



OPERATING INSTRUCTIONS MICRO DRILL



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Dear Customer,

We are very pleased and congratulate you to you decision to purchase and we wish you much success in work with the device!

Before start of the device all instructions in the Operating Instructions must be carefully read!



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PROTECTION EQUIPMENT

The operation and maintenance requires:

- Close fit clothes
- Safety goggles and gloves as protection against dust and machine sharp parts

A. <u>MACHINE TRANSPORT WITH TRANSPORT EQUIPMENT</u>

- A.1 ⁽¹⁾ The transport equipment intended to transport of the machine must feature the load capacity minimum equal to the weight of the transported machine. Total weight of the machine is specified on the type plate.
- A.2 ⁽²⁾Dimensions of the transported machine, incl. the transport equipment, must comply with all applicable regulations for operation on the roads (decrees, laws).
- **A.3** ⁽³⁾ The transported machine must be always fixed to the transport equipment to prevent its spontaneous releasing.
- **A.4** ⁽⁴⁾ The freighter is liable to damages caused by releasing of improperly or insufficiently fixed machine to the transport equipment.

B. FOR YOUR SAFETY

This annex to the Operating Instructions covers general rules for use of the machine in compliance with intended use and with the safety technical regulation, which should be unconditionally adhered to for your personal protection..

The list is very large and many instructions does not apply exclusively to the delivered machine. However the instruction summary will remind you the safety rules, which are often out of attention during daily use of the machines and devices.

INTENDED USE

- 1) The device is designed only for normal use during agricultural works (intended use).
- 2) Each use exceeding the intended use is considered for use contrary to the intended use. The manufacturer is not liable for damages resulting from such improper use, the user is exclusively responsible for this.
- 3) The intended use covers complying with the conditions for operation, maintenance and repairs specified by the manufacturer.
- 4) The device can be used, maintained and repaired only by persons acquainted with it and informed on its dangerous. Hand-over all safety instructions also to the other users.
- 5) It is necessary to adhere to all applicable regulations for prevention of accidents, as well as the other generally applicable safety technical regulations, regulations for practical medicine and road traffic regulations.

The non-authorized modifications on the device voids the manufacturer warranty and resulting damages.

GENERAL SAFETY TECHNICAL REGULATIONS AND OCCUPATIONAL HEALTH AND SAFETY REGULATIONS

- 1) Before each use of the device and tractor verify the traffic and operation safety!
- 2) Adhere to the generally valid safety and accident prevention regulations!
- 3) The warning and information labels attached to the device contain important instructions for safety operation, whose adhering to serves to your safety!
- 4) During operation on public communications adhere to the applicable regulations!
- 5) Before work it is necessary to understand all devices and controls, as well as their function. It is too late during the work!
- 6) Clothes of operators should be closely fit! Avoid use of loose clothes!
- 7) Keep the machines clean to prevent the fire risk!
- 8) Before start and operation, check the adjacent area! (Children!) Keep sufficient view!

