

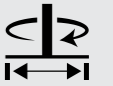
TECHNICAL DATA



	Volume of solid agent hopper [m³]	Volume of liquid agent tank [l]								
		1 front tank	1 front + 2 side tanks	2 front tanks	2 front + 2 side tanks	3 front tanks	3 front + 2 side tanks			
SOLID C										
4.0	4	2000	3840	4000	5840	6000	7840			
5.0	5									
6.0	6									
7.0	7									
7.0d	7							4300	6300	8300
9.0	9							4500	6500	8500

EQUIPMENT OPTIONS

- Cover grids and tarpaulins
- Edge guards against material overflow
- Access platforms
- Spinner for spreading
2 ÷ 9 m / 3 ÷ 12 m (dry) ;
1 ÷ 6 m / 2 ÷ 9 m (wet)
- Multiple mounting options
- Storage legs
- Various combinations of liquid agent tank volumes
- Liquid agent pumps various capacities
- Liquid agent spreading using a spinner or ramp with nozzles
- Control units, sensors, cameras and actuators for automation of spreading
- ARMS system
- Spreader drive: multiple system choices
- Working and rotating lights
- Reflective markings
- Protection of vehicle undercarriage
- Colour tone in accordance with user requests



Dry/wet spreading with a spinner
2 ÷ 9 / 3 ÷ 12 m; liquid spreading
with a spinner 1 ÷ 6 / 2 ÷ 8 m; liquid
spreading with a ramp with nozzles
3 x 3.75 / 2 ÷ 12 m.

Dry agent hopper with a volume of
4.0 – 9.0 m³, liquid agent tank with
a volume of 2000 – 8500 litres.



Intended to be mounted
on trucks.



One of three dry agent conveyor
systems (auger, chain, belt
conveyor) in combination with
liquid spreading.

SOLID C

COMBINED SPREADING FOR A HIGH DEGREE OF EFFICIENCY



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SPREADER CHARACTERISTICS



SAVES TIME AND RESOURCES

The SOLID C spreader is the most advanced spreader in the SOLID spreaders family. It is specifically designed to accommodate dry, pre-wetted and liquid spreading in one machine. Combined spreading provides flexibility in situations when one vehicle is used for road maintenance in different weather conditions. The combination of dry, pre-wetted and liquid spreading reduces the total consumption of spreading material and increases the efficiency of use of a single winter service vehicle. Stainless steel spinner is used for spreading of dry and pre-wetted material. Different percentage of brine in mixture is supported, giving operator a possibility to choose up to 70% of brine, 30% of salt mixture. Every SOLID C spreader can also spray only liquid using either the spinner or a special ramp with nozzles.

FLEXIBLE AND LONG LASTING SOLUTION

Three different versions of the dry spreading material transport system are available to make each spreader best suited to specific spreading material and working conditions. Auger, belt or chain conveyor in combination with flexible brine storage tanks size and brine pumps of different capacities are guarantee that every customer requirement can be met. In addition, spreader can be equipped with dual brine system, enabling usage of two different brine types.

The process of mounting and demounting the spreader from the vehicle is simple due to the system of mounting legs and quick couplings, while a unique surface protection guarantees a long lifespan of the spreader even in the most difficult working conditions. The spreader can be powered through a hydraulic system installed on the vehicle or through a separate diesel hydraulic power unit installed on the spreader.

SIMPLE AND SAFE TO USE

All spreading parameters, such as dry, pre-wetted or liquid agent quantity and spreading pattern, are controlled through one of the EPOS control units. Control of the spreader's hydraulic actuators with a system of feedback connections ensures highly precise spreading in all work conditions, while the automated calibration system enables fast and simple calibration of spreading precision. Spreading control with the use of EPOS control units is possible without looking away from the road due to an ergonomic distribution of keys and implemented sound warnings. For easier and safer operation, the spreader can be equipped with additional working lights, visual markings and signal lights according to the legal regulations to provide maximum visibility of the winter service vehicle in real working conditions.

