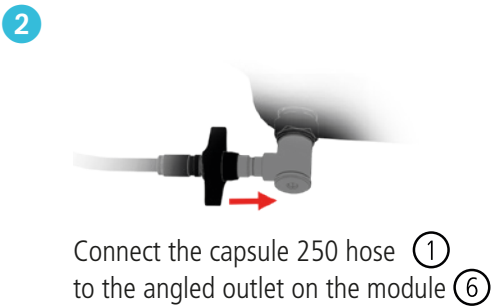
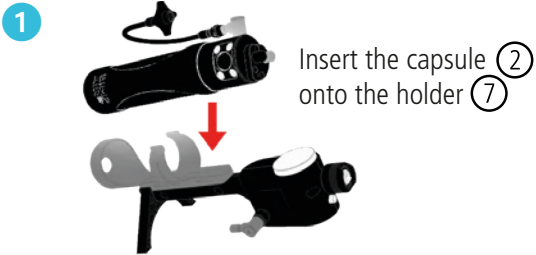
③ LED Lights

⑦ Capsule Holder

④ Needle-tipped hose

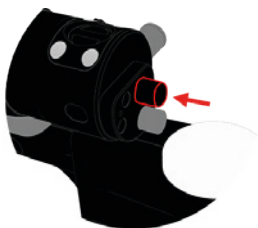
⑧ Pressure Gauge

4 - POSITIONING THE DEVICE AND PRESSURIZATION



Make sure the capsule is sufficiently charged.

5



Press the capsule's inflation button (black) to inject the air ②

6

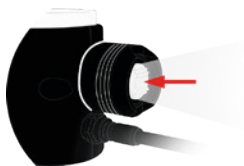


The pointer on the pressure gauge should remain in the green zone for a few seconds. If the pointer is in the red zone, the joint is not good.



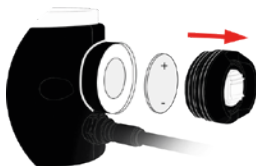
See point 2 «check tightness» page 27

Once the capsule is empty, refill it with the EWAY system (see instructions on pages 10 to 18).



Use in darkness:

- Press the LED light ③ to light up
- Press a second time to activate flash mode.
- Press a third time to switch off.



Battery change:

Unscrew the head of the LED light to access the old battery and replace it with a New one.

5 - IMPORTANT PRECAUTIONS



This device must be used only for testing the correct installation of Standard gasket Control+.

- **Do not divert** from main use. **Do not use** for any purpose other than those intended, and **do not use** with the intention of harm others.

Container **under pressure**, handle with care.

- *Wear goggles and gloves* when use. Use and store the product in accordance the instructions for use. **Keep out of reach of children**. Recharge only with the BIMPAIR charging systems. Keep away from sources of heat and cold. **Do not expose** to temperatures above 50°C/122°F. **Do not store in damp conditions**.

- **Do not dismantle, puncture, or modify** the product in any way. **Do not introduce** any gases or liquids other than those intended by the BIMPAIR charging systems. **Do not subject** to shocks, **do not immerse** in liquid or any other any other substance.

Imperative: If a defect is found or damage to the product (cracks, breakage, etc.), discontinue use and follow the and follow the prescribed procedure.

- Keep it clean and dry.
- **Clean** the air inlet and outlet regularly. **Do not obstruct the air outlet**.
- **Do not direct** the air outlet towards the eyes, face or mucous membranes. **Do not inhale**.
- **Make sure** that the hose is screwed on tightly for charging and inflating. **Do not unscrew** while charging.
- **Make sure** you are upright when screwing, **do not force the screws** to avoid damaging the thread.

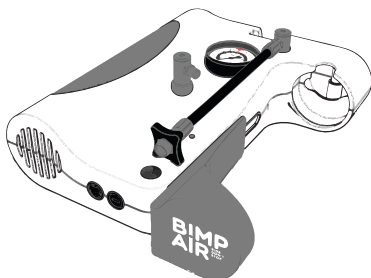
6 - GUARRANTEE - AFTER-SALES SERVICE

The test device is guaranteed **for 2 years** from the date of purchase.

Contact your **PAM branch** for details of the conditions and after-sales procedure.