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- 9) Passengers in the machine and on the working tool are prohibited during the work!
- 10) Connect the device acc. to the regulations and fix it only to specified equipments!
- 11) During connection and disconnection of the device to/from the tractor keep special attention!
- 12) Loads must be always fixed in compliance with the regulations designed to the fixing points!
- 13) Adhere to allowed load of axles, total weight and transport dimensions!
- 14) Install and check the traffic equipments, such as lighting, warning devices, resp. protection devices!
- 15) Detachable parts for quick-coupling must free hang and shall not spontaneously release in the lower position!
- 16) Do not leave the driver post during operation!
- 17) The driving properties, drive ability and braking capability are affected also by installed or hinged devices and loads. Thus pay attention to sufficient drive-ability and braking capability!
- 18) While turning, consider the wide span or inertia mass of the device!
- 19) Start the machine only if all protection devices are fixed and in proper position!
- 20) It is forbidden to stay within the working area!
- 21) Do not stay in the machine turning / swiveling area!
- 22) The hydraulic tilting frames can be handled only if there are no persons in the tilting area.
- 23) The compression and shearing points are at the components controlled by external forces!
- 24) Always pay attention to proper own stability with the machines with manual tilting!
- 25) Applicable for quickly driven machines with tools driven by pressure to the soil: Danger after lifting by the run-out inertia weight! Access to them only in fully stopped condition!
- 26) Before leaving the tractor put the device on the ground, stop the motor and remove the ignition key!
- 27) No person shall stay between the tractor and the device, unless the vehicle is secured against leaving by the parking brake or support wedges!
- 28) Secure the tilted frame and lifting device in the transport position!
- 29) Tilt down and lock the loader grips before the road travel!
- 30) Secure the ditcher in the transport position!
- 31) During filling of the vessel by the pest control or other similar toxic agents only the actually needed amount should be added. During filling its is necessary to wear protecting clothes, safety gloves, as well as face and eye protection.
- 32) Adhere to the manufacturer warnings specified on the packing. Seeds used in your spreader could be toxic!
- 33) Never put your hands, parts of clothes etc. to the rotation part area!
- 34) If the machine is started, keep safe distance.
- 35) Never view directly to the spreading cone!
- 36) The product residues should return to the original packing. The residues shall not be released to the environment by uncontrolled manner.
- 37) There are no known adverse effects of approved plant protection agents to the materials used.
- 38) Repairs, maintenance and removal of function faults must be in principal performed only with stopped drive and motor!

EXTENSION DEVICES

- 1) Before mounting and demounting of the devices to the three-point hinge put the control device to such position, which prevents accidental lifting or lowering!
- 2) With the three-point extension, the extension categories of the tractor and device must match or put to match!
- 3) In the area of three-point bar extension there is a risk of injury at the compression and shear points!
- 4) On activation of the external control for the three-point extension do not enter between the tractor and the device!
- 5) In the device transport position always consider sufficient side soldering of the tractor three-point bar assembly!



WARNING SAFETY LABEL	LABEL TEXT	WARNING SAFETY LABEL	LABEL TEXT
	Before operation carefully read and adhere to the Operating Instructions!!!		Do not stand on the driving machine!!!
	Before maintenance, the motor must be unconditionally stopped and the key removed!		Never access the compression risk area, if the parts may rotate here!!!
	No person shall stand between the machines during hinging and activation of hydraulics!!!		Keep attention to the high- pressure liquid! Keep instruction specified in the Operating Instructions!!!
<u>(</u>	Do not stand onto the rotating parts, use only specified foot-steps!!!		Risk of the ejected parts, keep sufficient safety distance!!!
	Setting of broom (Function/operation)		

DESIGN AND FUNCTION PRINCIPLES

The pneumatic sowing machine is a pouring and sowing device of capacity 120/200/300 liters. The sowing shaft is driven by the electric gear motor to 12 V regulated by the control unit. Speed of the sowing shaft can be easily regulated by means of the control unit from the driver seat.

Alternatively it is possible to adjust the sowing shaft speed to the tractor speed either by means of the gear wheel, or by the 7-pole standard trailer plug. In addition, its is possible to use a combination of the radar sensor, GPS sensor or wheel sensor with the lifting mechanism sensor (optionally). The power supply of the control module can be performed via the 3-pole standard plug or optionally directly by the battery.



MACHINE INSTALLATION AT THE CLIENT'S SITE 1.

- The operator must install the machine acc. to instructions of the manufacturer, optimally in cooperation with the professional service technician authorized by the manufacturer.
- On completion of the machine installation, the operator must ensure functional test of all installed parts.

1.1 ASSEMBLY TO HINGING DEVICE

Installation of the sowing machine to the soil treatment tool is done by the standardly supplied counterplate, to which various devices can be screwed.

To fix the sowing device you should use the screws with diameter minimally 10 mm with needed length to secure safe and firm holding of the device.



CAUTION: The company is not responsible for improper assembly or use of the device.

1.2 FIXING OF CONTROL MODULE

Attach the standardly supplied bracket by two screws in the cabin.



CAUTION: Do not wind the cable to the coil as possible!

