

AirWave[®] PRO

OPERATING INSTRUCTIONS



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Safety guidelines

Please read the safety guidelines and operating instruction closely before using the machine.



- Turn off the machine and disconnect power before opening the machine or performing any repair or maintenance work on the machine.
- Switch off the machine if it will not be used for an extended period of time.
- Do not insert any objects into the machine when it is connected to power.
- To prevent the risk of electric shock, ensure that the machine does not come into contact with liquids.



- Do not operate the machine without the covers for the machine components.
- Keep hair and loose clothing away from the film feed mechanism.
- Place the machine only on surfaces that are adequately large, stable, flat, and horizontal.

This machine is designed for safe operation in compliance with the use, instructions, and guidelines specified in these operating instruction.

All persons who use this machine must be familiar with the content of these operating instructions and must carefully follow the safety guidelines.

FLOETER shall not be responsible for damage resulting from improper use of the machine or non-observance of the safety guidelines.

Air cushion types – Type 7 filler

Our standard version – Polyethylene 20 µm



Type 7.1 AirWave air cushion filler 100 x 210 mm; 20 µm; 700 m
Ideal for filling small voids and for use as an intermediate layer



Type 7.2 AirWave air cushion filler 150 x 210 mm 20 µm; 700 m
Ideal for filling medium-sized voids and for use as an air cushion ring



Type 7.3 AirWave air cushion filler 200 x 210 mm; 20 µm; 700 m
Ideal for filling large voids



Type 7.4S AirWave air cushion filler 130 x 280 mm; 20 µm; 600 m
Ideal for filling large voids



Type 7.5S AirWave air cushion filler 240 x 280 mm; 20 µm; 600 m
Ideal for filling large voids

All type 7.x are also available as Jumbo rolls with more running meters per roll, and also in 15µm or 12µm, in pink antistatic version, in our „Heavy Duty“ Version made of compounding material, or as 100% biodegradable and paper material. Get in touch with us.

Air cushion types – Type 8 wrapper

Our standard version – Polyethylene 20µm

8.1-8.6 with 450 m; 8.3XL/8.4XL (600mm) with 300 m



Type 8.0 AirWave wrapper 420mm 1 large chamber; 20µm; 450 m
1 large chambers for large volumes and for use as a top layer



Type 8.1 AirWave wrapper 420mm 2 large chambers; 20µm; 450 m
2 large chambers for large volumes and for use as a top layer



Type 8.2 AirWave wrapper 420mm 2 small chambers; 20µm; 450 m
2 chambers for moulded components, edge protection, and wrapping



Type 8.3 AirWave wrapper 420mm 4 chambers; 20µm; 450 m
4 chambers for use as an intermediate layer, wrapping, and envelope



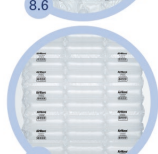
Type 8.4 AirWave wrapper 420mm 8 chambers; 20µm; 450 m
8 chambers for use as an envelope and intermediate layer



Type 8.5 AirWave wrapper 420mm 7 wavy chambers; 20µm; 450 m
7 chambers for use as an envelope and intermediate layer



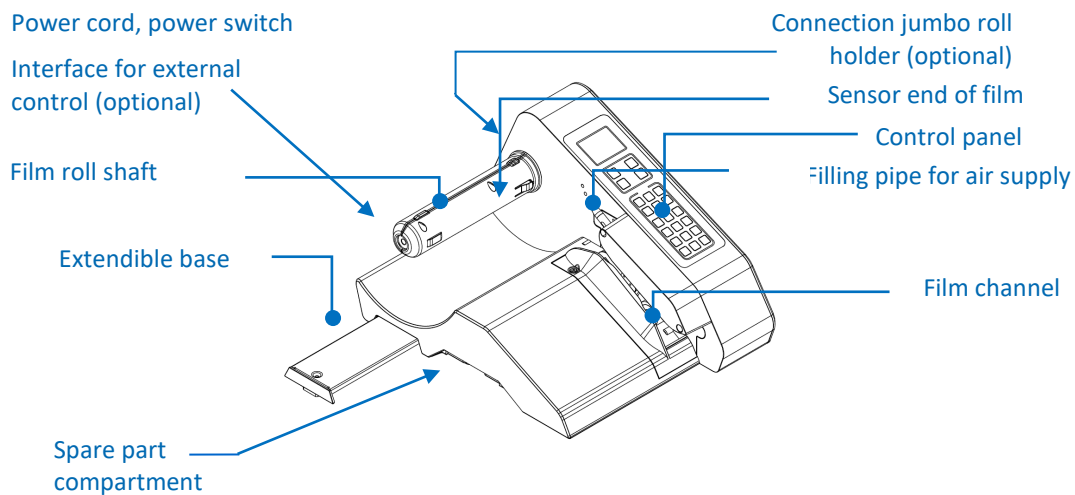
Type 8.6 AirWave wrapper 420mm cloud type chambers 20µm 450lfm
4 chambers for use as an envelope and intermediate layer



