

## 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



spreader **SOLID X**

spreader with  
worm conveyor

## Additional Equipment



### Diesel hydraulic power unit

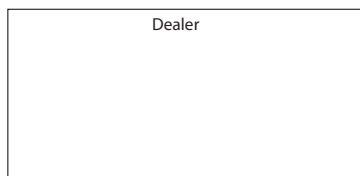
Spreader can be equipped with external diesel-hydraulic power unit if the vehicle does not have proper hydraulic system. Customer can choose between two versions:

- 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.

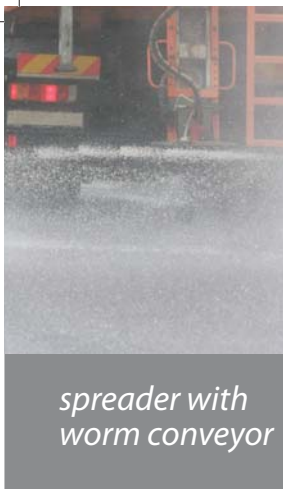


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ISO 9001





spreader with worm conveyor

### Application

SOLID X spreaders are designed 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 worm conveyor. 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 X 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 worm conveyor.



#### Operating light

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

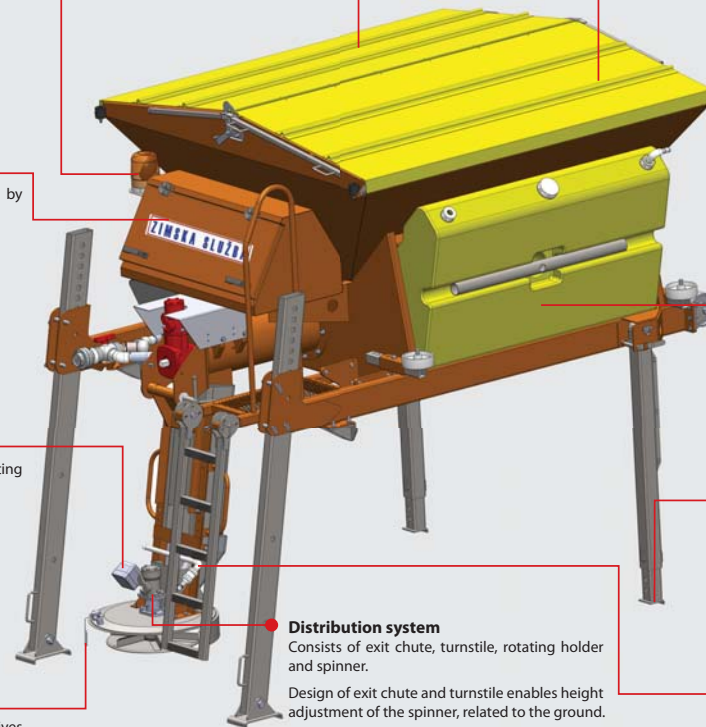


#### Spreading sensor

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

#### Protective grid

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



#### 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.

#### 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.

#### Spreading pattern

Manual system for changing spreading pattern is standard.

Automatic system is available as an option.

device	Solid X 8.0	Solid X 7.0	Solid X 6.0	Solid X 5.0	Solid X 4.5	Solid X 3.0	Solid X 2.5	Solid X 2.0	Solid X 1.7
dimensions [mm]	8.0	7.0	6.0	5.0	4.5	3.0	2.5	2.0	1.7
spreader capacity [m <sup>3</sup> ]	8	7	6	5	4.5	3.0	2.5	2.0	1.7
spreading width* [m]	2 + 9 (3 + 12)								
brine tank volume	2500	2500	2300	2300	1800	1200	1000	800	840
weight** [kg]	2200	2090	1900	1800	1640	1200	1000	900	800

\* spreader width depends on customer's requirements

\*\* spreader weight depends on additional equipment required by customer