7 - INSTALLATION AND USE E-MC ELECTRICAL CHARGER

BIMPAIR

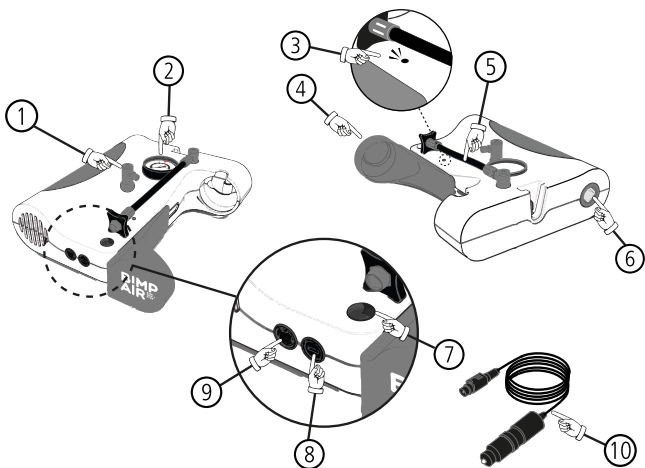


E-MC

The E-MC (E-Way System Component) is the electrical charging option for BIMPAIR capsules. It works from a 12V cigarette lighter socket in the car, or from the mains with an adapter. It has a charge indicator and stops automatically when the capsule reaches 50 bars.

Read the instructions carefully before use and keep them. Please refer to the HPS and CAPSULE BIMPAIR manuals for further instructions on assembly and use, as well as important precautions for use.

I - DESCRIPTION



① Air vent

② Charge indicator

③ LED : Red/Orange/Green

④ Slide

⑤ Flexible HPS

⑥ Axis input HPS

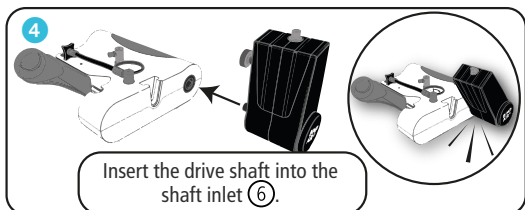
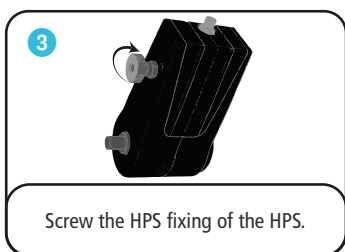
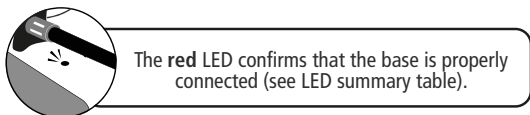
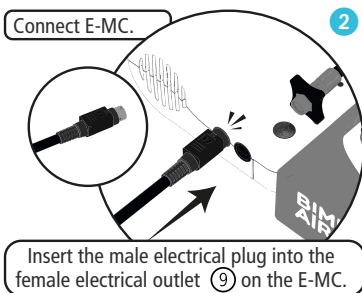
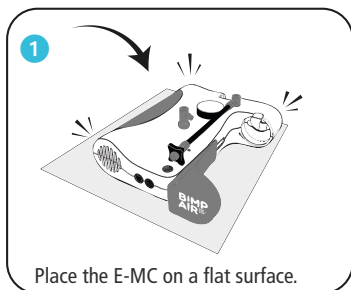
⑦ Button ON/OFF

⑧ Changeable T10A fuse

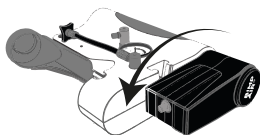
⑨ Female electrical output:
230V/12V

⑩ 12V cigarette lighter lead

II - INSTRUCTION FOR USE - INSTALLATION

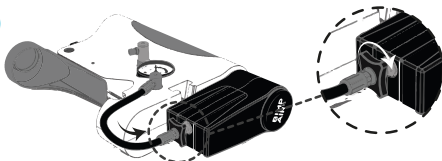


5



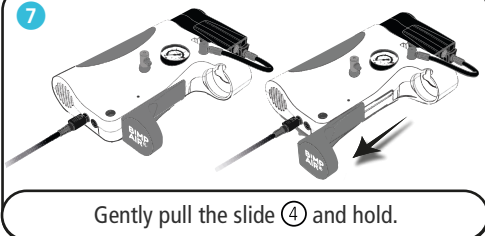
Clip on the HPS by turning it 1/4 turn.