Lower side of the control module houses the 3-pole connector (= connection to the permanent positive pole of the tractor), 6-pole connector (= connection of the sowing device with the control module) and the 12pole connector for the sensors (such as driven gear wheel or 7-pole standard plug etc.). The right-hand side of the control module houses a 30 A fuse.

TIP: Consider an angle viewed to the module to achieve optimal reading from the display. Alternatively slightly bend the bracket to achieve proper angle.

This screw, as well as the one in the pivot point, must be firmly tightened.



1.3 ELECTRIC CONNECTIONS



Standardly delivered cables can be connected directly to the 3-pole standard plug of the trailer in the cabin. Attach the other end to the control module.

The fuse (30 A) is located at the control module right-hand side.

TIP: If there is no standard plug available in your tractor, it can be additionally fitted by means of the **complete cable set for power plug, tractor optional equipment** (option).

CAUTION: The 12V power supply shall NOT be connected to the cigarette lighter plug!

After use of the device the control unit should be disconnected (various safety technical reasons). If the battery is charged by means of a charger, which is in the "Start" operating mode, the voltage peaks can occur! These can damage the control module electric parts, if the control module is connected during the battery charging!

2. <u>PUTTING INTO OPERATION</u>

- Before taking-over the machine, test and check for any potential damage during transport and whether all parts listed in the Delivery Note are included.
- Before putting into operation carefully read this Operating Instruction, particularly the chapters. Before first use of the machine make acquaintance with its control and general function.
- During work with the machine adhere not only to the instructions of this Operating Instructions, but also generally applicable regulations for the occupational safety, health protection, fire and transport safety and the environment protection.
- Before each use (putting into operation), the operator must check the machine regarding the completeness, occupational safety, work hygiene, fire safety, traffic safety and environment protection.
 You must not actuate equipment that shows signs of damage.
- Aggregation of the machine with the tractor must be performed only on flat and compacted surface.
- Inspect before start of the tractor motor, whether no person is in the set working space, and give the warning acoustic signal.
- The operator is responsible for the safety and all damages caused by operation and the tractor and connected machine.
- During the work, the operators shall adhere to the technical and safety regulations specified by the machine manufacturer.

3. <u>BLOWER DRIVE - HYDRAULIC OR AUXILIARY SHAFT</u>

3.1. CONNECTION OF HYDRAULIC BLOWER

With the sowing unit, you can rework the electric blower to the hydraulic blower, which is driven directly from the trailer hydraulics.

Two hoses serve to connection to the tractor:



- Return line (marked yellow) must lead to the trailer oil tank without any pressure!!!
- Pressure line (marked red, BG3) can be easily connected to the tractor control unit.
- During connection of the hydraulic hoses to the tractor hydraulics it is necessary to ensure, that the hydraulics at the side of tractor and device feature zero pressure!



CAUTION: Before start of the blower tighten fully the flow control valve! This is to prevent accidental exceeding the blower speed!

3.2. BLOWER FOR AUXILIARY SHAFT

- Always keep attention to drive with proper speed of the auxiliary shaft to prevent potential clogging of the hoses.
- In addition, the auxiliary shaft rotation direction must be kept.

Setting values:

Working width	1-5m	5-12m
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3.3. SETTING VALUES HD):

The blower creates air flow, which transport the seed through hoses to the diverting plates. Required air pressure and air amount heavily depend on the seed (type and weight), amount, working width and speed. Thus the accurate specification for correct setting of the blower is not possible and must be found by the operation test!

CAUTION:

In no case the air flow can be too low, otherwise the seed rests in the hoses with resulting clogging! This results in high amount of work, as the hoses must be removed and manually emptied. In addition, the seed in the metering unit can be ground!

Similarly distribution of the seed can be adversely affected with too low air flow!

Thus the maximum possible air flow must be always kept!

The air amount is limited by the spreading medium used, and it may not damage during reflection from the spreading plate

and in addition it may not reflect too much to prevent missing of the required storage place!

The blower speed increases proportionally to the oil flow.

