

AUGER SEED TREATER PNSh-3 (P) "Farmer"



AUGER SEED TREATER PNSh-3 (P) "FARMER" is characterized by high quality technical characteristics. Design features make it a highly productive unit, easy to use and maintain. The purchase of this model is an investment in the quality and quantity of the future harvest. Technical characteristics of the treater. The treater is made with a peristaltic pump-dispenser NP-02. The peristaltic dosing pump makes it possible to work with multi-component working solutions, the accuracy and stability of dosing of the working solution is excellent. The machine is highly maneuverable and easy to operate.

AUGER SEED TREATER PNSh-3 (P) "FARMER" seed treater is used for pre-sowing seed treatment of grain crops with water solutions or suspensions of pesticides. The dispenser of the working fluid allows you to receive an accurate and uniform supply in the process of work. Smooth regulation of the supply of the working fluid is provided in the treater, loading of seeds is carried out manually or with an auxiliary device, unloading is carried out into bags.

PARAMETERS	PNSh-3 "FARMER" (P)	
Productive capacity	t/hour	1-3
Tank capacity	l	50
Application range of the working liquid	l/min	0,1 - 3,3
Power consumption	kW	0,85
Overall dimensions (LxWxH)	mm	2100x680x1250
Weight	kg	110

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PORTION TREATER PP-5

Portion treater PP-5 stands for an easily operated batch seed treater, designed for complex treatments. The seed treater comes with a range of customization options to make sure it fits your pelletizing and coating needs. With modern complex treatments will allow you to apply treatment evenly in small dosages for good economy and correct treatment of each seed.

The treater is intended for chemical protection of plants by treating the seeds of agricultural crops with water solutions or preparation suspensions.

Technical data of the treater are given in the table below:



PARAMETERS	Portion treater PP-5	
Type		Stationary
Maximum amount of seeds of one portion in terms of wheat (bulk density 780 kg/m ² , humidity 14%)	kg	5 max
Treatment time	s	5 – 600
Number of rotations of: <ul style="list-style-type: none"> • rotor during treatment • rotor during cleaning • disk spray diffuser 	rpm	300 - 500 1800 1250
Mass	kg	72
Power supply - from the alternating current power grid, voltage	V	220
Installed capacity	kW	1.2
Height of loading the seeds into the container	mm	1250
Seed discharge height	mm	700
Overall dimensions, no more than (LxWxH)	mm	850x550x1400

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PNSh-3-01 (P) AUGER TREATER (FOR "BIG-BAGS")

An updated version of the **PNSh-3 (P) "Farmer"** auger treater for unloading treated seeds into "big-bag" type bags.

The treater is intended for treatment of seeds of grain crops with water solutions or suspensions of treating agents according to the "List of pesticides and agrochemicals approved for use in Ukraine".

The treater is a mobile, four-wheeled unit consisting of a tank with a hydraulic mixer, working fluid dosing pump, seed hopper, seed dispenser, rubberized auger for working with crops prone to damage with discharge throats and a working fluid dispenser.



PARAMETERS	PNSh-3-01 (P)	
Type		
Productivity for 1 hour of basic time (on wheat seeds)	t/h	from 1,0 to 3,0
Dry mass (structural), no more	kg	150
Capacity of the working fluid tank, no more	dm3	100
Supply of the working fluid by a dispenser	dm3/min	0,1 – 3,3
Power supply - from the alternating current power grid, voltage	V	380
Power consumption	kW	1,6
Height of seed loading into the hopper, no more	mm	1000
Volume of the seed hopper, no less	dm3	60
Height of suspension of big bags to the neck	mm	1400
Overall dimensions, no more		
• length		3515
• width	mm	1205
• height		1980
Term of service, no less	years	5

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STATIONARY SEED TREATER PNS - 5-01 (DESIGNED TO FILL BIG BAGS)

The seed treater is designed to treat seeds of cereals, legumes, soya and sunflower with water solutions, or suspensions of treating agents in accordance with the "List of pesticides and agrochemicals authorized for use in Ukraine" and to unload treated seeds into big bags.