6



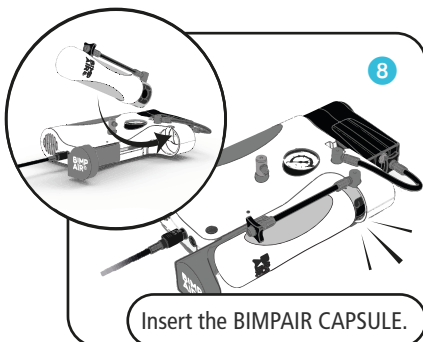
Screw the hose ⑤ to the HPS air outlet.

7

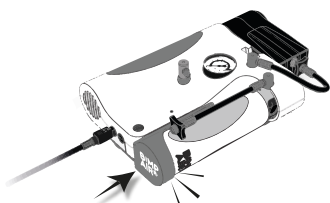


Gently pull the slide ④ and hold.

8



Insert the BIMPAIR CAPSULE.



9

Gently release the zip ④ for optimum support.

The indicator light is **green** once the properly connected. Red if not.



10

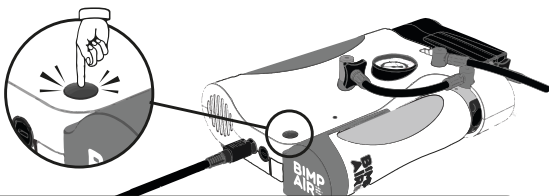


Screw the BIMPAIR Capsule on the air vent ①.



Never connect the BIMPAIR CAPSULE hose directly to the HPS.

III - INSTRUCTIONS FOR USE - CHARGING



To start charging, press and hold *the on/off button* for 3 seconds ⑦.



Charging time between 5 and 8 minutes.



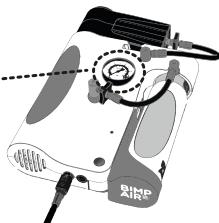
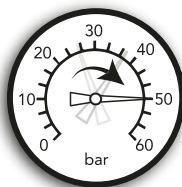
The flashing orange LED confirms that the E-MC is switched on. If it is flashing red (maximum charge time reached), let the E-MC stand for 20 minutes.



Never move the E-MC while it is charging.



STOP charging.



The E-MC is set to stop automatically when the capsule reaches its maximum charge.



You can stop the charge at any time manually at any time by pressing the *on/off button* ⑦.

To resume charging, press the button again for 3 seconds.

Do not unscrew before stopping. **Do not use** the E-MC for more than 15 minutes, the red LED will light up and flash to confirm that it has been switched off.

Leave the E-MC plugged in and wait 20 minutes. The LED will turn **green** when the EM-C is ready for use again.

It is essential to respect the rest time.

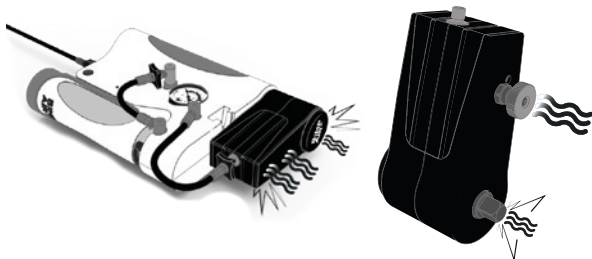




Do not touch the HPS with bare hands after charging. Hot spots!



Handle with gloves.



Overview of indicator lights

Steady Red	E-MC connected (absence of HPS and BIMPAIR CAPSULE)
Green	Ready to recharge (HPS and CAPSULE BIMPAIR connected)
Flashing orange	Loading in progress
Steady Orange	CAPSULE BIMPAIR loaded
Flashing Red	Set to rest (wait 20 minutes for it to turn green again)

The EMC is primarily intended for vehicle use.



12V DC 

et

You can still use it at home



 230V

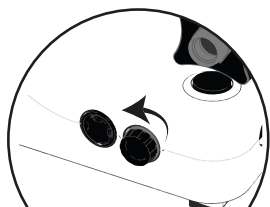


Only connect the charger to the mains once you have checked that the mains voltage corresponds to that indicated on the E-MC nameplate and that the installation is correct.