3.4. SETTING PROCEDURE (HD)

Variant 1 (constant pump - oil amount not adjustable)

- Screw the control valve completely in (- minus)
- Start the blower (tractor motor speed as in the field operation)
- Set the blower speed by the control valve on the control block
- The control block protect motor against excessive speed



Variant 2 (control pump or oil amount adjustable on the tractor)

- Screw the control valve completely out (+ plus)
- Tighten the flow control valve on the tractor (set the oil amount to **ZERO**)
- Start the blower and set required speed (slowly increase the oil amount)



TIP: The control block is sized to $80 \, 1 \, / \min$ – if the tractor pump produces higher amount of oil, the system can overheat; it applies also for tractor without the oil cooling.



CAUTION: Setting applicable only to the trailer used. On connection of other trailer the blower must be again adjusted! Proper adjustment is necessary to prevent possible sowing fault at very low speed, resp. damage of the blower at the excessive speed!





Adjusting table of the control valve:

	WORKING WIDTH		WORKING WIDTH		WORKING WIDTH	
	3N	1	6M		12M	
SEED	SETTING	RPM	SETTING	RPM	SETTING	RPM
ROUGH SEED	3	2000-2600	4	2600-3400	MAX.	3400-500
FINE SEED	2	1200-2000	3	2000-2600	4	2600-3400

TIP: A measuring ring is fitted to the hydraulic motor. If the temperature increases to the scale range (from 71 °to 110 °C), the ring turns black.

CAUTION: Temperature higher than 80 °C is not allowed.

3.5. DIAGRAM (HD)

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3.6. HYDRAULICS (HG)



CAUTION: Hydraulic equipment is under high pressure! With confused connection there is i risk of switchover function and damage of the hydraulic motor! (e.g. lifting/lowering) – danger of injury!

- During connection of the hydraulic motors it is necessary to pay attention to specified connection of the hydraulic hoses!
- During connection of the hydraulic hoses to the tractor hydraulics it is necessary to ensure, that the hydraulics at the side of tractor and device feature zero pressure! At the hydraulic functional connections between the tractor and the devices the connecting sleeves and connectors should be marked to prevent fault operation!
- Regularly inspect the hydraulic hose lines and replace them in case of damage or aging! The replaceable lines must comply with technical requirements of the device manufacturer!
- During searching for the leak points use the protecting equipments due to the risk of injury!
- Liquids (hydraulic oil) escaping under high pressure may get through the skin and cause serious injuries! In case of injury immediately get medical attention! (Danger of infection!)

NOTE: Before work on the device hydraulic equipment stop the device equipment, put the device to the the zero pressure mode and stop the motor!

4. <u>SETTING</u>

4.1 PROPER SELECTION OF SOWING SHAFT

Before filling of the vessel with seed it is necessary to properly select the sowing shaft (rough, fine, resp. blind). Proper selection is determined acc. to the seed characteristics and fly-over amount.

Sowing shaft types			
Standard equipment		Standard D series equipment	
fb-f-fb-fb	GGG	fb-f-fb-fb	Fb-Flex20-fb
Mustard	Grains	Granule	Granule
Buckwheat	Grass	fertilizers, mustard, buckwheat	fertilizers, peas, beans



TYPES OF SOWING SHAFT - AUXILIARY OPTIONS

fb-fb-ef-eb-fb	fb-efv-efv-fb	ffff
Red clover Poppy	Oilseed Mustard	Buckwheat

Types of sowing shaft - auxiliary options



The standard supply scope includes 2 completely assembled sowing shafts. 1 sowing shaft with rough geared sowing wheels 1 sowing shaft with fine sowing wheel for each output

Applicability of the rough geared sowing shaft:

Generally for large amounts, resp. large grains. E.g. grass mixtures, rye, barley, wheat, oats etc.





Applicability of the fine geared sowing shaft: Generally for small amounts, resp. small grains. Small seeds, such as oilseed, red clover, phacelia, agent for pest control etc.