It is a mobile three-wheeled unit consisting of a tank with a hydraulic mixer and a pump unit, a hopper, a seed treater, a mixing-and-unloading auger with a distributor of seeds, dosing pump for working liquids and a control panel.

The seed treater is equipped with a slow-speed blade auger with rubber pads to treat seeds of cultures prone to damage. The installed frequency converter makes it possible to change the speed of the auger.

The main assembly units of the seed treater are made of stainless steel. The PNS-5-01 Stationary Seed Treater is designed to unload treated seeds into big bags.



PARAMETERS	PNS - 5-01	
Type		Fixed
Productive capacity per 1 hour (with wheat seeds)	t/h	From 1 to 5
Volume of the tank of operating fluid, no more than	dm ³	100
Supply of operating fluid by the dispenser	dm ³ /min	0,1-3,3
Network - from the electrical network of Alternating current, voltage	V	380 +/- 19
Established power	kW	1,57
Height of loading seeds into 'big-bag'	mm	1250...1450
Height of loading seeds into the hopper	mm	2600
Overall dimensions, no more than (LxWxH)	mm	2160x1950x2600
Operation to capacity, at least	kg	220

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CHAMBER STATIONARY SEED TREATERS PKS-20 PT

The PKS-20 PT treater is intended for treatment of seeds of grain, leguminous and oil crops with water solutions or suspensions of fungicides in seed preparation workshops or seed units of enterprises of the agro-industrial complex.

The control of operation of the treater and its mechanisms is carried out from the control panel. The treater is installed in the technological line. The peculiarity of the treater is that it can work with multi-component, more viscous working solutions, thanks to the peristaltic dosing pump. Equipped with a low-speed paddle auger with polyurethane pads for working with crops prone to damage. Easy cleaning of the treater due to quick disassembly of the treating chamber and blade auger. The main units of the treater are made in a stainless version. The main advantages of the device are: high accuracy of dosage of the given rate when working with both ordinary and multi-component working solutions, easy change of the feeding operation using push-button switches with fixation change of the result on a special display, absence of self-pouring of solution residues when the treatment process is stopped, if necessary - the possibility of returning solution residues from the elements of the hydraulic line to the main tank. A frequency switch is installed in the treater, which allows you to change the rotations of the auger.



The machine, working in automatic mode, monitors the real-time weight of the seeds with the specified time period of the check and, if necessary, changes the supply of the treating solution. This system is designed to create a working solution according to the "agronomist's recipe" immediately before entering the treating chamber. One dosing pump pumps clean water from the main tank, three pumps are designed to supply different preparations from separate factory packages (canisters). This machine can be equipped with tenso-sensors to determine the actual amount of seeds passing through the machine and correct if necessary the supply of working fluid to maintain the given proportion.

PARAMETERS	PKS-20 PT	
Type		fixed
Productive capacity, t/hour	t/h	from 3 to 20,0
Dry mass (constructional), with a full set of operating units and devices	kg	310
Tank capacity, no more than	dm ³ (l)	250
Supply of the system of automatic fluid adjustment (SAFA) with the system of separate supply (SSS)	dm ³ /min (l/min)	from 0,3 to 6,0
Consumed capacity, no more than	kW	4,5
Dimensions, no more than:	mm	
• length		2150
• width		1800
• height		2450

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CHAMBER TREATER PK-20 "SUPER" (P)



Buy auger treater for seeds, grain, wheat. Treating machine. **PK-20 "Super" (P)** is a high-performance chamber treater. Agricultural instrument, intended for improving the quality properties of seed material. Treatment allows you to protect the seed material from diseases, fungus, and pests. The unit is distinguished by a self-propelled structure that provides it with high autonomy in treatment. The treating machine of this model is designed for intensive use and is able to perform work with high productivity. The modern automated unit guarantees the high quality of pre-sowing seed treatment. Does not require aggregation with additional equipment. Suitable for work in various operating conditions.

