User Manual Hotfog RLVM A3 Version 3A 16072020



Besteman Techno Support

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Dutch Royal Metal Union Member

TABLE OF CONTENTS

PREFACE	3
1. SAFETY REGULATIONS AND ACCIDENT PREVENTION	4
2. HANDOVER AND INSTRUCTION FORM	6
3. TECHNICAL INFORMATION	7
4. OPERATING OF THE BTS RESONATOR SPRAYER	8
5. CONNECTION AND OPERATION	12
6. MAINTENANCE AND CLEANING	16
7. PROBLEMS AND FAULTS	17
8. STORAGE AND DISPOSAL	18
9. ELECTRICAL DIAGRAM: HOTFOG RLVM A3	20
10. PART LIST	21
11. CONFORMITY STATEMENT	25

Preface

You have made the right choice with your purchase of the Besteman Techno Support Resonator Hotfog RVLM A1. Besteman Techno Support has constructed and produced this misting device with due care. Make sure you will benefit most by carefully following the safety, use and maintenance instructions in this owner's manual.

We strongly recommend that you read this user manual carefully and follow the instructions and directions it contains. Always keep the user manual within reach of the Resonator HOTFOG RLVM A3. The user manual is an inseparable part of the Besteman Techno Support Resonator nozzle.

Anyone working with or in the vicinity of the Resonator HOTFOG RLVM A3 must be aware of the dangers of an operating Resonator HOTFOG RLVM A3 device.

Besteman Techno Support is not liable for damage as a result of operating errors, lack of expert maintenance and any other use than described below.

Permitted Usage

The Hotfog RLVM A3 is exclusively and only intended for spraying sprout inhibitors in potato sheds. The droplets are microscopic in size and therefore remain floating in the room for 12 hours after using the device. The agent spreads in the storage shed and penetrates through a hollow floor and / or network of corridors into the potato mountain between the potatoes, so that the agent can adhere to the product. Any other usage of this device can result in damage to the device and / or the environment or in personal injury.

Terms of delivery

The General Terms and Conditions of Sale and Delivery of the Koninklijke Metaalunie (Royal Metal Union) apply.

Patent

This self-priming nozzle has been patented under No. 1318331. Copying or using this type of self-priming sprayer will be legally challenged.

Notification

The utmost care has been taken in this user manual. If, despite this concern, any inaccuracies or ambiguities are stated, we expressly accept no liability for any resulting damage and / or consequential damage. Besteman Techno Support's liability expires as soon as you or third parties perform work - such as expansion - on the BTS Resonator without the consent of Besteman Techno Support.

Warranty and liability provisions in the general terms of delivery of Besteman Techno Support are not extended or replaced by the foregoing and following.

Blockages of the sprinkler and / or filter and liquid administration are not part of the warranty of Besteman Techno Support.

No rights can be derived from this user manual.

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Address: Molenlei 1H 1921CX Akersloot The Netherlands tel: 0031- (0) 653753106				
Type:	Hot Fog RLVM A3	Serial no.:		
Volt:	220/240	Amp:	10	
Year:	2020	Weight:	13kg	

1. SAFETY REGULATIONS AND ACCIDENT PREVENTION

Read before using the device!

Important points of attention!

Read, understand and obey the following safety rules before operating the device. Failure to observe these safety rules can lead to damage, fire or accidents.

- Read this User Manual before you start working with the BTS HotFog RLVM Make sure you know exactly how to operate the BTS Resonator HOTFOG RLVM A3 safely and what risks are associated with the machine.
- 2. Make sure that the device is set up in a stable manner during use, for example, in such a way that the device cannot slip and / or fall over.
- **3.** Always test the functioning of the resonator outside before actually starting the misting treatment. Each agent reacts differently to the Resonator nozzle. Check whether it is properly adjusted during misting!
- 4. When filling the liquid tank, smoking and the use of any ignition source are strictly prohibited. Remove all ignition sources.
- 5. The Hotfog RLVM is exclusively and only intended for nebulizing agents for which the Hotfog RLVM is intended. Any other use can lead to damage to the device, injuries to persons and / or the environment.
- 6. Always use a grounded outlet connected to a circuit across a residual current device (30 milliamps). Make sure you know exactly to which plug group the socket is connected.
- 7. Disconnect the BTS HotFog RLVM from the total power during maintenance.