BASIC PARTS OF SOLID C SPREADER

1 Solid material hopper

Constructed and manufactured in a way that prevents the adherence of spreading material to the spreader's walls, eliminates the tunnel effect and ensures a continuous flow of material toward the distribution system.

2 Spreader's safety grid and cover

The safety grid protects the spreader from damage when the spreading material is being added, while the cover prevents the material in the hopper from becoming wet.

3 Pre-wetting system

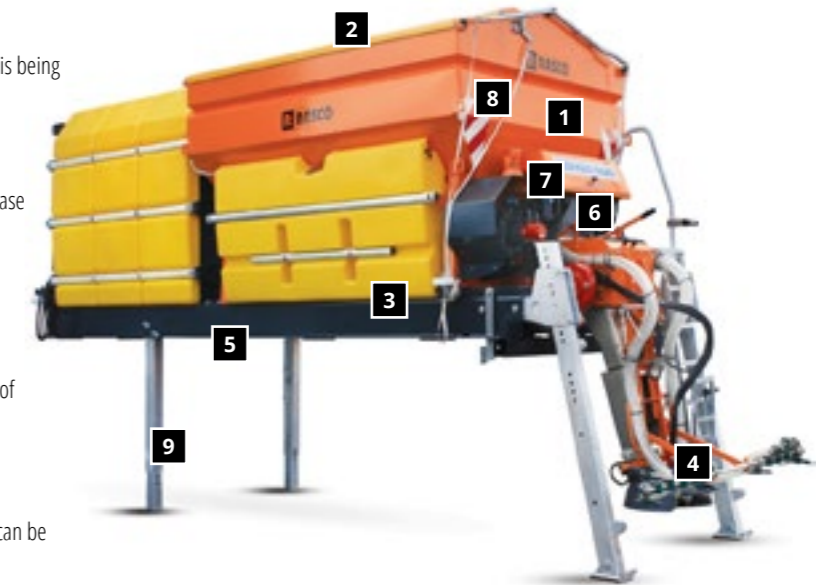
Increases the percentage of moisture in dry spreading materials in order to increase their capability of adherence to the surface and their road de-icing performance.

4 Distribution system

Two designs are available depending on the technology of spreading. For solid materials, a chute exit and spinner for rotation spreading are used. For liquid materials, a ramp with nozzles is used. Both systems enable uniform application of material over the entire spreading width.

5 Vehicle mounting system

Includes the use of legs for quick mounting and demounting and a frame which can be adjusted for various mounting methods.



6 Conveyor system

Spreaders SOLID C can be implemented with three different transport systems. The choice of transport system depends on the type and quality of spreading material.



The auger conveyor is the best choice for spreading with materials such as salt, sand or stone granules with low moisture content.



The belt conveyor is intended for spreading with dry materials of low or moderate humidity.



The belt conveyor is intended for spreading with dry materials of low or moderate humidity.

7 Spreader drive

It can be carried out through built in vehicle hydraulics or a diesel hydraulic power unit mounted on the spreader.

8 Traffic signalization

Carried out according to legal regulations in force in the country of use. Reflective labels, rotating lights and illuminated signs ensure good visibility of the spreader and vehicle in all weather conditions.

9 Storage outside the season

Storage of spreaders outside the season is made easier with the use of storage legs.

10 Control units

Ergonomically shaped and simple to use, EPOS control units enable the control of spreading parameters from the vehicle cabin without the need to look away from the road or distracting the driver while driving.



EPOS 20



EPOS 10

- Control of spreading quantity and width
- Dry spreading
- Pre-wetting
- Speed - dependant spreading
- Spreading control using feedback connections
- Adjustment of spreading pattern asymmetry
- Separate adjustment of left and right spreading
- Thermal camera
- Automatic spreading using GPS location and predefined routes