

OPERATION & SAFETY MANUAL



! WARNING

These instructions are for your personal safety. Always ensure that you have read and understood these instructions before using the equipment.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

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SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

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To watch practical demonstration videos, take a course, or to download an electronic copy of these Instructions, please visit www.picoteinstitute.com. Please note that videos and courses are not intended as a replacement or alternative to this operating and safety manual, but only as an additional learning tool.

SAFETY INFORMATION

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE

WARNING

This section contains important safety information.
Failure to comply could result in serious injury or death.

Picote Smart Control Unit is only intended for use with the Picote Connection Collar System. Do not run steam through the Smart Control Unit!

The Picote Smart Control Unit is designed for use with the Picote Connection Collar system. The Unit allows easy and precise air control for Bladder inflation and it is also equipped with build in vacuum ejector that enables deflating Connection Collars Bladder with the simple flip of a lever.

Every renovation job is different and selecting the correct method requires experience & skill. Installation of a specific repair method may not be appropriate in all cases as it may cause further damage to the line.

Safety Symbols

Safety symbols are used throughout this manual to draw attention to potential hazards.



Danger risk of serious injury, follow instructions.

Personal Protective Equipment (PPE)

Safety symbols are used throughout this manual to draw attention to potential hazards.



Suitable eye protection to protect against injuries and chemicals from irritating eyes.



Suitable ear protection to protect against hearing loss.

Operational Safety



1. **Always wear eye and ear protection.** Other personal protective equipment, such as dust mask, chemical resistant gloves and protective clothing should be worn when necessary.
2. **Before each use** inspect the unit carefully for any potential damage.
Repair damaged parts immediately and before use.
3. Only use the Smart Control Unit with the official accessories and spare parts offered by Picote Solutions. Accessories and spare parts should only be used in the manner intended and as described by Picote Solutions.
4. Always ensure that the Picote Smart Control Unit is detached from air line before inspection, or maintenance.
5. When in use, it is very important that SCU is stable and on an even surface.
6. Ensure that exhaust line flows freely. Maximum exhaust pipe length = 0,5m (1.5 ft).

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ENVIRONMENTAL

Operational Ambient Temperature Range: +5°C to +60°C (41°F to 140°F) frost free

Storage Ambient Temperature Range: +1°C to +60°C (34°F to 140°F) frost free

TRANSPORT

The Smart Control Unit should be transported laid down or in a robust hanger and secured with ratchet straps to prevent any sudden movements or accidents caused by hard vehicle braking or a collision. Always use a suitable cover to protect the unit from the elements.

STORAGE

The Smart Control Unit should be stored indoors to protect it from the elements.

If the unit has been stored in an environment colder than 0°C or 32°F, the tool should be stood at room temperature for 2 hours before use to ensure that there is no ice in the air lines.