8. Risk of injury due to improper maintenance!

If maintenance is not performed properly, the machine may not function properly and there is a risk of injury or malfunction. For example, put a warning on the Resonator HOTFOG with the warning text: *"Maintenance work: out of order"*

9. Risk of injury to the machine!

Make sure that authorized persons are familiar with the working method of the BTS HOTFOG RLVM and are aware of the risks of working with the BTS HOTFOG RLVM.

10. Risk of injury if the pictogram sticker (s) is / are not properly or can no longer be read. Make sure that the warning stickers (pictograms) are always legible and replace them immediately if damaged.

11. Use of correct parts.

Make sure that original Besteman Techno Support or CE-certified accessories / parts are always used for maintenance or replacement. If original Besteman Techno Support accessories / parts are not used, proper operation cannot be guaranteed, the warranty will lapse at that time.

12. Operation by persons 18 years of age or older.

The machine may only be operated by persons aged 18 and older, provided they have read the user manual / operating manual.

13. Maintenance by authorized persons.

Ensure that major maintenance or changes are carried out by persons authorized by Besteman Techno Support and that the machine is again examined for risks. There is a risk of injury if major maintenance or adjustments are performed incorrectly.

14. Stay away from spinning fans.

There is a risk of injury when making contact with the rotating fans of the BTS Resonator HOTFOG RLVM A3.

15. No chlorine!

Do not spray chlorinated products. This affects the stainless steel and the brass chrome parts.

16. Learn the icons and know what they represent. Ensure that the warning labels are legible and replace them immediately if damaged



17. Be aware of the hot parts of the device (risk of burns).

- 18. Do not transport the hot device in a closed car, and never with a full medium tank.
- 19. Check the device thoroughly every year, especially after using various agents.
- 20. Always clean (if you want to change agents) the Resonator and the tank with a cleaning agent specified by the agent supplier. If you use the Resonator LVM regularly, you can leave it filled with agent. In that case, no air enters the pipe, which prevents crystal formation.
- 21. <u>Be aware of your own personal protection!</u> <u>Prevent the danger of poisoning!</u>





- **22.** When spraying agents with the Hotfog RLVM, very small particles of crop protection agent are used. The contact with the agent is therefore great. In addition to absorption of plant protection product through the mucous membranes of the respiratory tract, there is a risk of absorption through the skin. This can cause very serious poisoning!
- 23. DO NOT enter a room where a Hotfog RLVM is running or has just run and where it has not yet been vented! After airing, avoid work in the nebulized room for as long as possible. If you still need to be in the room, take the necessary precautions.
 Always place a warning sign where it is nebulized with the following text: "Do not enter this room because of danger of

Always place a warning sign where it is nebulized with the following text: "Do not enter this room because of danger of poisoning! "

- **24.** If it is necessary to be in the room after treatment, it is necessary to provide adequate personal protection as prescribed by the manufacturer of the product.
- **25.** If it is not known which liquid was used last time, always clean the device completely before use. Only use the cleaning agents recommended by the supplier.
- 26. Make sure the level of the liquid in the tank is not higher than the sprayer.
- **27.** Wash hands and face after contact with the active substance before eating or drinking. Always follow the recommendation of the manufacturer of the active substance.
- 28. Never fill the tank for the agent with gasoline or another highly flammable substance.

29. When using (highly) flammable liquids for the atomization, pay attention to the following safety aspects:

- 1. Always have a fire extinguisher ready near device.
 - 2. Check the flash and ignition point for the liquids to be atomized. So do not atomize liquids with a flash point lower than 60°C in combination with an ignition point lower than 120°C. If the flash point is lower than 60°C, the ignition temperature must increase proportionally. At a flash point of 120°C, the ignition temperature must increase proportionally. At a flash point temperature must be at least 300°C.
 - 3. Never atomize more than 2.5 liters of a flammable liquid / 1000m³ or more than 10 liters of a highly flammable liquid viscosity almost equal to water with a water content of less than 50% per 1000m³ space.
 - 4. Do not spray flammable liquids in a closed space without ventilation or with an ignition point nearby (risk of explosion).

Protection of the building and the user

• Follow the application guidelines of the manufacturer or supplier of the active substances and nebulizing solutions used.

• Wear protective clothing recommended by the supplier of the active substance during spraying in the room to be sprayed.