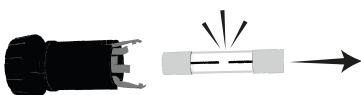
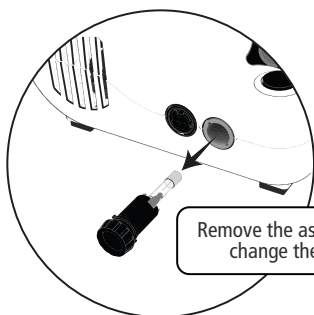


Use the E-MC with the engine running and the vehicle stationary

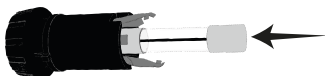
IV - CHANGING THE FUSE



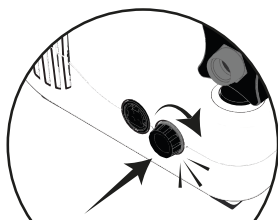
Turn the wheel ⑧
1/4 turn to the left



Remove the faulty fuse.



Insert the new fuse.



Finally, insert the assembly into the
E-MC by 1/4 turn to the right.

V - IMPORTANT PRECAUTIONS



Make sure that the **wires/cords** are not *tangled or damaged*. If the power cable is damaged, please replace it.



Keep out of the reach of children.
Do not allow children to handle E-MC.

This appliance is intended exclusively for recharging the BIMPAIR CAPSULE. **Use only for its intended purpose and in accordance with the instructions for use.**

- • • ● **Do not divert from its main use. Do not use** for any purpose other than those intended, **and do not use** with the intention of causing injury to others.
- • • ● **Use and store** the product in accordance with the instructions of use.
- • • ● Keep away from sources of heat and cold. **Do not store** in damp conditions. Keep *clean and dry*.
- • • ● **Clean** the air inlet and outlet regularly. **Do not obstruct** the air vent.
- • • ● **Do not direct** the air outlet towards the eyes, face, or mucous membranes. **Do not inhale**.
- • • ● **Do not dismantle, puncture, or modify** the product in any way. **Do not subject** to shocks, or **immerse** in liquid or any other substance.
- • • ● **Make sure** that the hose is tightly screwed on when charging. **Do not unscrew** while charging. **Make sure** you are straight when screwing it in, **do not force** it to avoid damaging the thread.
- • • ● Respect the rest period before reuse (wait until the light is green).
- • • ● **Do not use** more than recommended. The user is responsible for the number of refills carried out.
- • • ● **Do not place** any objects on the E-MC before, during or after charging.
- • • ● **Do not place** any objects on the E-MC before, during or after charging.
- • • ● Allow a *rest period* before unclipping the HPS. .



- • • ■ **Use gloves and beware of hot spots.**
The user assumes full responsibility for any damage caused by failure to observe safety precautions and instructions for use and maintenance.
- • • ■ The manufacturer does not guarantee the correct operation of the E-MC if it is modified.
- • • ■ Remain alert, pay attention to your movements and use common sense when using the equipment.

Always give the operating instructions to anyone using the appliance.

INSTALLATION INSTRUCTIONS FOR THE STANDARD **control+ GASKET**

BY PAM



TEST DEVICE COMPOSITION

- 1 Test device
- 2 BIMPAIR Capsule 250
- 1 EWAY (electric feeder)
- 1 Plug adaptor 220V
- 1 Car adaptor 12V

Case Size
502 X 415 X 141

Case weight
6,850KG

SUMMARY

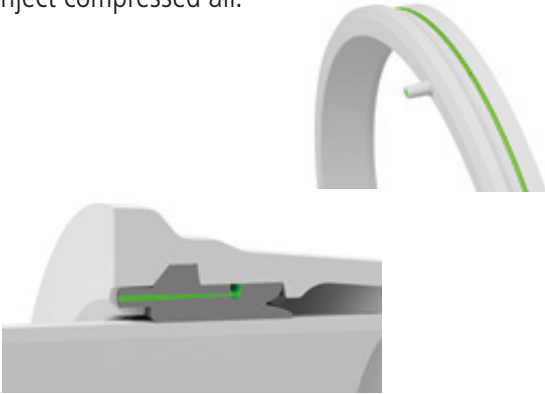
GASKET INSTALLATION INSTRUCTIONS	21-29
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The risk analysis of assembly conditions and their control are the responsibility of the company in charge of them (particularly the use of personal protective equipment).

