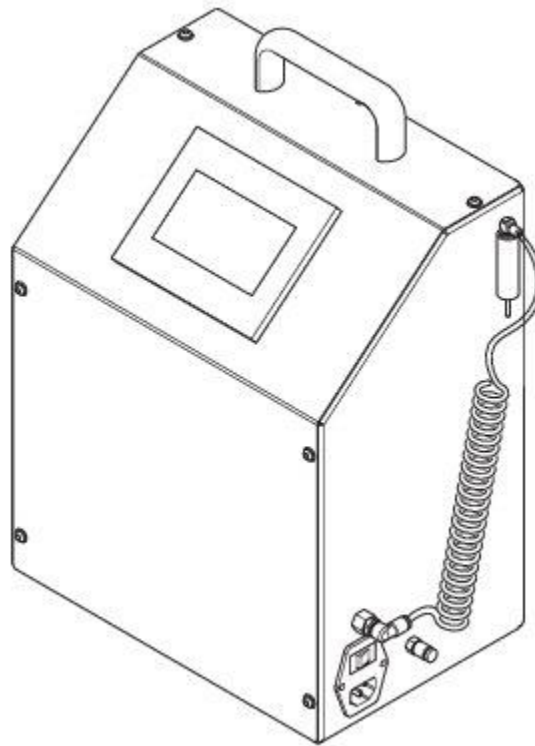


TREBLE

Fast - Accurate - Silent

Treble

Ball pump V1.0



User manual

Contents

1	About this document	4
1.1	About this document	4
1.2	How to use this document.....	4
1.3	Symbols used in the document.....	5
1.4	Contact information.....	5
2	Safety	6
2.1	Intended use	6
2.2	General safety instructions.....	6
2.3	Liability.....	6
3	Description.....	7
3.1	Overview of the product.....	7
3.2	Audible alerts of the product.....	8
3.3	Descriptions of the touchscreen.....	8
3.3.1	Indicator balls.....	8
3.3.2	Navigation buttons.....	8
3.3.3	Control buttons.....	9
3.3.4	Pop-ups	10
3.4	Working principle.....	11
3.5	Type plate.....	11
4	Instructions for use	12
4.1	Preparation before use	12
4.2	Install the product on a wall (optional).....	12
4.3	Connect the product to a power supply	12
5	Operation	13
5.1	Start or shut down the product	13
5.2	Inflate or deflate a ball.....	13
5.2.1	Select the ball type.....	14
5.3	Customize a ball type.....	14
5.3.1	Make a new ball type.....	14
5.3.2	Calibration procedure	15

6	Maintenance	16
6.1	Maintenance schedule.....	16
6.2	Check the condition of the hose and connections	16
6.3	Drain the water of the condenser.....	16
7	Technical data	17
7.1	Dimensions.....	17
7.2	Specifications for installing the product on a wall.....	17
7.3	Operational specifications	18
7.4	Accessories.....	19
8	Troubleshooting.....	20
8.1	Troubleshooting procedure	20
8.2	Troubleshooting table.....	20

1 About this document

1.1 About this document

This document contains the information that is necessary to:

- Use the product.
- Do maintenance on the product.

From this point, the Treble V1.0 (Ball pump) is called 'the product'.




The original instructions of this document are written in English. All other language versions are translations of the original instructions.

The illustrations in this document show a typical setup with relevant details for instructional use only.

1.2 How to use this document

1. Make sure that you know the structure and contents of this document.
2. Read the safety chapter in detail and make sure that you know all the instructions.
3. Do the procedures fully and in the given sequence.
4. Keep this document in a safe area for future use.

1.3 Symbols used in the document

Signal word	Description	Symbol
Warning	Identifies a dangerous situation that, if not avoided, can cause a serious injury or death	
Caution	Identifies a dangerous situation that, if not avoided, can cause a moderate or minor injury, or property damage	
Note	Identifies important information	

1.4 Contact information

Company name: Inter-Technics Technical Assemblies B.V.
Address: De Sleutel 11
5652 AS Eindhoven
The Netherlands
Telephone: +31 492330346
Email: info@treble.nu
Website: www.treble.nu

2 Safety

2.1 Intended use

The product is designed to inflate or deflate balls that are used for sports and play.