2. HANDOVER AND INSTRUCTION FORM

Send this form to:

Besteman Techno Support Address: Molenlei 1H, Zip code: 1921CZ City: Akersloot Province: North-Holland State: Netherlands

HOTFOG RLVM type nr.A3
·
·
·
·
·
·
: (owner device)

The buyer and/or instructed person provide to be authorized and instructed to know the right usage of the above mentioned RLVM device by signing this form. Also, the buyer and/or instructed person provide to know and understand the possible dangers involved and the prevention thereof, according to the - on the backside mentioned - safety, and the in the user manual described safety regulations. By signing this form, the warranty scheme takes effect, according to the depicted guidelines and provisions as described in the (with the device) delivered proof of warranty.

(Place, date, signature of the buyer)

(instructed person)

Besteman Techno Support Molerlei 1H, 1821 CZ Akersloot

¹ Instructed person

3. TECHNICAL INFORMATION

The BTS Hotfog RLVM-A3 is a misting device / nebuliser / atomiser with a capacity of between 0 and 9 to 12 liters of water per / hour

The release values depend on:

- the viscosity retention properties of the liquid to be sprayed;
- the amount of liquid admitted to the nozzle (can be adjusted with the needle valve);
- the contamination of the bayonet filter;
- the height of the liquid/agent/substance tank.

Weight:	13kg A3
Material:	stainless steel 304
Voltage:	230 Volt
Power:	750 Watt
Volume of liquid tank:	65 ltr
Mist throw low culture:	50 m
Fan speed:	1400 rpm
Fan volume flow:	5100 m³ / h

Fan

Motor:	220V, 1 phase
Speed:	1400 min-1
Fuse:	Motor thermal fuse
Power:	0.07 kW
Air displacement (max):	$5100\ m^3/h$ (with free flow)

Liquid

Contents storage tank:	65 ltr div can be ordered.
Liquid delivery:	+/-0 to 3 liters of water / hour per sprayer.
Surface area:	4000 m2 (With stator impellers)
Surface area:	800 tons of potatoes

Electricity

Supply RLVM:	220tm240, 1 phase
S control box:	Plastic
Safety class:	IP 54
Fused:	10 Amps

Dimensions

Length:	(0.56 m)
Width:	(0.50 m)
Height:	(0.56 m)

4. OPERATION PROCESS OF THE BTS RESONATOR SPRAYER

With the Hotfog RLVM you can spray agents that increase the shelf life in potato storage. The droplets are microscopic and therefore remain floating in the room for up to 12 hours after use. The agent spreads in the greenhouse, shed or cell and penetrates between the product and attaches itself to the product. The administration must therefore take place when one is no longer in the room. Room treatment with the Hotfog RLVM must always be performed in a closed room. After approximately 8 to 12 hours after the treatment, the room can be ventilated if necessary.

The air stream that blows through the nozzle and exits at the venturi on the inside of the nozzle has the shape of a cone and is hollow. A vacuum is created in the cone so that the liquid is sucked up from the tank. The liquid then mixes with the air in the BTS nozzle, after which the liquid collides with the vibrating resonator at a speed of over 700 km / h at 4.5 bar, creating the desired fine mist. A fan is mounted behind the nozzle that blows in a targeted manner without turbulence. As a result, the crop protection agent is carried along by the air flow and regularly distributed over the space. This technique can mainly be used with tougher liquid products and products that must have a specific evaporation value as the end result. In this method, the liquid is heated from 70 to 120 degrees in order to obtain a good processing and evaporation viscosity. This makes it unnecessary to dilute the liquid. The application of the Hotfog RLVM is most optimal when there is a reasonably large temperature difference between inside and outside, so that the natural air movement in the room contributes to the distribution of the agent in the room.

Components of the HOTFOG RLVM A3

- 1. BTS Resonator nozzle.
- Liquid supply.
 Fan position lock nuts.
 Bayonet filter.

- 5. Reducing valve.
 6. Orion or Euro air coupling.
- 7. Stock tank is loose at 65 liters.
- 8. Air temperature control.
- 9. Timer.
- 10. Air heating.
- 11. Stator impellers.
- 12. Fluid collector fan (to be ordered separately).
- 13. Resonator.



Figure 2a: Overview components HOTFOG RLVM A3



Performance cabinet (2020 version)



Power Supply.

Mode indicators. (Never never change the temperature setting).

Timer.

a.

b.

g.

h.

i.

- Liquid valve push button.
- Fuse 10 Amps.

Performance cabinet (2011 version)





- a. Heating indicator lamp.
- b. Working pressure too low indicator lamp.
- c. Power supply available indicator lamp.
- d. Security release reset button

Up key

d.

e.

f.