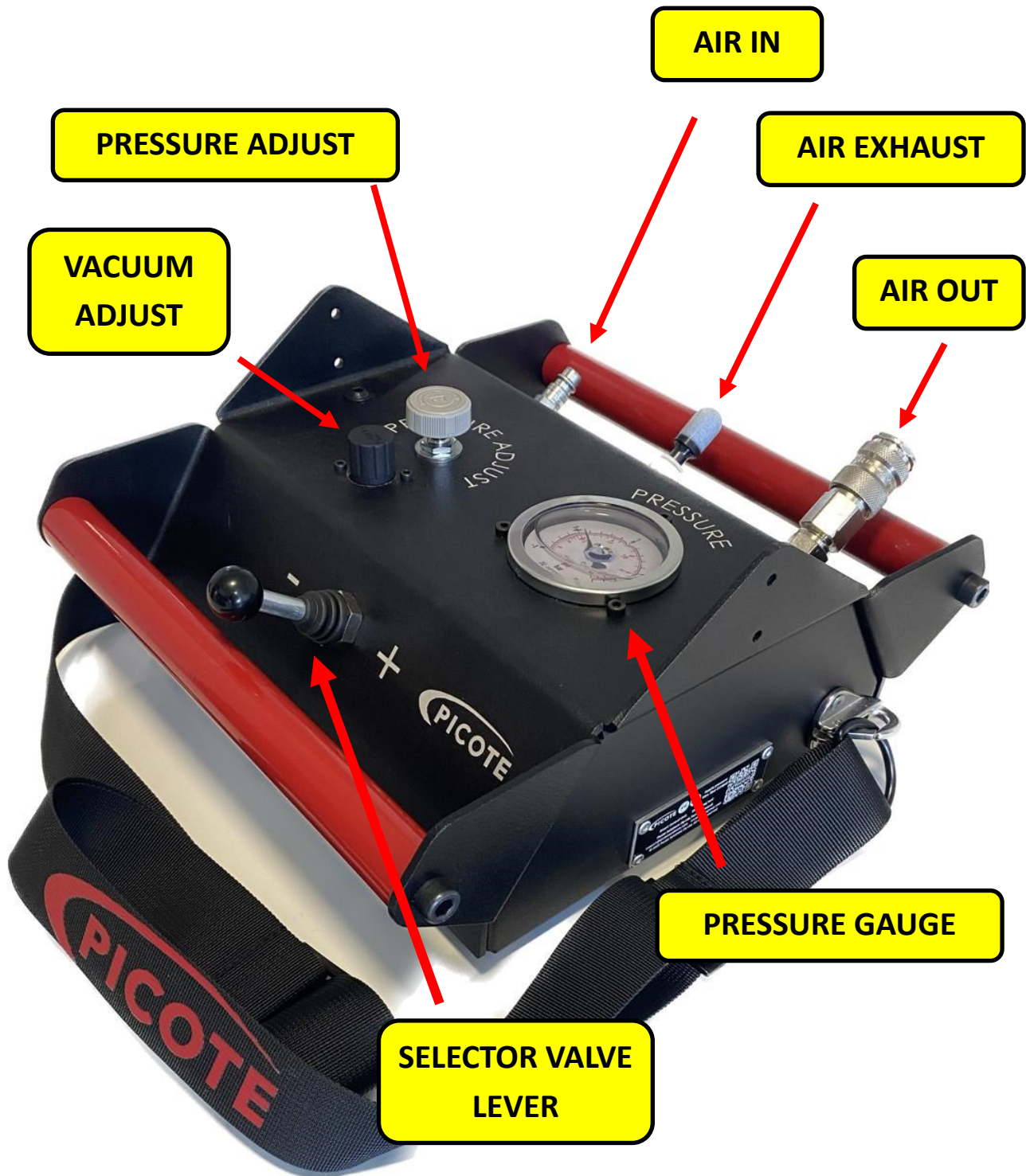
DISPOSAL

Smart Control Unit casing, bolts, the gauge, and all metal based instruments can be recycled in metal waste collection points. Vacuum control valve can be disposed of as plastic waste.

Always follow local waste handling rules and regulations.

GENERAL INFORMATION

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WEIGHT AND DIMENSIONS

Weight: 3kg (6.6lbs)

L x W x H: 305 x 300 x 145mm (12 x 11.8 x 5.7")

OPERATIONAL DATA

Maximum Air Supply Pressure: 8 Bar (116 PSI)

Maximum Air Pressure Output: ~2 Bar (~29 PSI)

Operating Pressure for Maximum Suction Flow Rate: 4 Bar (58 PSI)

CE DECLARATION OF CONFORMITY

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We Picote Solutions Oy Ltd as the responsible manufacturer, declare that the following Picote Solutions Oy Ltd CIPP lining tool:

Picote Smart Control Unit

Models: EU & US

are of series production and

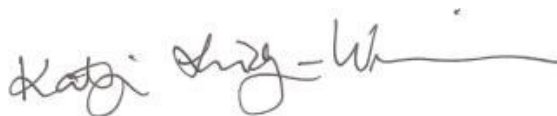
Conform to the following EU Directive:

2014/68/EU

The technical documentation is kept by our authorised representative in Europe who is:

Picote Solutions Oy Ltd, Pienteollisuustie 24
06450 Porvoo, Finland

8th September 2023



Katja Lindy-Wilkinson
C.E.O.