Type 8.9-600 AirWave wrapper 600mm 3 chambers; 20µm;450lfm
3 chambers for use as an envelope and intermediate layer

All type 8.x are also available as Jumbo rolls with more running meters per roll, and also in 15 µm or 12 µm, in pink antistatic version, in our „Heavy Duty“ Version made of compounding material, or as 100% biodegradable or paper material. Get in touch with us.

Machine overview



Technical data

Power supply:	230 V; 50 Hz / 120 V; 60 Hz
Power consumption:	200 W (20 W Stand-By)
Production speed:	6/12/18/24 m/min
Weight:	5,85 kg
Colour:	Standard: anthracite / blue (individual on request)
AirWavePRO dimensions (LxWxH):	413 x 316 x 232 mm (extendible base 150mm)
Bluetooth interface:	optional

Recommended settings

Cushion Type	Recommended Temperature [°C]	Recommended Air Volume [%]
PE (20µm) / ClimaFilm (20µm):		
7.1	170-180 (V1)	26-30
8.3	170-180 (V1)	65-70

All other settings for Floeter air cushion chains and mats can be found [here](#):



AirWave PRO

Accessories and spare parts



Hex key (4 pcs)



Teflon belt (1 pcs)



Knife (1 pcs)



Power cord (1 pcs)



Fuse (1 pcs)

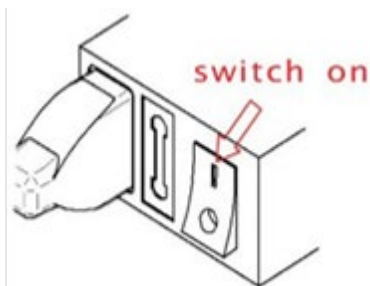


Film guide pins (2 pcs)

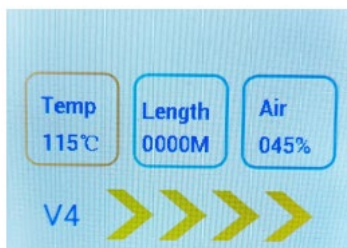


Distance ring

Operating instructions

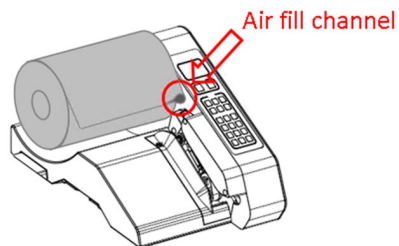


Connect power to the machine and switch on the machine.

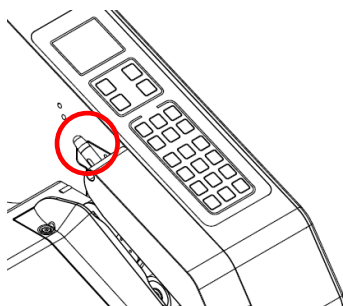


The start screen will appear automatically after approximately 3 seconds on the control panel.

Insert film roll

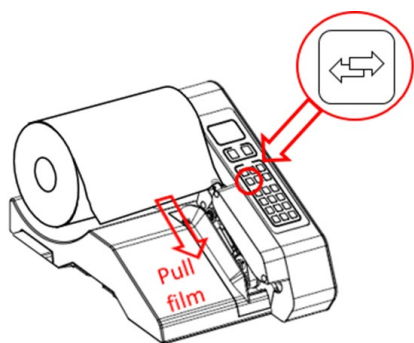


Load the roll of film on to the film roll shaft. Please note the side of air fill channel of the film. The channel must be on the side closest to the machine.