- Down key
- Mode key

5. CONNECTION AND OPERATION

Electrical power supply

The BTS Hot-Fog RLVM is powered by 220/240 V 50 Hertz low current. When the power supply cable is extended, it is important that it has a cross-section of at least 1.5 mm2 and is completely unwound from the reel. Before using the HOTFOG RLVM, always make sure that the wall socket has a grounding earth and that this socket also has a ground fault of 30 Milliampere. With an automatic control, the Resonator power supply is obtained by a multi-core plug.

Compressed air

Make sure that the final pressure of the compressor is at least 7 bar, and does not exceed 10 bar. The compressed air compressor must also always be placed outside the cell. The operating pressure for the Hotfog RLVM A3 2020 must be at least 5 bar and maximum 6 bar (5 bar minimum 60 to 70 1 / min). (This figure 3)



Figure 3 reducing valve with manometer.

Height of the BTS HOTFOG RLVM

The HOTFOG RLVM is easy to raise. Always let it mist freely in the room and mount it at an acceptable height of at least one meter above the potatoes. Set the desired spray angle by not tilting the fan more than 20 degrees. There is also a separate frame available to hang a 10 liter tank on the wall. This can then be mounted on the other side of the wall and can be placed up to 1 meter below the Hotfog RLVM. This tank can then be filled manually. There is also a liquid, condensation collection tray, which can be slid under the fan.

Fan position

To adjust the mist flow, the fan can be moved from its horizontal position:

- loosen the grip nuts (see Figure 3) on the frame (hold the fan pipe).
- set the fan pipe to the desired position (no more than 20° upwards).
- tighten the grip nuts on the frame again.

Make sure that the mist flow does not hit the crop and is directed into the open space, so that construction parts are not hit! (Use in a large area: let BTS advise you). If you are using the HotFog RLVM for the first time, let the Resonator Hotfog perform a test run first without being connected to the medium tank.

Filling the tank with crop protection agent

Always clean the agent tank well after use when using different agents. Always pass the products to be nebulized through a mesh sieve before putting them in the medium tank. Note: always ask for advice about the liquid temperature when mixing with water. Also consider the low boiling point. Adjust desired temperature (SP) & liquid start temperature (Alm) of the heating. This is because mixing with water takes place at various heat temperatures (depending on the type of agent). When the tank is filled with the agent to be nebulized, it can be placed back in the device. Make sure that the level of the agent in the tank is always lower than the Resonator nozzle.

Mixing mechanism for crop protection

Certain agents must be mixed. A mixer is not supplied as standard with the BTS Resonator, but can be sent on request. When the tank is filled with liquid that settles ($40/50^{\circ}$ C liquid), the lid must be put back on the tank. Always check that the vent in the lid is still open, otherwise a vacuum will form in the tank and no more agent will be atomized.



Figure 4: mixing mechanism

Liquid supply

The liquid supply is set at 2.5 to 3 liters per hour (viscosity of water). If the liquid is thicker, the spray capacity of liquid that is sprayed will decrease. After having nebulized a number of times, you will know exactly how much liquid the device nebulises per hour.

Statement: The less liquid is atomized per hour, the finer is the mist and thus the better will be the effect of the agent. This data goes up to at least 2 liters per hour.

If you see a drop hanging on the Resonator of the nozzle during testing, then the nozzle is getting too much liquid, or the air pressure must be lower or higher with this liquid setting. Every liquid reacts differently!

Pressure	Consume compressed air	Issue	Drop size
5 bar	60 ltr / min	2.5 - 3 liter (water)	$0 - \le 8 \text{ micron } 65\%$
6 bar	65 ltr. / min.	3 - 3.5 liter. (water)	$0 - \le 8 \text{ micron } 80\%$
7 bar	70 ltr. / min.	3.5 - 4 liter. (water)	$0 - \le 8 \operatorname{micron} 95\%$

Operation

Always wear protective clothing.

A timer has been placed on the Hotfog RLVMA1 A3, so you can operate the Hotfog RLVM automatically. Before plugging in the Hotfog RLVM, make sure you are using the same liquid as in the previous nebulization. If not: first check the liquid output and the spray pattern. When plugged in, always set the Resonator LVM protection first by pressing the reset button to set the protections.

Then the timer can be set. The speed of the liquid to be nebulized can be controlled by the speed of one air bubble in the liquid suction hose. This is the air bubble that can be introduced into the suction hose by disconnecting the suction hose and reattaching it immediately. The velocity of an air bubble in the fluid hose over 20 centimeters indicates the amount of fluid atomization per hour. Three liters per hour is a bubble speed of 20 centimeters in 6 seconds. See Figure 5. If you always use the same liquid, this only needs to be set once.