2.2 General safety instructions



Warning:

- Do not use a damaged or defective product.
- Always operate the product according to the instructions in this document.
- Be alert and use common sense when you work with the product.
- To entirely remove the power from the product, disconnect the product from the power supply.



Caution:

- Only use approved Inter-Technics Technical Assemblies B.V. spare parts.
- Do the procedures correctly. Incorrect maintenance can cause damage to the product.
- Keep the environment around the product clean.
- Do not make unapproved changes to the product.

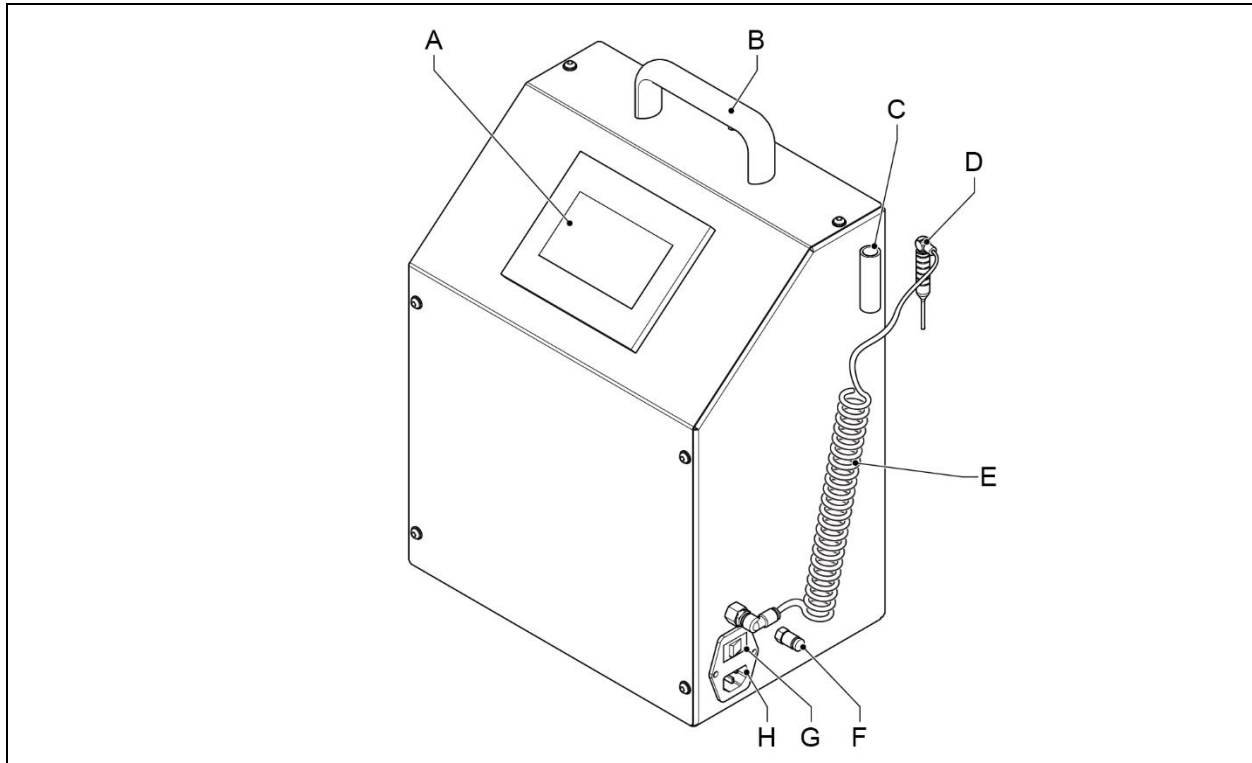
2.3 Liability

Inter-Technics Technical Assemblies B.V. is not liable if you do not obey these instructions:

- Obey the safety instructions.
- Use the product only as described in section 2.1.
- Use approved spare parts.
- Do not use a damaged or defective product.

3 Description

3.1 Overview of the product




Pos.	Item	Function
A	Touch screen	Controls the product
B	Handle	Safe hand hold to carry the product
C	Needle holder	Holds the needle when the product is not in use
D	Needle	Connector to insert into the inlet valve of the ball
E	Hose	Extendable hose
F	Quick coupler	Connector for optional equipment
G	Main switch	To turn on and turn off the product
H	Socket	Connector for the power cable

3.2 Audible alerts of the product






Sound	Meaning
A beep sound	The ball is at the preset pressure or the calibration cycle is finished.

