Control Unit

EPP 100

Basic features of EPP 100 Control Unit :

- speed-dependent control system;
- spreading parameters adjustment by closed regulation circuits;
- pre-programmed to operate with 4 different "dry" and one "wet" spreading agents;
- programmable to work with any known type of spreading agent (dry and wet), according to customer's request;
- fixed pre-wetting material percentage - 30% of total spreading material;

EPOS 5

Basic features of EPOS 5 Control Unit:

- speed-dependent control system;
- pre-programmed to operate with 4 different "dry" and one "wet" spreading agents;
- spreading width ranging from 2 ÷ 9 m (3 ÷12 m) in 0.5 m steps for left and right asymmetry;
- changeable pre-wetting material percentage - 10% to 40%;
- auto-calibration capability;
- spreading parameters adjustment by closed regulation circuits;
- option of no-feedback operation for wet spreading (feedback off);
- internal data storage memory for recording and quick view of reports (daily, seasonal);
- RS232 port to connect GPS-GPRS automatic monitoring module and send data regarding the spreader, vehicle and plough;
- CAN-BUS open communication system according to protocol TC 337 / WG3 EN 15430-1

EPOS 10

Basic features of EPOS 10 Control Unit:

- speed-dependent control system;
- programmable to work with 20 different "dry" and "wet" spreading agents;
- spreading width ranging from 2 ÷ 9 m (3 ÷12 m) in 0.5 m steps for left and right asymmetry;
- changeable pre-wetting material percentage - 10% to 40%;
- auto-calibration capability;
- spreading parameters adjustment by closed regulation circuits;
- data download and operating parameters input from/to control panel via USB memory stick;
- RS232 port to connect GPS-GPRS automatic monitoring module and send data regarding the spreader, vehicle and plough;
- option to operate using thermo-camera according to preset parameters;
- CAN-BUS open communication system according to protocol CEN TC 337 / WG3 EN 15430-1

Additional Equipment

Diesel hydraulic power unit

Spreader can be equipped with external diesel-hydraulic power unit if the vehicle does not have proper hydraulic system. Customer can choose between two versions:

- single circuit diesel-hydraulic power unit for spreader only;
- double circuit diesel-hydraulic power unit (with or without weight relief) for snow plough and spreader;

Ignition and shut down of the engine is done by EPOS 10 control unit.

spreader **SOLID T**

spreader with conveyor belt

RASCO

RASCO

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Dealer

ISO 9001

Cro Cert

spreader with conveyor belt

Application

SOLID T spreaders are intended for the gritting of icy roads, paths and other surfaces using salt, sand and salt-and-sand mixes.

Technical description

Dosage of the spreading material is done by the belt conveyor which enables accurate spreading parameters even when working with a material having higher humidity percentage than usual. These devices are fitted with all necessary equipment to enable unhindered, quality and efficient road de-icing operations even under the most difficult winter conditions. SOLID T spreaders can be used for gritting with salt, rock granulate, various mixes, as well as with different pre-wetting materials, such as sodium chloride and calcium chloride.

Loading system

The loading system enables extremely user-friendly loading of the spreader onto the truck. The front legs always remain along the spreader and the rear legs are taken off the spreader when not operating.

Beacon - rotating light
Warns other drivers about current spreading. Additional rotating light is available on request. Option.

Dosage system
Dosage of the spreading material is done by the belt conveyor thus enabling operation with adhesive materials (wet salt, sand, clay-like material) without tunnel effect.

Adjustable barrier at exit chute allows height adjustment of the spreading material layer, depending on the type of material (salt, stone, sand).