Guide the air fill channel of the film onto the air nozzle. Slide the film on the air nozzle a few more cm forward in direction of sealing unit. That will simplify the next step.

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Pull the film above the air nozzle and through the film channel. Press the "IN/OUT button" and pull the film all the way through.



The corner of the film can be cut at an angle to make it easier to fit the film over the air nozzle.

Control panel settings

Use the control panel to set the sealing temperature, film length, and air volume. Once a roll of film is loaded and all settings are correct, press "Start" to start the production of air cushions.

Setting the sealing temperature



The preset sealing temperature is 115°C.

To change the sealing temperature, press "SET" and enter the required temperature. For slight changes use +/- buttons. Press „ENTER“ to continue and „ESC“ to end adjustment function.

The sealing temperature can be set between 50-150°C.

Setting the film length



The length of the air cushion strand you want to produce can be preset in meters, as needed. This value is set to 0 by default, which means endless production of air cushions until the "STOP" button is pressed or the film roll comes to an end. Press three times "SET" and enter the requested length. Press „ENTER“ to continue and „ESC“ to end the adjustment function. Press "START" to start the production. The machine will stop automatically once the preset air cushion strand length has been reached.

Please note: the machine will save the set length until you delete or change the length.

Setting the air volume



Set the air volume you want by pressing the buttons "+" and "-" next to the display. The air volume can be set between 0 - 100 %. Use the recommended air volume for the respective film types.

Setting speed



Set the needed speed volume by pressing "Speed" on the control panel. The speed is divided into four levels, which are V1=6m/min, V2=12m/min, V3=18m/min, V4=24m/min.



Preset and lock function

Four presets with temperature, air volume and blowing time are possible for a quick selection. Programming the presetting can be done at programming level.

To **program or change a preset** press 2-3 sec."0" and enter "4-5-6". Press "SET" to get to the requested value. Adjust setting and press "ENT" to continue and get to the next setting. Press "ESC" to get back to main menu / control level.

M1	115°C	V4	045%	-0.05
M2	120°C	V3	100%	+0.05
M3	095°C	V3	035%	-0.05
M4	100°C	V4	040%	+0.05

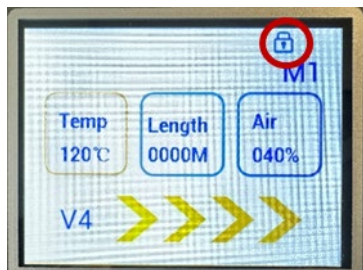
Factory-adjusted: M1 for type 7.1 PE-Film 20µm; M2 for type 8.3 PE-Film 20µm

For **quick selection** you have to be at main menu / control level. Press long time the number of requested program position and settings will be set. 1, 2, 3 or 4.



Control panel can be locked, to prevent setting changes by unauthorized person.

Please ask your foreman for the code to lock or unlock the control panel.



Change the blade

You can easily change the blade for AirWavePro yourself.

Step 1: Switch off the machine and disconnect power



Always switch off the machine before opening it.



Disconnect power to the machine by removing the power cord completely from the machine.
Allow the machine to cool down!



You must follow this step. It is for your safety.

OPERATING INSTRUCTIONS



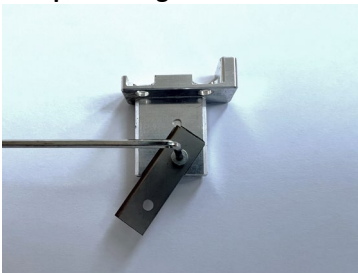
Loosen the retaining screws on the outer cover.



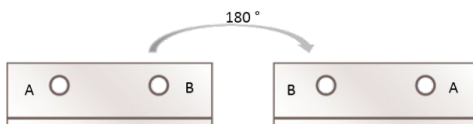
Remove the blade retainer.

CAUTION! Even used blades are extremely sharp!

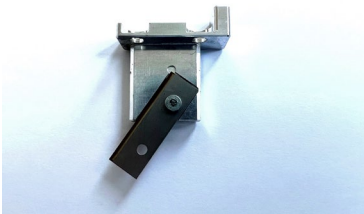
Step 3: Change blade



Loosen the screws securing the blade



Turn around the blade one time 180° or apply a new one if both sides were already used.