The temperature control is set to 450 degrees Celsius by default.

Cleaning the Resonator nozzle.

If the Resonator RLVM A3 starts cold, the nozzle can be cleaned by first cleaning the filter and leaving it out of the filter holder for a while (but put the filter housing back). Then press (page 13: 2nd photo) the liquid pulse button with at the same time of about 2 seconds, placing a plastic pass between the Resonator of the nozzle and the nozzle. Press the card lightly against the nozzle and the liquid line will be rinsed clean. This can be repeated a number of times. After this action, replace the filter (page 14 Figure 6).





Figure 6: Bayonet filter

Cleaning filter

Regularly clean the bayonet filter by turning it a quarter turn anticlockwise and holding the filter under the tap or rinsing or blowing with an air syringe.

Starting the HOTFOG RLVM-A1 / A3

- 1. Consider protective clothing.
- 2. Bayonet filter control.
- 3. Clean the tank (or check for any dirt in the tank).
- 4. Fill the tank with the liquid to be nebulized.
- 5. Dust off the resonator (in case of heavy pollution, clean with a washing-up liquid and hot water).
- 6. Compressor pressure at min. 8 bar.
- 7. Connect compressed air.
- 8. Check pressure at 6 bar working pressure.
- 9. Check that the Resonator is positioned in front of the hole in the nozzle, otherwise adjust.
- 10. Always check with a mirror that the resonator does not drop a coarse drop.
- 11. Turn on the power switch (it will light up).
- 12. Enable protection by pressing the reset button to the left of the control box. (Page 10. pulse button M)
- 13. Bring the timer to the desired fog time (1/4 of the theoretical fog time extra)
- 14. Based on 9 liters per hour, always check the liquid level after use.
- 15. When the temperature is reached, the liquid valve will open.
- 16. Check if the Resonator does not drip. If droplets do form, the resonator must be degreased and the compressed air pressure must be changed slightly.
- 17. The timer must be set in such a way that the Resonator atomizes the required liquid.
- 18. The liquid line must remain filled.
- 19. Clean the RLVM as described in chapter 5.

Adjustment of the BTS HOTFOG RLVM-A1 / A3

The speed at which the RLVM atomizes is linked to the time the Resonator has to warm up, and to the viscosity of the liquid. You can see how much liquid is atomized by monitoring the speed of an air bubble over a 60 cm suction hose. The 60 centimeters is indicated on the suction hose between the 2 red tape markings on the suction hose. If an air bubble needs 8 seconds to get from one tape to another tape on the suction hose, the nozzle will atomize ± 2 liters per hour. It is best to conduct a time measurement of the quantity of liters per hour with a measuring cup.

The treatment time must be adjusted according to the amount of liquid that the device nebulises per unit of time. The pressure reducing valve can be set to +/- 6 bar operating pressure. With the A3 at 7 bar operating pressure. This can be read on the pressure gauge.

6. MAINTENANCE AND CLEANING

Maintenance after each treatment.

- Liquid droplets from the fan and the grid can be collected with a specially made drip tray. This is available as an option from Besteman Techno Support.
- Make sure the Hotfog RLVM is unplugged.
- Before maintenance, clean the machine thoroughly with cleaning agent recommended by BTS.
- If the same liquid is used every time, which always remains liquid and does not harden, the liquid line and the tank can be left filled with the agent. No air or water is added, so the liquid will not crystallize. If it is allowed to crystallize at the nozzle, the heat of the nozzle will melt the crystals of the agent at start-up.
- Liquid line can be cleaned by putting cleaning liquid in the GBM tank (leave the lid off the tank).
- Switch off the heating by unplugging the power cord and then plugging it back in again.
- DO NOT reset (press security button).
- Then press the liquid push button in a pulsating way and then place it with a plastic pass of about 1mm between the Resonator and the nozzle during misting and press gently against the nozzle. Repeat this process over and over again.
- Cleaning fluid is then forced from the nozzle to the medium tank. Repeat this action until the pipe is clean.

Weekly maintenance.

- Check the compressor oil level.
- Check that the moisture in the compressor tank has been drained.
- Check that the liquid filter and the compressor filters are sufficiently clean, clean them if necessary.