INSTALLATION INSTRUCTIONS FOR THE STANDARD CONTROL+ GASKET

I - PRESENTATION

The **STANDARD CONTROL+** gasket is an automatic joint that allows self-testing of the sealing is achieved by the compression of the *compression* of the elastomer seal ring obtained at the time of assembly by simply inserting the spigot into the socket. It has a *valve* for injecting compressed air.



Using the marking, check that the joint is suitable for the project application:



- DN
 - Matière : EPDM + STD
 - Surejoint marking
 - Presence of connection valve
 - Shelf life: 7 years
- in good storage conditions

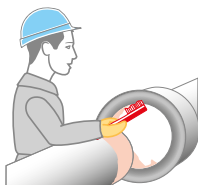
(consult us for recommendations)

- See standard ISO 2230/2002 Elastomer-based products - Guidelines for the storage

II - GENERAL INSTALLATION INSTRUCTIONS STANDARD GASKET AND STANDARD CONTROL+ GASKET

1 CLEAN

Thoroughly clean the inside of the socket, the pipe spigot and gasket. Keep them clean until the assembly operation



2 FITTING THE GASKET

Place the gasket outside the excavation.

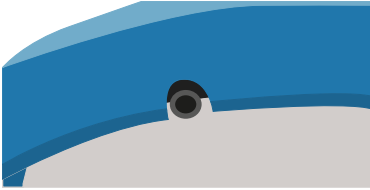
- Shape the heart-shaped the heart-shaped gasket so that the valve connection valve towards the tip of the heart
- Start fitting the gasket in the groove, positioning the valve in a notch in the pipe.
- Select a notch at the top of the pipe, so that the valve is accessible in the trench, to carry out the test.



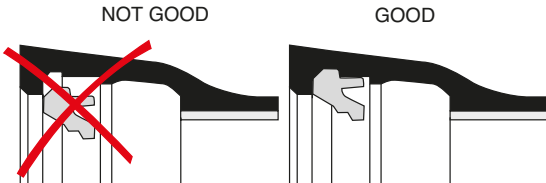
- In cold weather, particularly for small diameters diameters, store the seals in a heated place.
- Gaskets can be soaked in water to make them easier to fit
- The joint track should not be lubricated before fitting.

III - CHECK THE INSTALLATION

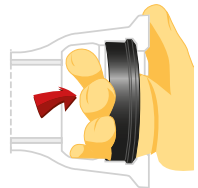
Ensure that the connection valve is correctly positioned in a notch in the pipe, without deformation.



Make sure the gasket is properly seated in its particularly on the heart loop heart.



Always remove the gasket outwards to ensure that it is in place

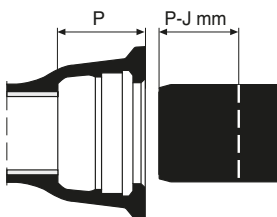


4 MARK THE DEPTH

(When it is not originally marked: on a cup or when using a different range of plain ends).

Mark the spigot at P-J mm.

Warning: failure to observe the spigot depth will affect angular deflection performance.



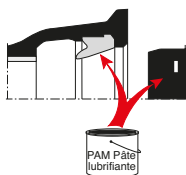
DN (mm)	P (mm)	J (mm)	P-J (mm)
200	106.5	15	91.5
250	105.5		90.5
300	107.5		92.5
350	110.5		90.5
400	112.5	20	92.5
450	115.5		95.5
500	117.5		97.5
600	132.5		112.5

5 LUBRICATE

Coat :

- the visible surface of the joint with Blutop/ Topaz lubricating paste (**ref. 214611**),
- the chamfer and spigot of the pipe with lubricating paste.

Never lubricate the inside of the seal groove. The lubricating paste is applied with a brush (see table of quantities below).



Number of boxes per 100 joints			
DN (mm)	Nb	DN (mm)	Nb
200	3	400	6
250	4	450	6
300	5	500	7
350	5	600	9



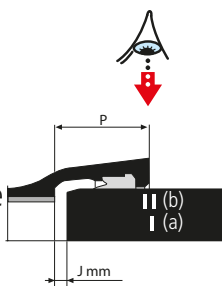
To prevent dirt or sand from entering the socket, replace the plug on the socket side and leave it in place until the next pipe is inserted.