3.3 Descriptions of the touchscreen








3.3.1 Indicator balls

Item	Color	Meaning
	Blue	The product is ready for use
	Yellow	An action is in process
	Green	An action is complete
	Red	There is a fault



3.3.2 Navigation buttons

Item	Descriptions
	Help button
	Menu button
	Settings button
	Settings adjustment button
	Password button

3.3.3 Control buttons

Item	Descriptions
	Increase pressure button
	Decrease pressure button
	List button
	List button
	Return to main screen button
	Start button
	Save button

3.3.4 Pop-ups

Item	Name	Function
	PIN pad	To enter your PIN (Personal Identification Number)
	Keyboard	To give a ball type a new name

3.4 Working principle

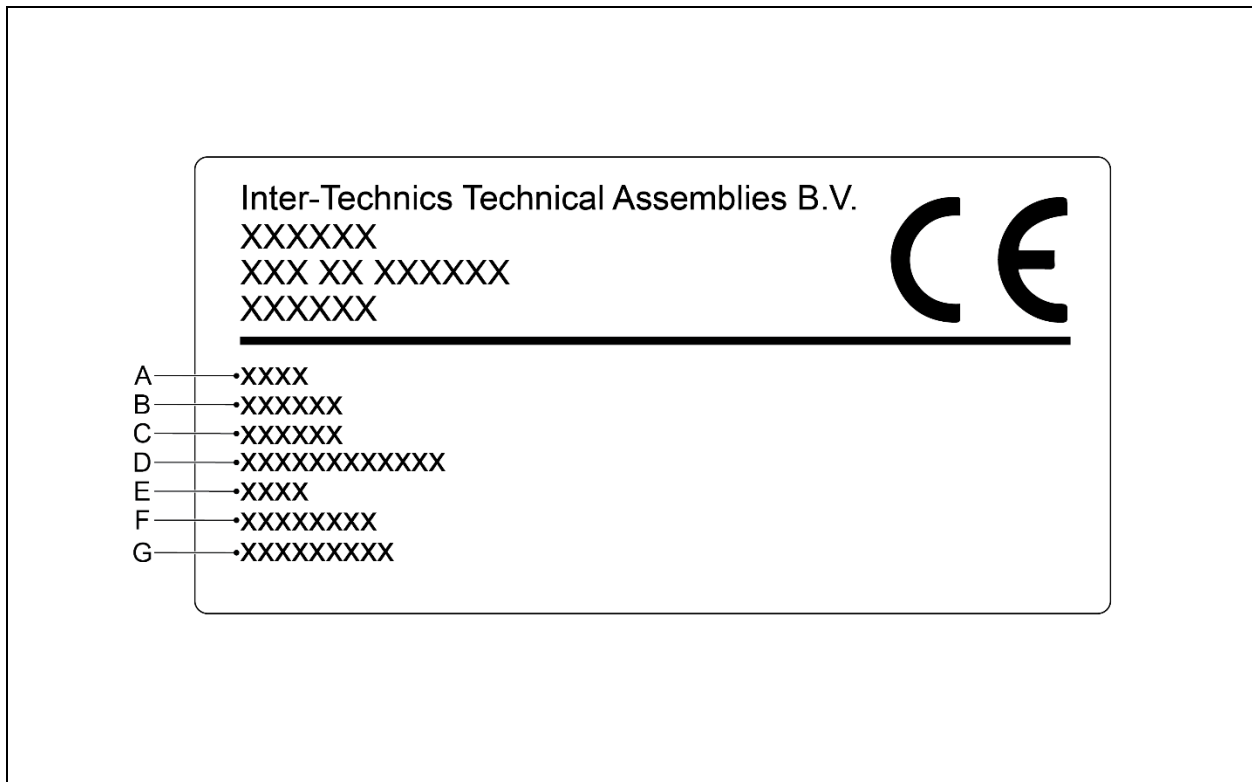


Note:

For an overview of the allowed specifications, refer to chapter 7.

The product uses a pneumatic air compressor and a sensor to inflate or deflate different ball types to customizable settings.