Picote Solutions Oy Ltd
Pienteollisuustie 24, 06450 Porvoo, Finland

OPERATING INSTRUCTIONS

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BEFORE ATTACHING AIR HOSES TO THE AIR INPUT AND OUTPUT FITTINGS, ENSURE THAT THE SELECTOR VALVE IS IN THE NEUTRAL/MIDDLE POSITION.



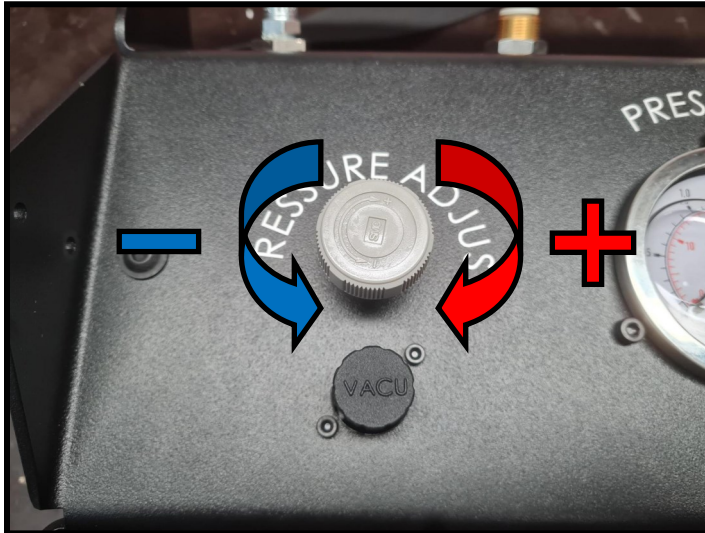
AIR INPUT IS EQUIPPED WITH A MALE-TYPE FITTING.
MAXIMUM SUPPLY PRESSURE FOR UNIT IS 8 BAR (116 PSI)



ATTACH THE AIR SUPPLY LINE TO THE SMART CONTROL UNIT.

OPERATING INSTRUCTIONS

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TURNING THE PRESSURE ADJUSTER KNOB CLOCKWISE INCREASES OUTPUT PRESSURE AND VICE VERSA.

(NOTE! KNOB CAN BE UNSCREWED COMPLETELY, DO NOT OVER TURN THE KNOB).



PRESSURE GAUGE SHOWS ADJUSTED PRESSURE ALSO WHEN THE LEVER IS IN THE NEUTRAL/MIDDLE POSITION.

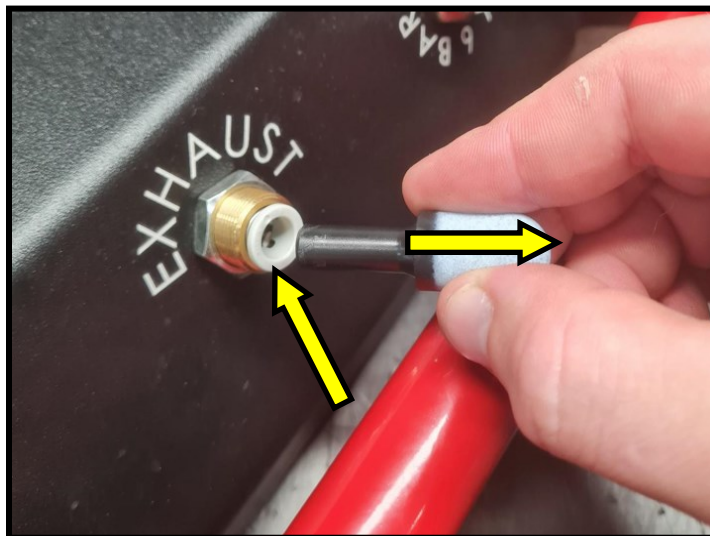
ADJUST PRESSURE TO ZERO BEFORE THE NEXT STEPS.