CAUTION: The combination of the sowing wheels must be selected to set of the sowing shaft in the control module in ideal case between 20 % and 80 %. Thus also during spreading dependent on the speed at very low, resp. high speed the proper control and homogeneous feeding of the seed is guaranteed!

4.2 SOWING SHAFT DISASSEMBLY AND REPLACING

To disassembly the sowing shaft proceed as follows:

- See the sowing table and selected required sowing shaft with relevant spreading amount.
- Completely empty the vessel.
- Remove the side cover for the drive rolls.
- Remove the round belt from the driving rolls.
- Unscrew the fixing nuts of the side cover plate for the sowing shaft.
- Now remove complete sowing shaft with the side cover plate.
- No it is possible to re-install the new sowing shaft to the device.
- Assembly the removed parts in the opposite order

NOTE: During replacing of the sowing shaft pay attention to complete emptying of the vessel. Verify smooth operation of the machine after installation of the sowing shaft.





4.3 SODDY FLAP (BROOM ADJUSTMENT)

The broom is installed above the sowing shaft. This broom can be adjusted by means of the lever on the frame with the scale from + 4 to - 5.



If the lever presses the broom to the sowing shaft (scale values - 1 to - 5), the spread amount is slightly decreased. If the broom is lifted (scale value + 1 to +4), slightly more seeds can be spread. Basic setting of the soddy flap is 0. With this setting the tests of trimming for the sowing tables were performed.

With the soddy flap, the device is generally set to the spread seeds. With the fine seeds, which passes very good, the groom must be generally set slightly inside, or minus, and with the large seeds slightly outside, i.e. plus on the scale!

TIP: The soddy flap enables finer metering of the seed spread amount!

4.4 MIXER

The mixer is required only in case of arching of with the very light seeds (e.g. grasses).



If the mixer is not required, it is only needed to remove the O-ring stretched on the drive rolls between the mixer and the sowing shaft.



4.5 WORKING WIDTHS / SOWING TABLES

The Micro Drill with the electric blower is usable for maximum working width of 6 m and with the hydraulic blower up to 12 m.

The spread amount depends on speed of the sowing shaft and travel speed with the sensor installed. The trimming test should be performed to determined the required spread amount before the work.

The sowing tables show spread amount for individual types of the seeds in kilograms per minute (= spread amount of trimming test).

NOTE: The tables can be used as the information values, but it cannot be used generally, as it is influenced by many factors, resp. large changes may occur (e.g.: weight of thousand of seeds, seed humidity, change of the flow condition and many others).

Spread amount is determined acc. to following formula:

required spread amount [kg/ha] x travel speed [km/h] x working width [m]

------ = weight [kg / min] 600

Example:

10.0 [kg/ha] x 12 [km/h] x 6 [m]

----- = 1.2 [kg/min]

600

4.6 TRIMMING TEST / SEED CONTROL

The trimming test should be performed to determined the required spread amount.

- 1. Remove the trimming plate located below the blower above the deflection sheets (see figure).
- 2. Fix the trimming sheet to the sowing device and secure it with the star screws to the frame (see figure).
- 3. During the trimming tests use the bag or vessel to catch the seed.

4. Use the formula specified in 5.5 to calculate the required spread amount per minute.

- 5. Search the speed required to achieve the required spread amount in relevant sowing tables (Trimming tests / seed amount control).
- 6. Found speed of the sowing shaft is set by means of the control module.
- 7. Now the trimming tests is performed automatically (exactly one minute), whereas the seed without losses passes through the trimming sheet.
- 8. Not the trimmed and caught amount must be weighed.
- 9. Required setting value can be found by correction of the speed for the sowing shaft and by new trimming.
- 10. In addition, you can slightly modify the spread amount by means of the soddy flap (broom control, see <u>Soddy flap</u> (broom control).
- 11. Specified points must be repeated, until the required spread amount is achieved.
- 12. On launching the work you should verify the spreading on the field. It is necessary to verify particularly the travel speed, spread amount and arrangement of the diverting sheets.