3.5 Type plate



- | | |
|---|----------------------------|
| A | Model |
| B | Product number |
| C | Serial number |
| D | Maximum operating pressure |

- | | |
|---|------------------|
| E | Power |
| F | Power supply |
| G | Manufacture date |

4 Instructions for use

4.1 Preparation before use



Warning:

Do not use the product if it is damaged.

1. Visually examine the product for damage.
2. If you see damage, contact Inter-Technics Technical Assemblies B.V.
3. Connect the product to the power supply. Refer to section 4.3.

4.2 Install the product on a wall (optional)

1. Select a safe location for the installation.
 - a. The location must be dry and protected from the weather.
 - b. Access to a power supply must be available.
 - c. The wall must be robust.
2. Put anchor fasteners into the wall. Use the specifications in section 7.1.
3. Lift the product onto the anchor fasteners. Use the handle.

4.3 Connect the product to a power supply



Warning:

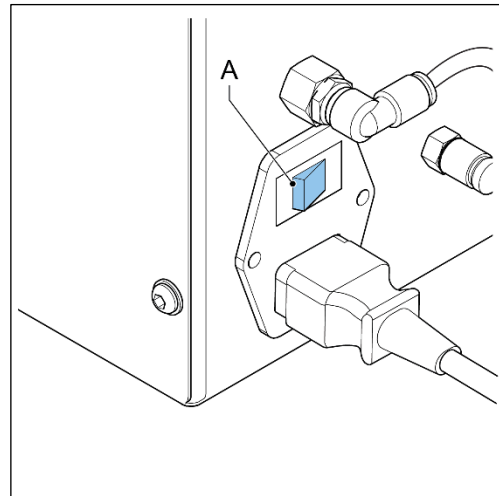
Make sure of the items that follow to avoid personal injury and product damage:

- The power supply complies with all local safety requirements.
 - The power supply meets the specifications of the product. For these specifications, refer to the type plate or section 7.2.
 - The cable of the power supply complies with all local safety requirements.
1. Put the connector of the power supply cable into the socket of the product.

5 Operation

5.1 Start or shut down the product

1. Put the main switch (A) into the on position.
 - a. The LED comes on.
 - b. The **main screen** appears on the touchscreen.
2. When ready to shut down the product, put the switch into the off position.



5.2 Inflate or deflate a ball



Note:

Refer to the documentation of the ball to find the correct air pressure setting.

1. Start the product. Refer to section 5.1
2. Select the ball type. Refer to section 5.2.1
3. Use the 'pressure' buttons to fine tune the air pressure.
4. Insert the needle of the product into the valve of the ball.
 - *The product immediately begins to inflate or deflate the ball.*
 - *The **indicator ball** on the screen becomes yellow.*
4. If the inflation or deflation does not automatically begin, tap on the 'start' button,

When the ball reaches the correct air pressure:

 - *the audible alert is heard.*
 - *the **indicator ball** on the screen becomes green.*
5. If the **indicator ball** becomes red, refer to Troubleshooting section 8.
6. Remove the needle from the ball.
7. When ready, shut down the product. Refer to section 5.1

5.2.1 Select the ball type

1. On the **main screen** tap the 'menu button'.
 - *The ball selection screen opens.*
2. Tap on the 'list' buttons to move through the list of ball types.
3. At the desired ball type, tap the 'return to main screen button'.
 - *The touchscreen goes back to the **main screen**.*

5.3 Customize a ball type

**Note:**

You can make a preset of the pressure and a name for up to 9 different ball types.

Pre-requirement: you must have the 4-digit PIN number that is printed on the purchase invoice.

1. Select the ball type that you want customize. Refer to section 5.2.1
2. Make the new ball type. Refer to section 5.3.1
3. Make the air pressure setting for the new ball type. Refer to section 5.3.2
4. If the pressure of the ball does not feel correct, repeat steps 2,3, and 4.