ENSURE THAT THE LEVER IS STILL IN THE NEUTRAL POSITION BEFORE ATTACHING ANYTHING TO THE AIR OUTPUT FITTING.

OPERATING INSTRUCTIONS

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SMART CONTROL UNIT CAN BE EQUIPPED WITH AN AIR SILENCER THAT LOWERS THE SOUND LEVEL FOR MORE COMFORTABLE LEVELS WHEN VACUUM IS USED.

THE SILENCER CAN BE REMOVED BY PUSHING THE GREY COLLAR TOWARDS THE CASING AND SIMULTANEOUSLY PULLING THE SILENCER OUTWARDS.



WHEN A STEAM CURED BLADDER IS VACUUMED, IT IS NORMAL THAT SOME WATER FLOWS THROUGH THE EXHAUST AIR. BY USING AN 8MM PLASTIC TUBE, WATER CAN BE GUIDED TO A CONTAINER/SEWER/ETC. FROM THE EXHAUST.

EXHAUST AIR CAN SWING TUBE AROUND AND FLOW CAN CAUSE EXCESS NOISE. SECURE THE TUBE AND PROTECT YOUR EYES AND EARS.



⚠ CAUTION

DO NOT USE LONGER EXHAUST TUBE THAN 0,5M (1.5 FT). LONGER TUBES CAUSE PROBLEMS WITH THE VACUUM EJECTOR AND ADD RISK FOR BLOCKING THE EXHAUST LINE.

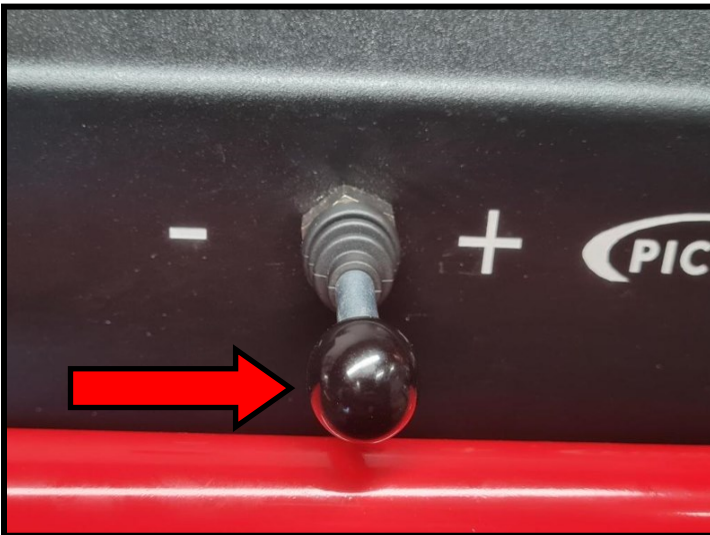
BLOCKING THE EXHAUST LINE CAUSES PRESSURE RISING INSTEAD OF VACUUM AND MAY CAUSE BLADDER DAMAGE!