4.7 USE ON THE FIELD

- To start the sowing proceed as follows:
- Start the tractor.
- Turn the control module ON by the "On/Off" button.
- Start the blower by the "Blower" button.
- To start feeding of the seed press the "Sowing shaft" button to start the gear motor.

Note: Other two points are not necessary, if you use the lifting mechanism sensor (7-pole connector, lifting mechanism sensor).

• When you are turning on the turn-row press only the "Sowing shaft" to turn the green LED OFF.

• On completion of the work firstly turn OFF the sowing shaft, then the blower and finally whole control module by the "On / Off" button.

Following points must be adhered to with use on the field:

- During use on the field the blower should be always ON.
- Check the spread amount.
- Check the evenly arranged width (distance) of the diverting sheets.
- Check height of the diverting sheets: Distance from ground is ca 20 40 cm.
- Angle of diverting sheets: The fixing plate for the diverting sheets installed ca 90° (right angle) to the ground.
- The spreading hoses should be slightly inclined downward, resp. put horizontally on the working tool.
- The vessel lid must be tightly closed.

4.8 VESSEL EMPTYING

To ensure complete emptying the trimming cover located below the blower must be removed, rotated and fixed frontally above the distributor sheet to serve as a slide! Subsequently activate the control module - menu point "Emptying"! During this menu item the sowing shaft start to automatically rotate. Now let the sowing shaft rotate, until the vessel is completely empty and the sowing rollers feed no seeds.

5. MAINTENANCE AND CARE

5.1 GENERALLY

Keep the safety instructions for care and maintenance.

To preserve the device in proper condition even for long periods you should adhere to the following instructions:

- The annex "For your safety..." includes some basic safety regulations for the maintenance.
- The original spare parts and options are designed exclusively for the machine, resp. devices.
- Note that the original spare parts and options non-supplied by our company are not verified and released by our company.
- Installation and/or use of the product can under specific circumstances adversely affect or hinder the design properties of your device. The manufacturer is not responsible for damages resulting from use of non-original parts and options during the warranty.
- The non-authorized changes and use of the design parts and extensions void the warranty of the manufacturer.
- All screw joints must be re-tightened after 3 and again after ca 20 operating hours and then inspect them regularly. (Loose screws can result in severe subsequent damages, which are not covered by the warranty.)
- Repairs, maintenance and removal of function faults must be in principal performed only with stopped drive and motor! Remove the ignition key! Turn the device OFF!
- Regularly verify firm setting of nuts and screws, resp. re-tighten them as needed!
- During maintenance on the lifted device always perform securing with suitable support elements!



- On replacing of the working tools with blades use only the suitable tool and gloves!
- Before works on the electric equipment always disconnect the power supply!
- During electric welding on the tractor and installed devices always disconnect the cable from the generator and the battery!
- The spare parts must comply minimally with the technical requirements specified by the device manufacturer! Do not perform cleaning of the device with water. Cleaning of the device with the compressed air is recommended.

Attention: No water is allowed to ingress to the vessel or device. Inside the device can be only blown-through with the compressed air!

- Cleaning with the too high pressure can damage the paint.
- In winter, protect the device against freezing with the agent gentle to the environment.
- Park the device in such manner to ensure protection against weather conditions.
- Do not perform cleaning of the device with water. Cleaning of the device with the compressed air is recommended.

6. MACHINE TECHNICAL DATA

1 - 6 m Recommended spreading width: Max. spreading width (electric blower): $1 - 6 \, m$ Max. spreading width (hydraulic blower): up to 12 m (with Y distributors) Max. spreading width (blower to the outlet shaft): up to 12 m (with Y distributors) Power supply: 12 V, 25 A Electric blower input power: 25 A at start-up Extension category: Cat. I – III (only with accessory for three-point hinge) Hydraulic supply with HG 150 bar Max. pressure:

Max. pressure: Max. oil amount: Weight: Hydraulic hose length: 150 bar 38 1 / min 20 kg Supply line 6 m Pressure line 6m Motor line max. 1 m 400 x 460 x 270 mm

Dimensions (1 x w x h):

7. <u>ACCESSORY</u>

7.1 HYDRAULIC FAN

Hydraulically driven blower is intended for working widths up to 12 m and for larger seed (e.g. wheat, oats, maize).