Follow the recommendations for use in the safety data sheets available in the Documentary on www.pamline.fr

6 ASSEMBLING

Centre and fit the spigot into the socket in perfect alignment :

- up to the line marked «P-J mm»,
- in the area between the white marking lines.



It is essential to ensure the correct is imperative for the performance of the junction.

7 CHECK ASSEMBLY: STANDARD CONTROL+ GASKET TEST

Use Standard CONTROL + Gasket test device.

The **Standard CONTROL + Gasket test device case** includes :

- The test device with a cartridge, on a blue stand
- The charger (red) with a second cartridge and :
 - o A 220 V power supply for the charger.
 - o A cigarette lighter socket for the charger.
- Instructions.

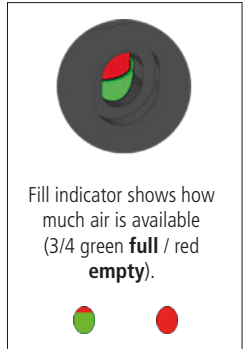
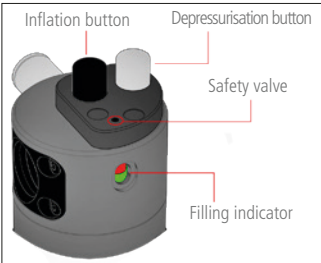


Please refer to the instructions for use on pages 3 to 17, for safety instructions, the procedure for refilling the compressed air cartridges and for and maintenance.

IV - STANDARD CONTROL+ GASKET TEST

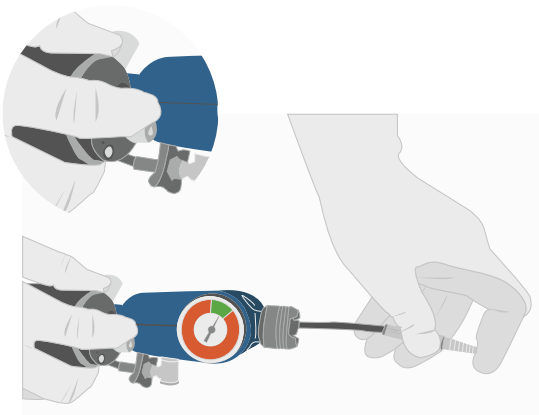
1 CHECK THE AIR FILL LEVEL

Check the air fill level in the cartridge



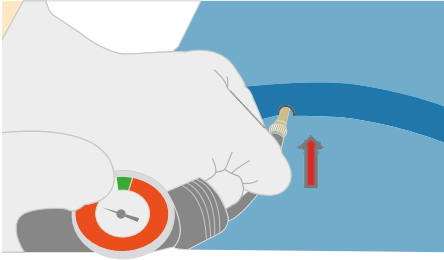
2 CHECK FOR LEAKS

Check the tightness of the test device hoses by obstructing the nozzle orifice with a finger while pressing the black button and ensuring that the needle on the manometer remains stabilised in the green sector for at least 10 seconds.



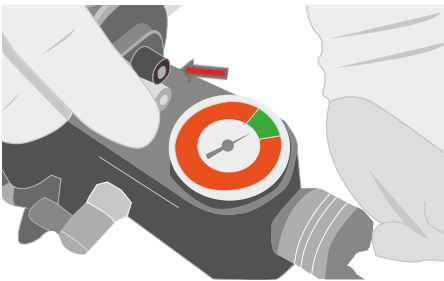
3 INSERT THE NOZZLE

Insert the appliance nozzle into the gasket connection valve



4 PERFORMING THE AIR TEST

Press the black button.
Air is sent into the gasket groove.



5 RESULT OF THE CONTROL+ STANDARD GASKET TEST

OK Test : If the needle on the manometer remains stable in the green sector.

NOK Test : If the needle does not pass or remain in the green sector for at least 10s
Green sector.



*In the event of a **NOK TEST***

Repeat the test to confirm the result.
Dismantle the joint to identify the problem, correct it and re-assemble.

The main causes of a **NOK test** are :

1. Gasket pushed back out of its housing during fitting.
2. Foreign bodies in the groove
groove
3. Gasket damaged

After the **OK test**, the device is removed and the junction is validated.

The device can be used for the next junction.

Note: After the test, when the nozzle of the device is removed from the valve, the gasket groove is no longer under pressure.

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