OPERATING INSTRUCTIONS

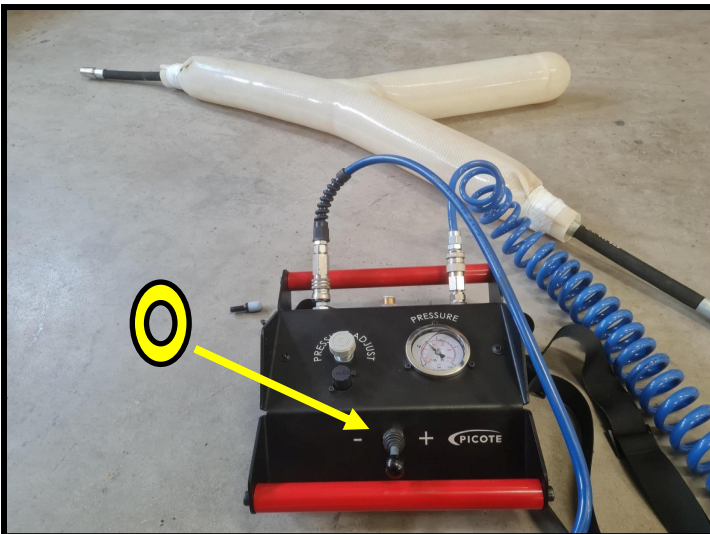
SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE



ATTACH A SUITABLE AIR HOSE OR PICOTE PUSH RODS (+BLADDER) TO THE AIR OUTPUT FITTING.



ENSURE THAT THE PRESSURE IS SET TO ZERO AND THEN TURN THE SELECTOR LEVER TO +/-PRESSURISING. ADJUST THE PRESSURE BY USING THE PRESSURE ADJUST-KNOB.

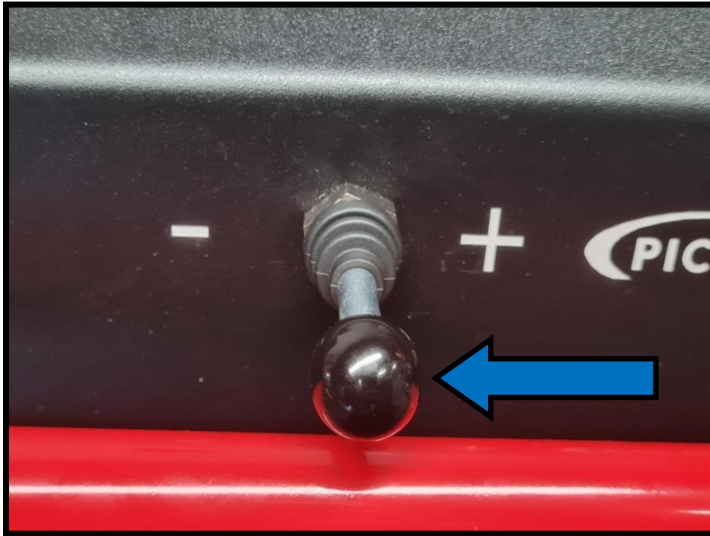


NOTICE!: LEVER IN THE MIDDLE POSITION CLOSES THE VALVE. THIS MEANS, IT WON'T RELEASE THE PRESSURE (OR VACUUM) FROM THE BLADDER.

CLOSED VALVE IS HELPFUL WHEN THE BLADDER IS PREPARED. THE BLADDER STAYS COLLAPSED WITHOUT THE NEED TO RUN AIR TO VACUUM EJECTOR.

OPERATING INSTRUCTIONS

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WHEN THERE IS NEED TO DEFLATE THE BLADDER, TURN THE LEVER TO -/VACUUM-POSITION.