It is very resistant to dust and foreign particles, as these can settle only with difficulty.

The rework set includes following components:

- Hydraulic fan
- Transition piece
- Fan support
- Complete hose set
- Flow regulator



7.2 CABLE EXTENSION 5 M

It is extension (5 m) for the device cable (6-pole connector).

It is required when the soil treatment machine is longer than the cable 6, installed in the factory or to enable practical storing of the cable.

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CAUTION: Hydraulic equipment is under high pressure! With confused connection there is i risk of switchover function and damage of the hydraulic motor! (e.g. lifting/lowering) – danger of injury!

- During connection of the hydraulic motors it is necessary to pay attention to specified connection of the hydraulic hoses!
- During connection of the hydraulic hoses to the tractor hydraulics it is necessary to ensure, that the hydraulics at the side of tractor and device feature zero pressure! At the hydraulic functional connections between the tractor and the devices the connecting sleeves and connectors should be marked to prevent fault operation!
- Regularly inspect the hydraulic hose lines and replace them in case of damage or aging! The replaceable lines must comply with technical requirements of the device manufacturer!
- During searching for the leak points use the protecting equipments due to the risk of injury!
- Liquids (hydraulic oil) escaping under high pressure may get through the skin and cause serious injuries! In case of injury immediately get medical attention! (Danger of infection!)

NOTE: Before work on the device hydraulic equipment stop the device equipment, put the device to the the zero pressure mode and stop the motor!

ENVIRONMENT PROTECTION

• The oils and greases must be handled in compliance with valid laws and regulations on the wastes.

8. MACHINE DISPOSAL AFTER OPERATION LIFE

- The Owner shall ensure that the steel parts and parts containing oil or lubricating grease are separated during the disposal of the equipment.
- The Owner must cut the steel parts according to safety regulation and hand them over to the collecting point for usable by-products. The Owner shall dispose of other parts in accordance with the valid laws on waste.

9. WARRANTY AND WARRANTY TERMS

Inspect the machine immediately on accepting regarding any damage during transport. Later claims of the damages during transport cannot be accepted.

We provide <u>one year warranty of the manufacturer</u> from the delivery date (your invoice or shipping sheet applies as the Warranty Certificate).

This warranty applies to faults of material or design and does not apply to parts damaged by the normal or excessive wearing.

The warranty is void in following cases:

- The damage is caused by external force
- Improper operation
- Specified requirements are not fulfilled
- The device is changed, extended or fitted with external spare parts without authorization
- Cleaning of the tool with water
- Cleaning of the equipment with water
- Use of the spreader during winter service

Elaborated by: Technical Dept., Farmet a.s., Jiřinková 276, Česká Skalice CZ 552 03, 30th November 2015, All changes and modifications reserved Print errors are reserved, all data and information without any guarantee.



1 EC Declaration on Conformity In compliance with the directive no. 2006/42/EC

Manufacturer, APV Technische Produkte Ges m.b H. Dailen 15, A-3753 Hötzelsdorf declares that the product

Pneumatic sowing device _PS 120 M1" _PS 200 M1" _PS 300 M1" _PS 500 M1" _PS 500 M2" _PS 120 M1 D" PS 200 M1 D" _PS 300 M1 D" _PS 120 M1 MG"

Machine type identification / product no. (see accepting declaration and title sheet)

To which this declaration applies, complies with applicable basic safety and health requirements of the directive no. 2006/42/EC, as well as with requirements of other relevant EC directives.

2006/42/ES

If it is relevant: Name/number/ issue of the other EC directives

Following standards and/or technical specifications were applied for proper implementation of the safety and health requirements specified in the EC directives:

EN 12100/1; EN 1200100/2

If it is relevant: Name/ number/ issue

Your contact person for CE of the APV company is ing. Jűrgen Schöls. He is available at the telephone number +43 (0) 2913-8001.