PK-20 "Super" (P) is an effective model of a chamber treater. It is used for preliminary treatment of seed material with specially prepared solutions. Treatment with special solutions (fungicides) has a positive effect on the quality properties of the material. Improves its parameters of germination and yield during harvesting. The design parameters of the treater provide a high level of treatment autonomy.

PARAMETERS	PK-20 "SUPER" (P)
Productive capacity, t/hour	3-20
Charging auger width, m	2-3
Charging height, m	2,7
Tank capacity, l	140
Delivery rate of the working solution by means of the N-02 dosing pump, l/min	0,1-3,3
Power consumption, kW	5,5
Overall dimensions, mm	4270 x 2980 x 2900
Weight, kg	520

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CHAMBER SEED TREATER PK-20-02 "SUPER" (P)



Chamber seed treater PK-20-02 "Super" (P) - a sample of constructive quality from the Ukrainian manufacturer of equipment. Optimal combination of technical and economic parameters. The treater has a number of adjustable parameters. Such a constructive solution optimizes the treatment process. Allows to adapt to existing operating conditions.

It was developed taking into account the wishes of agricultural producers with the aim of providing the **PK-20 "Super" (P)** type machine with additional options and parameters. Technical characteristics of the treater. **Chamber seed treater PK-20-02 "Super" (P)** is an economically profitable, maximally autonomous agricultural unit. The use of a treater of this model will ensure high-quality pre-sowing treatment of seed material. As a result, the efficiency of economic activity increases. The quality of the seed determines the amount of the harvest. It directly affects the efficiency and profitability of economic activity. It ensures high productivity of agricultural business. Pre-sowing treatment of seeds protects the seed material from harmful, disease-causing microorganisms. To implement the process of pre-sowing seed treatment, a large selection of instruments is created. **Chamber seed treater PK-20-02 "Super" (P)** - characterized by high productivity, quality and efficiency of the work performed. It is characterized by an autonomous, reliable structure.

PARAMETERS	PK-20-02 "SUPER" (P)
Productivity, t/h	3-20
Loading auger width, m	2-3
Unloading height, m	4,0
Tank capacity, l	240
Range of supply of working fluid, l / min	0,1-3,3
Power consumption, kW	7,5
Overall dimensions in transport position, mm	5220x4850x4300
Mass, kg	640

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TRAILED ROD SPRAYER OPSh-24-21 ASU 7-SECTION



The trailed sprayer OPSh-24-21 ASU 7-section has an improved structure and highly protective powder polymer paint, which allows the use of this equipment in all climatic zones and for practically all protective chemical treatments of plants and soil, aggregated with tractors of the class 1.4; 2 p.c.

- Rod - two-hinged pendulum suspension, which provides full stabilization of the rod, hydro- and mechanical locks for fixing the rod in the unfolded position, full hydraulic folding/unfolding;
- The frame, the rod slider are made of a thick-walled tube of square section with a sliding system using polymer materials, cylinder-corrector (work on slopes is ensured);
- Powder polymer painting.
- Stainless steel collectors diam. 1/2, cutting devices and spray diffusers of leading companies (LECHLER / TEEJET);
- Polymer tank 2580 l., hydraulic mixer, special spray diffusers for washing the tank;
- Four-stage filtration system of the hydraulic fluid;
- Annovi Reverberi pump, 185 l/min;
- Cardan drive BONDIOLI PAVESI, 6 x 8;
- Light signaling (stop-gauge-turn);
- Flushing system with an additional tank for 250 l;
- Wheels 9.5 x 42;
- The track is adjustable (smoothly) from 1.5 to 2.1 m;
- Rod working height 500-1900 mm;
- Mixer – Polmac 35 l.
- Hose for self-refilling 5 m with a float filter;
- Teejet 845 E computer system with 7-section control panel, which provides high-quality implementation of the technological process and the ability to work with navigation systems.

It is intended for the application of liquid mineral fertilizers to the soil and full spraying with working fluids for chemical protection of field plants against diseases, weeds and pests.

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