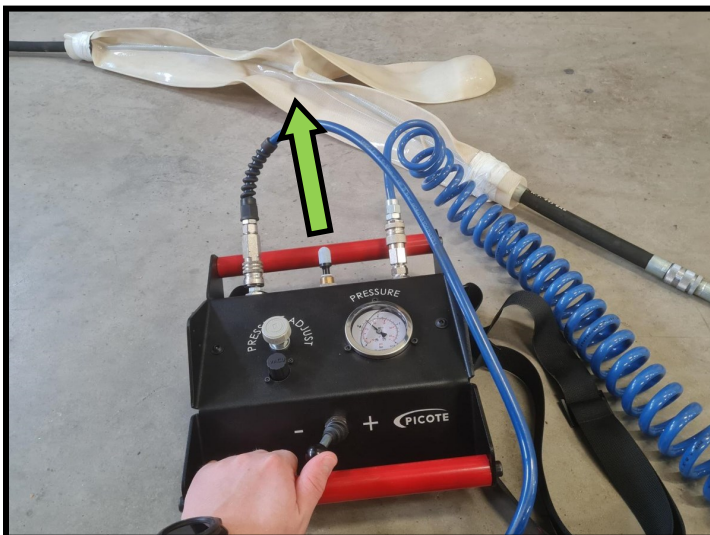
THE UNIT STARTS TO SUCK AIR FROM THE TOOL THAT IS CONNECTED TO AIR OUTPUT FITTING.



TURNING THE "VACU" KNOB CLOCKWISE SLOWS DOWN THE VACUUM FLOW.

THIS FEATURE IS HELPFUL WHEN PREPARING THE CONNECTION COLLAR ON TOP OF THE BLADDER.

YOU CAN FINE TUNE THE VACUUM POWER IF YOU FEEL THAT THE BLADDER COLLAPSES TOO RAPIDLY.



ENSURE THE EXHAUST LINE STAYS UNOBSTRUCTED FOR THE ENTIRE TIME.

TURN THE LEVER TO NEUTRAL POSITION IF YOU SUSPECT THAT THE EXHAUST LINE IS BLOCKED FOR SOME REASON.

MAINTENANCE

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Before each use check all the fittings and instruments are in working condition.

EXHAUST

Ensure the exhaust tube is wrinkle free and air flows through it freely. Replace when necessary.

Check the condition of the Silencer after each use. Note that the water has a negative effect on the durability of the Silencer.

If you suspect there is water trapped inside the unit's internal tubes, you can rotate the unit while using the vacuum. Trapped water can then find its way through the exhaust port.

If the unit has significant amount of moisture inside its lines and components the unit needs to be opened and dried.



CAUTION

Do not store or use Smart Control Unit in freezing temperatures!

Water/moisture trapped inside the Unit may freeze and cause component damage!

ACCESSORIES & SPARE PARTS

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CAUTION

Only use Picote Solutions accessories and attachments with the tool described in this operation manual. The use of other accessories or attachments could present a risk of injury. The accessories or attachments should only be used in the proper and intended manner, and always follow Picote Solutions instructions.

SMART CONTROL UNIT

1410000047	Smart Control Unit EU
1410000047US	Smart Control Unit US

SPARE PARTS

900003804S	Exhaust Silencer
900003813S	8mm Exhaust Tube (0.5m / 1.6 ft)
1410000025	Installation Tool 2.0 Air Adapter

WARRANTY POLICY & PROCEDURE

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Limited Warranty:

Picote warrants to the original End User that the Product purchased by such End User will operate in accordance with, and substantially conform to their published specifications when shipped or otherwise delivered to the End User and for a period of one (1) year, provided, however, that Picote does not warrant any claim or damage under this Warranty if such claim or damage results from:

1. Consumable parts or normal wear and tear resulting from use of the Products,
2. Product overload,
3. Regular periodic maintenance of Products,
4. Misuse, neglect, or improper installation or maintenance of the Products, or use of Products not for their intended purpose,
5. Products that have been altered, modified, repaired, opened or tampered with by anyone other than Picote or an authorized Picote Service Centre, or unsuitable or unauthorized spare parts, accessories or third party products when using the Products or;
6. the use of the Products not in compliance with their respective Documentation, user manuals, safety and maintenance instructions, and any usage restrictions contained therein, or
7. accident, fire, power failure, power surge, or other hazard.

Otherwise, the Products are sold AS IS. End User is responsible for using the Products within their specifications and instructions as contained in the Documentation.

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Free Connection Collar 2.0 - Equipment
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