

Over 25 years of tradition
passion and confidence



B[®] *MASZYNY ROLNICZE*
URY

PELIKAN MAX 3000, 3600, 4200, 5200, 6000



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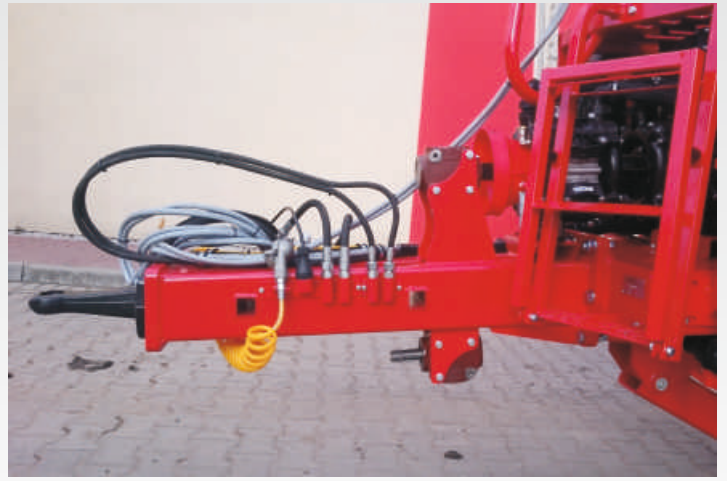


PELIKAN MAX – is the series of the largest field sprayers produced by our company, with a tank from 3000 to 6000 liters, with available booms of working width from 18 to 36 meters, intended for large area farms. They are the result of gathering experience for many years and working out the needs with users.

The multitude of solutions makes it possible to optimally configure the sprayer to meet needs and specifics of each farm. Large capacity of a tank as well as wide booms, on-board computer, GPS system with automatic closing of section, sonar sensors of boom leveling, copying and cushioned axis or rapid refueling pump. These are solutions which allow reducing maximally the time which is needed for treatment and increasing cost savings in applying agents. For farms that want to maximize the precision of dosing of agent, we recommend a variable dosing system and an air-assisted system.



PELIKAN MAX sprayers have a solid, powder-coated frame made of closed profiles which gives them a high strength.



Hydraulic supporting foot

Provides safe and fast aggregation of the sprayer with the tractor.

A mechanical pump drive is also possible in **PELIKAN MAX** sprayers. They are then driven by two angular gear units. As standard, these sprayers are fitted with an upper hook, but at the Customer's request there may also be a bottom hook with an eye or a ball.



Pumps

In **PELIKAN MAX** sprayers we have used **Annovi Reverberi Twin Top** pumps. There are two pumps connected together, one of which serves the spray system where there is usually low pressure, the other one is used for the hydraulic agitation system and pre-mixer where much higher pressure is needed.

BlueFlex diaphragms have a unique, patented blend form and composition from which they are made. Thanks to these advantages, their lifetime increases to 100%. In addition, a digital code on the liquid side is placed on each diaphragm. This is an unusual solution in the industry till now. It allows us to track and distinguish products from many other diaphragms with a year and a month of production.



Hydraulic agitation system is placed directly at the bottom of the tank, operating under high pressure prevents sedimentation of any leftovers, as well as ensures perfect mixing.

Spraying booms used in **PELIKAN MAX** sprayers are made of high quality steel. Their openwork construction makes them light and durable. Control of all spraying boom functions is done by means of electrovalves and a convenient panel from the tractor cab.



"4H" Booms with self-leveling with a lockout, hydraulic fitting to slopes, lifted and unfolding hydraulically independently with 4 cylinders. In booms of a width from 18 to 21 meters the middle quarters are unfolded horizontally and the outer quarters are unfolded vertically. In booms of widths from 24 to 28 all quarters are unfolded horizontally. In this series of booms we can use additional cylinders to have an opportunity of negative tilt of the boom.



This type of booms has adjustable optional functions for independent slopes of left or right side.



"IT" Fully hydraulic booms with working width of 18 to 28 meters, independently unfolding by four cylinders, and booms 32 and 36 meters by six cylinders.

"ITV" Booms of widths from 18 to 24 meters fully hydraulic with air-assisted system. This system provides a much better coverage of sprayed plants and allows more economical use of the preparations and a partial independence from weather conditions (wind).

PELIKAN MAX sprayers can be equipped with different types of control panels, thanks to which we will be sure of correctness of performed treatments.

Control computers



AEROS 9040

The most advanced system is **TeeJet AEROS 9040 ISOBUS** terminal, which not only allows precise controlling of all sprayer's functions, but also can be used for other machines such as broadcast spreaders, seeders and spreaders.

The main advantages of **AEROS 9040** are: variable dosing based on field map, precise navigation combined with automatic control of "BoomPilot" sections, large HD display with possibility of connection to eight video cameras, monitoring of drop size or monitoring system of liquid amount in the tank which can also be used when filling the tank to accurately refill the desired amount of liquid.



RADION 8140

Radion 8140 is an advanced computer designed for ease of use. Just set the target dose and the computer will suggest you select the appropriate atomizers for your application and the speed range for the target dose. When the spray is started, the display shows the applied dose and the used amount of liquid, system pressure, operating speed, sprayed area, drop size and amount of liquid in the tank.