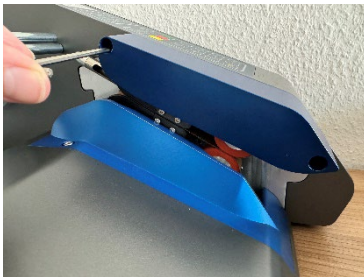
Fix the blade with the corresponding screw carefully - not too hard.

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Step 4: Insert the blade



Insert the blade into the slot at the machine casing and fixing it carefully with the screw.



Reinstall the cover and fix it carefully with the screws.

Change the Transport belts

You can easily change the Teflon belts for AirWavePRO yourself.

Step 1: Switch off and disconnect power



Switch off the machine and disconnect power
Always switch off the machine before opening it. **Disconnect power** to the machine by removing the power cord completely from the machine.



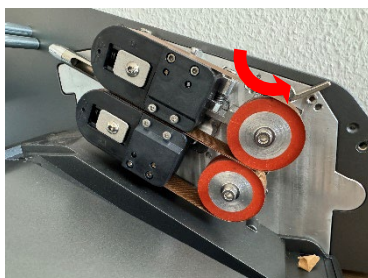
Allow the machine to cool down!

Step 2: Remove the covers



Undo screws and remove the upper cover first and after that the lower cover.

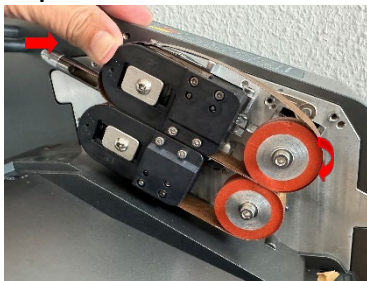
Step 3: Loosen transport rolls



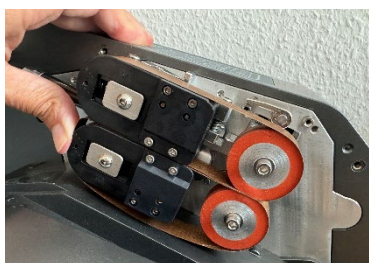
Turn the tension lever to move the transport rolls apart.

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Step 4: Release PTFE belt



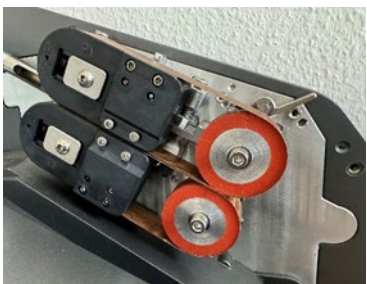
Push heating unit and release the tension for the transport belt. Remove the slackened transport belt.



Step 5: Insert new PTFE belt



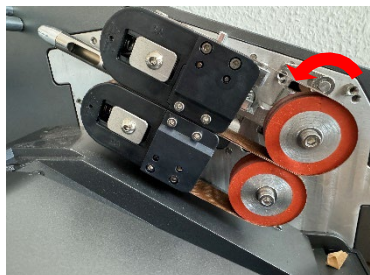
Place the heating unit, place the new belt on the heating unit and the silicone wheel and release the pressure.



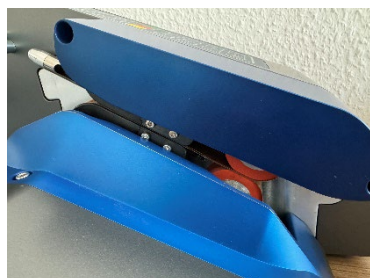
Gently turn the rollers to check whether the belt is situated correctly between the seal pads. The belt should be able to move free.

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Step 6: Tension the levers, close the machine.



Turn the tension lever back to the left to press the transport rolls against each other.



Fit the covers of the Teflon belts and screw them carefully with the prepared hex key. Lower cover first and then the upper one.



Now you can reconnect the power cord and switch on the machine.

Film guide pins

For a more effective air volume or better film guide for the film Types 8.3 - 8.5 use the two guiding pins.



Screw the pins at the machine casing



Thread the film trough the pins and over the airpipe.
Start production.