5.3.1 Make a new ball type

1. At the selected ball type, tap the 'settings adjustment button'.
 - *The 'password button' appears.*
2. Tap the 'password button'.
 - *The **PIN pad** popup appears.*
3. Give your PIN and tap 'enter' on the **PIN pad**,
4. Tap on the 'settings adjustment' button.
 - *The 'settings adjustment screen' appears.*
5. At the top of the screen, tap on the name of the ball type.
 - *The **keyboard** popup appears.*
6. Write the new name for the ball type and tap 'enter' on the **keyboard**.
7. Tap the **save** button.
 - *The new name of the ball type is saved.*
 - *The ball type is ready for the calibration of the pressure preset.*

5.3.2 Calibration procedure

1. When you see the screen with the newly saved ball type, insert the needle of the product into the valve of the ball.
2. Tap on the 'pressure' buttons to set the pressure to ± 0.20 Bar.
 - *The 'start' button appears.*
3. Tap the 'start' button.
 - *The calibration starts. The calibration takes ± 30 seconds.*
 - *The yellow **ball indicator** appears on the screen.*

When the calibration is complete:

 - *the audible alert is heard.*
 - *the **indicator ball** on the screen becomes green.*
4. Remove the needle from the valve of the ball.
5. Tap the **save** button.
 - *The setting of the ball type is saved.*
6. Ignore the readout of the air pressure.
 - *The readout is not significant at this time.*
7. Tap the 'return to main screen' button.
 - *The touchscreen goes back to the **main screen**.*

6 Maintenance

6.1 Maintenance schedule

Part	Task	Limit	Procedure
Hose and connections	Check the condition	Monthly	Section 6.2
Condenser of the compressor	Drain the water	Monthly	Section 6.3

6.2 Check the condition of the hose and connections

1. Look for signs of wear.
2. Look for cracks.
3. Start the product. Refer to section 5.1.
4. Inflate or deflate a ball.
5. Listen for the sounds of a leakage.
6. If you find a fault contact, Contact Inter-Technics Technical Assemblies B.V.

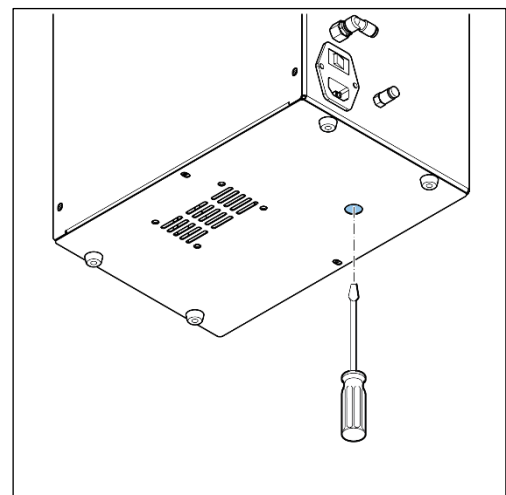
6.3 Drain the water of the condenser



Warning:

The tank can be pressurized. Release the pressure and water carefully. Do not remove the plug

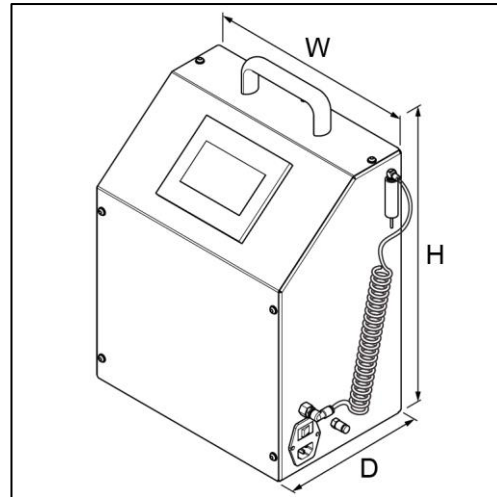
1. Disconnect the power supply from the product.
2. Carefully release the pressure and water. Loosen the plug with a screwdriver. Do not remove the plug.
3. Tighten the plug.