7. **PROBLEMS AND FAULTS**

Problem	Cause	Solution
Spraying regularly stops spraying. / The Resonator regularly stops misting/nebulizing/atomising.	Needle valve blockage. Needle valve closed too much.	Open needle valve ¼ turn more (anti- clockwise).
	Filter RLVM is clogged	Clean the filter thoroughly.
	Suction hose of the RLVM is sucking false air somewhere.	Tighten the nut of the suction hose that connects the suction hose to the tank.
	Compressor has too much condensation water and is blocking the air supply.	Drain condensation water from the compressor pressure tank.
	Compressor air pressure reducing valve too low, OR pressure reducing valve of the	Set the compressor pressure reducing valve to at least 7 bar. Working pressure RLVM 4.5 to 6 bar
	RLVM too low.	(control drop formation Resonator).
Compressor does not start.	Starting current too low.	There is too much equipment on one stop group.
	Compressor has been in an area that was too cold.	Heat up the compressor and try to start it by setting the main switch to position 1. Do not start the Resonator yet.
	Compressor tank is still under pressure. The high pressure has not yet come out of the pressure pipe.	After consumption of air, the compressor will start automatically.
	Not enough power.	Use a 2.5 mm extension cord and the correct voltage.
	Thermal protection of the compressor has tripped.	Turn the protection back on by flipping the switch. See the compressor manual.

8. STORAGE AND DISPOSAL

BTS can supply a special transport trolley for transporting up to two Hotfog RLVM devices.



Storage

- Unplug the Hotfog RLVM from the mains.
- Clean the Hotfog RLVM, with a soft brush if it concerns dry contamination (crystallization of plasticizer for example).
- Degrease the Resonator with a scouring cloth / do not brush.
- Thoroughly clean the Hotfog RLVM with an agent recommended by the agent supplier. But never clean with an acid,
- ether, or thinner. These agents affect the rubber materials.
- Check the Hotfog RLVM for loose parts and any defects.
- Perform all points in the maintenance chapter (page 15).
- Store the Hotfog RLVM in a covered and frost-free place.
- Grease areas susceptible to rust.
- Prevent minors from coming into contact with this device.

Removal

After a long period of intensive use, the Hotfog RLVM needs to be replaced and the device must be disposed of safely and in an environmentally friendly manner. You can leave the removal to the supplier, but you can also do it yourself. If you dispose of the machine yourself, separate the different materials and present them to the local waste disposal authority. The oil and fat are small chemical waste and must therefore be processed as such.

9. ELECTRICAL DIAGRAM: HOTFOG RLVM A3



10. PARTLIST RLVM A3 2011

PART NO.	DESCRIPTION	QUANTITY
40001313	DOUBLE NIPPLE WITH BSPT WIRE 1/4"	2
ES2721222	PRESSURE SWITCH EXCHANGE 1/4 MS FPM 1-10 BAR INS	1
27MAW13	MAN COUPLER EURO RINO INSERTION NIPPLE ¼" MALE	1
E1410912	PRESSURE-REDUCING VALVE FR 1/4' 0/8 BAR PROTECTED 042-FR	4
51410613	1/4"-20-0-8 BAR-SS SEMI-AUTOMATIC	I
GAAB7XBF65	MAGNETIC VALVE GEVA 2/2 NC 230V 50/60 HZ 0.5-15 BAR 1/4" MS NBR VITON	2
20050613	STRAIGHT COUPLER MOUNTED KIK O-6 * 1/8	1
23170600	PIPEWORK Y-PIECE PLASTIC 6 MM	1
56114010	PRESSURE GAUGE 40 MM 0 / 10 BAR 1/8" REAR CONNECTION	1
3012136	DOUBLE LUG CLAMP MIKALOR 11 - 13 MM	2
40021317	PLATED REDUCING NIPPLE WITH BSP WIRE VR 3/8" BU X 1/4" BU BRASS NICKEL-	1
15MAW13	ORION MAN COUPLER RINO INSERTION NIPPLE 1/4" OUTSIDE	1
20090600	SDK- O-6 PARTITION LEADTHROUGH (PAGE 385)	1
3012144	HOSE CLAMPS 2 LUGS - STEEL GALVANISED	2
20010613	STRAIGHT MOUNTED COUPLER RIKP-O 6 * 1/4"	1
20040613	ROK-O 6*1/4" BI	1
AL21SB00	PLUG MAGNETIC VALVE GB STANDARD DIN 4365-A	1
701620	TOGGLE SWITCH A-E 16 A/250 V TYPE C1700ROAAF 16 (4) A / 250 V~ T85	1
701633-8A	TOGGLE SWITCH. E-E 16A TYPE C1710ROAAE 16 (4) A / 250 V~ T85	1
726940-8J	MINI SIGNAL LIGHT 220 V CLEAR	1
726923-8J	MINI SIGNAL LIGHT 220 V ORANGE	1
726915-8J	MINI SIGNAL LIGHT 220 V RED	2
9392051	CAPACITOR 4 MF 400 V DL=200	1
S804766	FAN EBM W4E315-CP18-31 (O 315 MM)	1
S805120	GRILLE EBM 64558-2-4039 84149000 (O 315 MM)	1
2221070	BAF U BESTEMAN ATOMISER TYPE BTS	1
2221208	PTFE PIPE 3X1 MM	0.15 m
10023725	O-RING VITON 51414 9 X 2	1
10500100	RING RX FPM 19 10 X 3	1
10500100	VITON RING RING RX FPM 19*10*3	1
51730 080 001	M8 LOCK NUT/RING SS A2 6K- KVP D985(1987)	2
51420 100 001	M10 D125 - 1A SS A2 WASHER/ZF KVP	2
51080 040 001	M4 D934919870 SS A2 6K – KVP NUT	4
51010 080 016	M8 X 16 D933 SS A2 6K -TAPB I4017(D933)	6
51080 080 001	NUT SS M8 SS A2 6K-KVT NUT	2