Error codes

The AirWavePro has an integrated diagnostic program. In the event of an error, an “E” code will appear on the display. This code will help you correct the error:

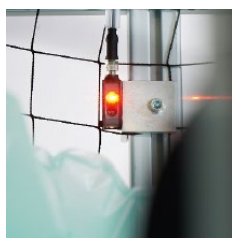
- „Foil Empty“: film roll empty.
- „Check Foil“: refeed film on to the airpipe
- „Error heater“: please contact our Floeter Service if this Error will occurs repeatedly or if it would not be possible to quit.

Options and expandability

Please contact your sales advisor for further information.



Distance controlled production by Bluetooth connection.
With tablet or smartphone



Fully automated control by the installation of a filling level sensor.

Optimal for overhead compartment or mobile air cushion storage.



Start-/Stop function with foot pedal.

For a production on demand. Even if you have no free hand or if machine is inaccessible.



AirWave 1/2/PRO Jumbo roll holder
for bigger rolls



AirWave 1/2/PRO Overhead Solution
For an automated air cushion stockage in ideal working height

OPERATING INSTRUCTIONS



AirWave1/2/PRO Rolling basket

always brings your air cushions to the ergonomically correct working height. Locally flexible.



AirWave 1/2/PRO Mobile table solution

Bring your machine to the ideal working height.
(compatible with Docking station)



AirWave 1/2/PRO Docking station

For an decentralized consumption with mobile rolling container completely independent of machine position.



AirWave1/2/PRO Coiler Unit

For the production of endless rolled sheets of the cushion mats

Maintenance & Cleaning

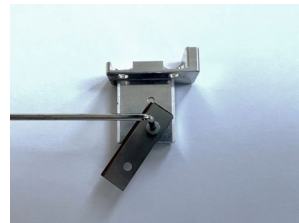
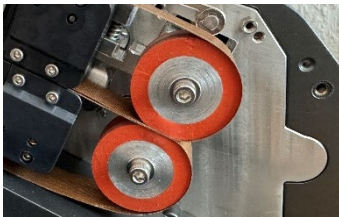
The AirWavePRO is a low maintenance machine.

Mechanically claimed parts can show traces of abrasion after certain operating time. Furthermore there can occur contamination or residue of at the AirWavePRO.

Our recommendation:

All 30 roll changes and on demand:

- 1) Check Teflon belts and replace as the circumstances require
- 2) Check red transport rolls regarding contamination and grip clean or replace if necessary
- 3) The gear wheels always need to be sufficiently greased
- 4) Check knife, see the cutting of the film, if necessary turn 180° or replace
- 5) If necessary clear the machine of contamination and residue of film. Consider also knife slot at air pipe, sealing block and other areas of the machine.



Warranty

AirWavePRO has a 12-month manufacturer's warranty that covers all electronic and mechanical components. The warranty period starts automatically when you purchase the machine.

In the event of damage, please contact our back office (please see contact below).

If the machine needs to be send back to us, please follow the steps discussed with our service team.

Your machine will be returned to you immediately once the repair is finished.

If you need a replacement machine, the warranty period will continue from the receipt date of the first machine. The warranty will not be extended.

The scope of the warranty does not include the following:

- Damage resulting from improper use of AirWavePRO:
- This includes, in particular, damage caused by using unsuitable films or inserting foreign objects into the machine's transport belts.
- Wear and tear caused by regular use
- Wearing parts, in particular, Teflon transport belts, knives, and transport rollers
- Damage caused by machine downtimes

Contact:

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Declaration of Conformity

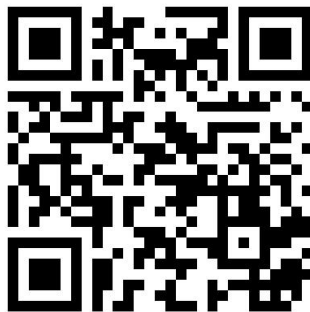
The machine AirWavePRO and it's equipment is compliant with the relevant harmonized standards listed according to the European EMC Directive, 2014/30/EU and LVD Directive 2014/35/EU. The compliance was verified by an independent specialized certifying company.

Technical records available on request.

Support and Service

If you need support, advice or do you have any questions?

We are here for you: www.floeter.com/en/support/



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