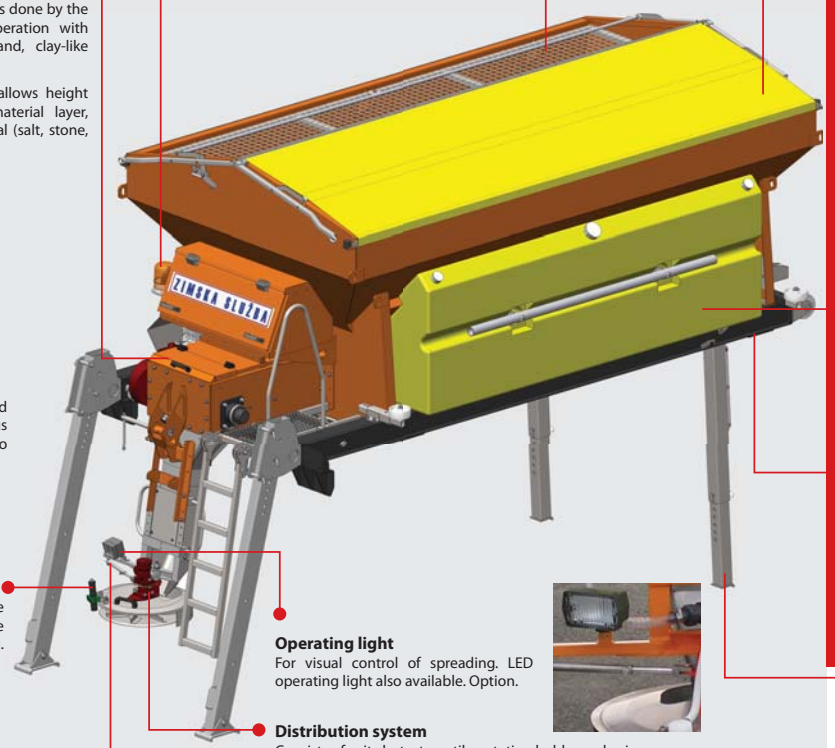
Lump crushing system
Lump crushing system, as standard equipment, provides, continuous and balanced flow of material onto the spinner.

Spreading sensor
Sensing the material exiting the spinner. Gives the signal to the control unit if spreading is stopped. Message is shown on unit's screen.

Spreading pattern
Manual system for changing spreading pattern is standard.

Automatic system is available as an option.

Protective grid
Mainly protects from entering the hopper and contact with conveyor, but also prevents bigger lumps of material to get into the hopper.



Operating light
For visual control of spreading. LED operating light also available. Option.

Distribution system
Consists of exit chute, turnstile, rotating holder and spinner.

Design of exit chute and turnstile enables height adjustment of the spinner, related to the ground.

Rotating holder enables spinner rotation to left or right in relation to driving direction and changes the spreading asymmetry.

Concave spinner ensures minimum bouncing of the material from the surface.

Tarpaulin cover with steel frame
Protects solid spreading agent from weather conditions (rain, snow, humidity) to prevent tunnel effect. Delivered as option. The tarpaulin is opened from the ground by means of a rope.

Pre-wetting system
Consists of tanks, pump, dispenser, filling coupling, maximum level sensor, one-way valve and hoses. Possible to be upgraded with minimum level sensor. Option.

Carrying frame
Modular design of the carrying frame enables the adjustment of the spreader's gravity centre to ensure the best possible axle load distribution. Carrying frame for mounting directly on the vehicle's sub-chassis available as an option.

Ro-Ro system
Enables simple loading into the truck's tipper box. Consists of height adjustable front and rear legs. Available in payloads of 3, 5 or 10 tons.

device type	Solid T 8.0	Solid T 7.0	Solid T 6.0	Solid T 5.0	Solid T 4.0	Solid T 3.0
spreader capacity [m³]	8	7	6	5	4	3
brine tank capacity [lit.]	3000	2800	2400	2400	1940	1240
spreading width* [m]	2 ÷ 9 (3 ÷ 12)					
spreader weight when empty** [kg]	2100 ÷ 2600	2000 ÷ 2500	1900 ÷ 2400	1850 ÷ 2350	1640 ÷ 2150	1200 ÷ 1500

* spreading width depends on customer's requirements
** spreader weight depends on additional equipment required by customer