34190 040 012	OMNI PBR AL/SS A2 BEAM NAIL 4.0 X 1.2 MM	8
51420 080 001	WASHER SS A2 M 8 D125-1A /ZF KVP	8
732-436	21EN15TO44 (170/150)TERMINAL SWITCH, NC (OVERHEAD SAFETY)	1
163-4691	R13-24A-05-BR SWITCH PUSH BUTTON	1
133-7266	TEMPERATURE CONTROLLER MODEL E5CSV OMRON	1
505050		
585956	MULTION TO A CODODO AS TERMINAL ON/TOULNO AS SO	1
1006849	MULTICOMP 123A150BSR2-15 TERMINAL SWITCH NC 150 °C	1
1491472	CABLE SILICONE 3 CORE 1 MM ² PER METER	4
13913	HALEK ABS TERMINAL BOX CONV HCT-802 (240X120X100)	1
858090/61	RLVM - CARRIER WITH 2 FLOORS (BLUE)	1
QJ14TTNYB	CAP HOLDER QJ1/4TT-NYB sales price per item € 3.50	1
QJ4D7614NYR	QUICK CAP QJ4676-1/4-NYR sales price per item € 2.43	1
505350SS	STRAINER 505350PP(FILTER PART)	1
TR010	TANK ROUND 65 Liters	1
1205.13.00	HEXAGONAL SCREW-IN DAMPER 1/4"	1
SEA 1 1 CD	25 PICT VDMA 50 X 96 LIVRET/CONS.SECU	1
PDR1L1	ELECTRICAL RISK GEL.POL/BLACK ON GEE 26 X 52 MM	1
4501-P006 REV.	CONVERTED BRACKET 210 X 1.5 REV. B (FAN BRACKET)	2
С		2
4501-P011 REV. A	EXTERNAL STATOR FAN	4
4501-P008 REV.	PLATE SUPPORT 130.26 X 60 REV. C (INTERNAL STATOR FAN)	4
С		
4501-P001 REV. C	RESONATOR LVM 4501 SS REV. C	1
4501-P010 REV. A	SS COLLECTION TRAY	0
4501-P007 REV. C	STAR 72 X 62 REV. A	1
135011059902	SPRAY NOZZLE CLAMP SERIAL 135 HOSE CLAMPS	1
301 6700 411 52	SPACER BUSHING 10x70 M6 zinc Bi Bi	4
301430041152	SPACER BUSHING METAL M4 X 30 10-10	4
347 0400 415 53	BODY RING M 4	8
347 0500 415 53	BODY RING M 5	6
347 0600 415 53	BODY RING M 6	6
106 0840 699	GRIP NUT M8 C=40 mm BLACK	2