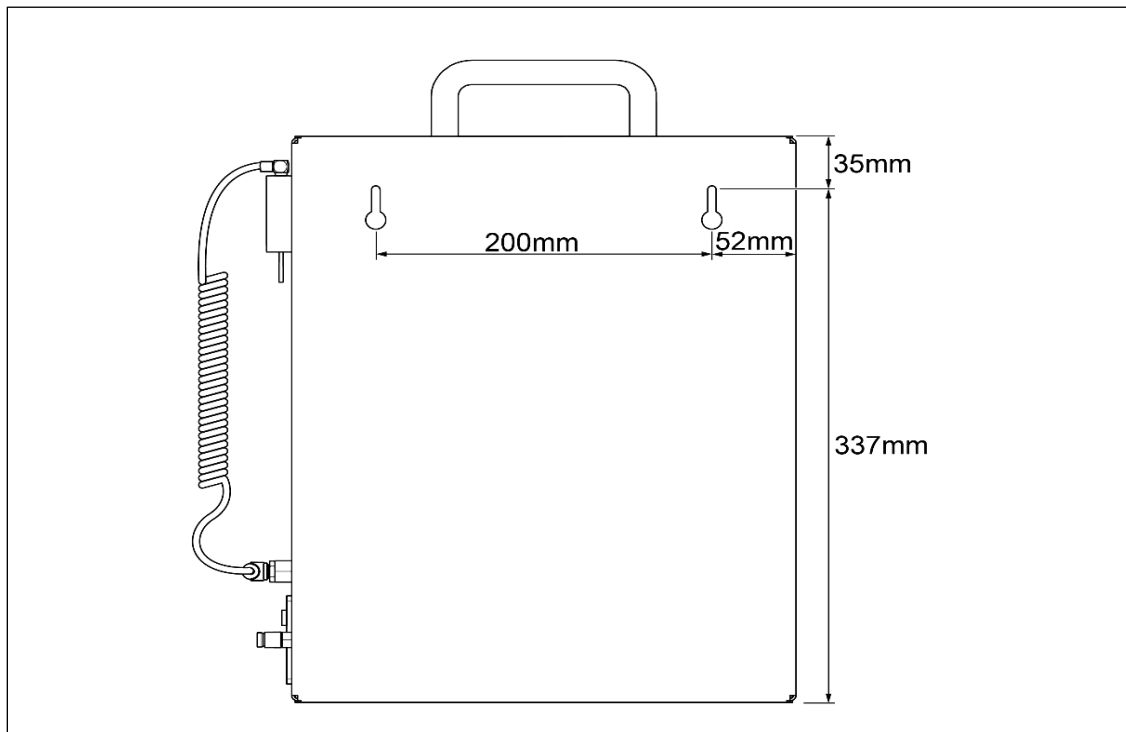
7 Technical data

7.1 Dimensions

Item	Specification
DxWxH	200 x 300 x 385 mm
Weight	8,5 kg



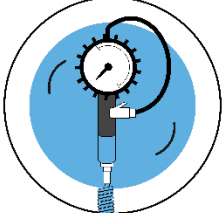
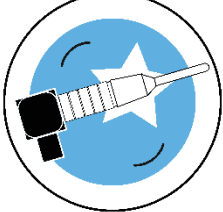
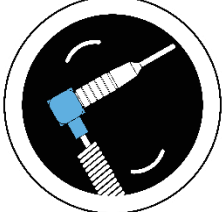

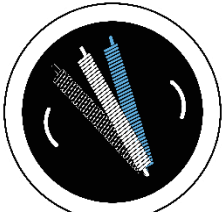
7.2 Specifications for installing the product on a wall



7.3 Operational specifications

Item	Specification
Maximum operating pressure	0-0.7 MPa (0-7 bar)
Power	75 W
Power supply	230 VAC + N + PE 50Hz
Operating temperature range	0-50° C
Storage temperature range	-10 - +60° C
Operating humidity range	35-85% RH
Noise level	70 dB

7.4 Accessories

	Item	Part number
	Tire pump with coil tube 2.5 meter	ASX015
	Ball needle with fitting	ASX016
	Ball needle with coil tube 1.5 meter	ASX017
	Blowgun with coil tube 2.5 meter	ASX018
	Coil tube 1.5 meter	ASX019
	Coil tube 2.5 meter	ASX020

8 Troubleshooting

8.1 Troubleshooting procedure

1. Try to find a solution for the problem with the help of the troubleshooting table.
2. If you cannot solve the problem, contact Inter-Technics Technical Assemblies B.V. Refer to section 1.4.

8.2 Troubleshooting table

Problem	Possible cause	Possible solution
The product will not start	No power	Do a check of the connection of the power supply
		Do a check of the fuse of the power socket
The indicator ball of a fault appears on the touchscreen	An incorrect ball type is selected.	Select the ball type that corresponds with the type of the ball.
	The ball has a leak	Do a check of the ball
	The hose of the product has a leak	Do a check of the hose