In addition to these basic functions, **Radion** has an opportunity of connecting the valve to automatic refilling. It also has a port for connecting **Matrix** navigation with possibility of automatic closing of section and a variable dosing control (function used in precision agriculture) which in computers of this class is unusual.



BRAVO 400S

On Customer's request, we can install **BRAVO 400S** controlling computer with built-in GPS system with which you can conveniently control all sprayer's functions. **Brawo 400** is also available with **SeleTRON** system, which gives you the possibility of automatically closing individual atomizers.



SPRAYDOS

SPRAYDOS computer is a very easy to use and reliable device that allows you to perform the treatment correctly with which we can conveniently control all sprayer's functions.



COMBO 177

Electronic control Combo with electronic pressure reading allows you to conveniently control all sprayer's functions from the tractor cab.

For sprayers equipped with controllers without built-in GPS systems, we recommend one of three **Matrix** monitors



MATRIX 840 GS

Navigation Matrix 840 GS navigation with 8.4 inch screen in HD quality is an system advanced and easy-to-use navigation for demanding users. Besides the basic functions which a navigation should have, it gives you possibility of e.g. connecting an automatically closing of section BoomPilot system, automatic driving support FieldPilot system, module of compensation of area tilt or possibility of connecting of 4 or 8 cameras.



MATRIX 570 GS

Matrix 570 GS navigation has a 5.7 inch color screen and the other functions are the same as for **Matrix 840 GS**.



MATRIX 430

The **Matrix 430** is an inexpensive and easy-to-use navigation for less demanding users. Color touch display with simple software, just after a while, allows the operator for effective navigation on field with minimal skips in the coverage area.



Comfortable Pre-mixer located on the trapezoidal arm allows for efficient and safe mixing of the preparations and applying them to the main sprayer's tank.



Electric rinsing set

The extensive clean water tank and the rotating nozzle for tank cleaning is manually or electrically started from the tractor cab (electric cleaning system) ensure that the tank and liquid system are impeccable clean what causes failure-free operation of the sprayer and prevents unwanted residue of spraying agent.



Own hydraulic system

PELIKAN MAX sprayers are equipped with their own hydraulic system with filters and oil cooler for pump drives and spraying booms control. This solution allows for faster aggregation of the tractor with the machine and provides failure-free operation of pumps and elektromagnetic valves and no mixing of oils positively affect not only the operation of the sprayer but also the tractor.



Work lighting

The element which improves the comfort of working at night time is the lighting of the spraying boom in our sprayers. Two solutions are available. Two or four led halogens or led lights mounted on each nozzle.



Copying axle system allows for increasing maneuverability of the sprayer-tractor aggregate and, in particular, allows decreasing loss on headlands arisen as a result of plant kneading. The copying axle system is based only on a hydraulic system without electronics which makes it very reliable.



Shock absorbers for farms that are forced to travel far to scattered fields, a good solution is the axle with shock absorbers, which allows for increasing transport speed and reducing jerks. All axles in **PELIKAN MAX** sprayer are equipped with a pneumatic or hydraulic braking system. The pneumatic shock absorbers of spraying booms contributes to increasing comfort of operating, extending the service life of the booms, and allows you to work at higher speeds.



Pneumatic shock absorbers to make better comfort while spraying and less stress to the material of the boom. The device gives possibility of faster driving.



On farms that want to refill the sprayer's tank at any place, a good solution is a centrifuge pump with high efficiency with a suction hose. It allows for quick refueling from the tanker or pond.



Lighting

Reliable and durable LED lighting for driving on public roads.

Sonar leveling of spraying boom is a recommended solution for farms with highly corrugated fields that allows maintaining the beam at optimum distances from sprayed plants.

Nozzles have a great influence on the quality of the performed treatments, so we recommend only the solutions of two leading manufacturers **Lechler** and **TeeJet**.



Lechler LU



Lechler DF



Lechler ID



Lechler IDK



Lechler IDKT



Lechler FL



**TeeJet
XR11003VS**



**TeeJet
AITTJ-02**



**TeeJet
AI11003VS**



**TeeJet
AIXR11002VP**



**TeeJet
TJ60-11004VS**



**TeeJet
TK-VS2**

Technical Data:

	PELIKAN 3000	PELIKAN 3600	PELIKAN 4200	PELIKAN 5200	PELIKAN 6000
Main tank made of polyethylene	3000 L	3600 L	4200 L	5200 L	6000 L
Clean water tank	400 L	400 L	400 L	550 L	550 L
Hand wash tank made of polyethylene	15 L	20 L	20 L	20 L	20 L
Basic wheels size	13,6 x 38	16,9 x 38	16,9 x 38	20,8 x 38	20,8 x 38
Optional wheels size	11,2 x 42	16,9 x 46	16,9 x 46	20,8 x 42	20,8 x 42
Pumps Annovi Reverberi	AR 320 TWIN TOP 321 l/min.		AR 370 TWIN TOP 371 l/min.	AR 500 TWIN TOP 489 l/min.	
Hydraulic boom 4H	18, 20, 21, 24, 27, 28 m				
Hydraulic boom IT	18, 20, 21, 24, 27, 28, 32, 36 m				
Hydraulic boom ITV with air-assisted system	18, 20, 21, 24 m				
Transport width	2,45 m				
Length	6,30 m	6,90 m	6,90 m	7,70 m	7,70 m
Weight	2350 kg	2850 kg	2950 kg	3450 kg	3550 kg

Importer:

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