01						
73101,000,742	RIPCA CABLE TERMINAL BLUE SMALL CLAMP					
73101,000,542	RIPCA CABLE TERMINAL BLUE STANDARD CLAMP					
73101,000,655	RIPCA CABLE TERMINAL BLUE WITH LUG 5 mm					
341 0416 415	SUNKEN SCREWS DIN965 M4x16 1000					
53						
502930	ADEL TERMINAL STRIP NYL 12P 4MM2	1				
663096	BAUS TIMER CHAKELAAR136.2 6H 230v XD					
6927370	DONE VD 1.5 YELLOW GREEN DS 100					
4123212	DRAK VMVL SG1 BLACK RI100					
3498516	FER GLASS FUSES 5 AMP F DS10					
3487501	FERR FUSE HOLDER MIDINB A204953J XD					
426411	HK NEOPR. CABLE 3 X 1.5 BLACK 3M					
2069151	LEGRAND VIK 2.5 mm zero terminal 39300					
453878	PFLI CONNECTION NUT BRASS PG13.5	1				
514000	WISK PACKING BUSH SKV13.5 SPRINT	1				
515528	WISK IMPACT RESISTANT CONNECTION NUT VS11 PG11	1				
3227980	PHOE UNIVERSAL CLAMP UT 4-PE					
2639482	WM BLOCK TERMINAL BK 12 CRN					
4BKNAL/020401						
2	BLIND RIVET ALUMINIUM/SS 4 X 12 MM	10				
79100000	PTFE PIPE 6/1 MM TRANSPARENT	2				
81104238	SS 6/1 HH PRECISION PIPE GRADE 316 L SEAMLESS	1,5				
262107	PP PIPE BRACKET MODEL B 20 MM	1				
51730080001	BOLT SS M8 SS A2 6K LOCK BOLT/RING KVP	8				
2494789	SMITT RELAY BASE VM-4T 14 PINS (MY4)	1				
1705136	OMRON RELAY MY4(S) 230AC	1				
1578517	ERIC DIN PROF DR 15 LG2	1				
502930	ADEL TERMINAL STRIP NYL 12P 4MM2	1				
474817	RAFI FUSE HOLDER 1040020030000	1				
CEV25	CE LABEL VINYL 25 X 25MM/PER 100					
4501-P101	HEATING BOX PART A	2				
4501-P102-REV.						
A	HEATING BOX CABLING PART B	2				
4501-P104 REV.						
A	HEATING BOX PLACE THE HEAD	2				
4501-P108	HOTFOG HEATING BRACKET	2				
4501-P001 REV.						
С	RESUNATOR LVM 4501 SS REV. C	1				
BESTEMAN1	HEATER BESTEMAN 1 FT200-650-240-1-G3/8-G3/8-TF1	1				
0051710	THREADED NIPPLE REDUCING RING VR-P 3/8" BU - 1/8" BI MESS					

	NICKEL-PLATED			
33080613N	KNEE IN-SCREW COUPLING PUSH-IN WITH BSPT EXTERNAL THREAD 'KIKI-LB-MN-6 x 1/4"			
32030010	BSPT WIRE KIK-You 6 x 1/8"	I		
705012	SMALL PUSH BUTTON RED A	1		
705080-8A	SMALL PUSH BUTTON BLACK A	1		
40021317	REDUCING NIPPLE 1/4" X 3/8"	1		

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11. CONFORMITY STATEMENT

(according to Annex II A of the Machinery Directive)

EC Declaration of Conformity for Machinery (Directive 2006/42 / EC, Annex II, under A)

Besteman Techno Support Molenlei 1H 1821 CZ Akersloot The Netherlands

Declares that:

BTS HOTFOG RLVM-A1-A3

to which this declaration relates, is in accordance with the provisions of the Machinery Directive (2006/42 / EC) as last amended and also declares that the following (parts of) European (harmonized) standards have been applied; EN ISO 12100-1, EN ISO 12100-2, EN-ISO 14121, EN ISO 14847

and meets the following national and international technical standards and specifications:

EN ISO 12100 Safety of machines, equipment and installations

and meets the following national and international technical standards and specifications: EN 294, EN 418, EN 626-1, EN 953, EN 954-1, EN 1037, EN 50082, EN 60204, NEN-EN-IEC 60204-1,

Machine:	HOTFOG	RESONATOR	Type:	RLVM A3/A3	VW
Date final inspe	ection dd/mm/yy		Serial nr. :		

Heiloo, July 2010

L.P. Besteman

When the device does not operate correctly: have the device checked by an expert and competent person (supplier). This device can also be offered for inspection before use on a yearly basis. Ask about our maintenance contract.

Besteman Techno Support . General sales and delivery terms and conditions of the Metaalunie (Dutch Royal Metal Industry Association)