EN

RASCO

More than products. A partnership.

# SOLID XG

## Spreader designed for compact vehicles

Spreader for compact municipal vehicles, with dry agent capacity from 0,6 to 1,5 $m^3$ and liquid agent capacity from 300 L to 500 L.

SOLID XG professional spreader

# Winter service in compact dimensions

SOLID XG is a compact spreader, specially intended for gritting and salt spreading on narrow roads, footpaths, parking lots and similar narrow spaces inaccessible to larger winter service vehicles.

It is mounted on compact vehicles, which are commonly used in city maintenance.

SOLID XG is available with a dry agent hopper capacity from 0,6 to 1,5 $m^3$, and with liquid agent tanks capacity of 300, 400 and 500 L.

Precision and efficiency of work with SOLID XG is enabled by an auger conveyor system. The auger conveyor has a built-in fragmentation mechanism which prevents the passage of larger lumps of material for dry spreading onto the spinner. Blades located at the end of the auger conveyor prevent the passage of large clumps of material onto the distribution spinner and ensure a uniform dosage of spreading agents.

Auger conveyor is the best choice for spreading with materials such as fine salt with a low moisture content or stone granules. If equipped with a pre-wetting system, the dry agent can be mixed with chloride solutions in order to increase the spreading efficiency.

Spreading of dry or pre-wetted agent is performed using a distribution spinner to a width of up to 6 metres.

The spreader is powered using the drive vehicle's own hydraulic system, and controlled with one of the EPOS control units. With complete control over the spreader and excellent spreading precision, EPOS also enables travel-dependant spreading, assymetrical pattern setting and automated GPS spreading.

Various mounting options are available depending on the type of drive vehicle: mounting inside a tipper body, onto tipper body balls, on a vehicle's special rear platform or on a towing trailer.


## WHY CHOOSE A SOLID XG SPREADER?


### Compact dimensions

SOLID XG is specially intended for spreading of narrow roads, squares, footpaths, bicycle paths, parking lots and similar narrow places in urban areas, which are usually inaccessible to larger winter service vehicles.

### Spreading precision

The finely tuned distribution system of the SOLID XG spreader paired with the EPOS range of electronic control units provides the user with total control and excellent spreading precision. This is guaranteed by features such as travel-dependent spreading, assymetrical pattern setting and automated GPS spreading.


### Lowest total cost of ownership

Unique surface protection system, ease of use and maintenance, robust design, high-quality materials, and hydraulic components produced by renowned manufacturers guarantee safe investment in the SOLID XG spreaders.

Proven durability, safety, efficiency, simplicity, and availability of service parts and post-sales support guarantee the lowest total cost of ownership of a spreader currently available on the market.

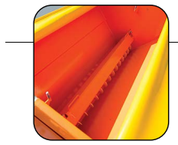
### Minimal maintenance

Main parts of the spreader are constructed for uninterrupted work during the entire winter season, without the need for additional maintenance.

# BASIC PARTS OF SOLID SPREADERS

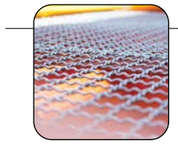
### *1* | Hopper

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* | 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 dry agent hopper from becoming wet.



### *3* | Pre-wetting system

Liquid agent tanks available with 300, 400 or 500 L capacity and can be installed on the sides of SOLID XG spreader upon request.

### *4* | Control unit

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 5 EPOS 10 EPOS 30

### *5* | Vehicle mounting system

SOLID XG can be mounted on tipper box, directly on vehicle chassis, on tipper box balls and on trailers.




### *6* | Conveyor system

Constructed in the form of an auger conveyor, allowing use of gravel or salt for spreading.

### *7* | Distribution system

Chute exit and spinner are used for dry and wet spreading.



### *8* | Traffic signalisation

Installed 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* | Rear platform

Designed for easier access to the rear side of the spreader, recommended in case of fixed mounting of the spreader.

### *10* | Storage outside the season

Storage of spreaders outside the season is made easier with the use of storage legs for storing an empty or a full spreader.

SOLID XG SPREADER MOUNTING

# Every spreader needs a vehicle

SOLID XG spreaders can be adapted for mounting on various types of compact municipal vehicles. You can choose from a variety of mounting options:

**Mounting on tipper box**

**Mounting on tipper box balls**

**Mounting directly on vehicle chassis**

**Mounting on trailers**

### RASCO spreader safety

Mounting the spreader on vehicles is performed according to strict safety standards and recommendations of the vehicle manufacturer.

The spreaders can be quickly and easily mounted or de-mounted from vehicles.

Multiple safety elements protect the user during spreader operation and maintenance.

Spreaders are marked with light and reflective markings that ensure visibility of the winter service vehicle regardless of weather conditions.

SOLID XG SPREADER DRIVE

# Solution for vehicles with built-in hydraulic system

### Vehicles with built-in hydraulic system

SOLID XG spreaders are powered using a built-in hydraulic system of the vehicle if it is designed according to the EN ISO 15431 standard.

SOLID XG SPREADER CONTROL

# Intuitive and advanced control units

The work of all RASCO spreaders is controlled by EPOS control units. Their dedicated development by RASCO experts in cooperation with the users makes EPOS control units a leading solution for spreading control and monitoring. The EPOS family of control units is the result of the knowledge and experience gathered in 30 years in over 40 markets where RASCO operates. The result is intuitive control units, easy to use, designed for controlling the spreader without taking your eyes off the road.

SOLID XG spreaders can be controlled with EPOS 5, 10 and 30 control units. EPOS 10 enables control of all spreader functions, and EPOS 30 adds the option of wireless connectivity, GPS automatic spreading, navigation, and front and side snow plough control.

The high reliability of compliance with the set parameters is achieved by using the system of feedback connections with the spreader's actuators, and the simple and rapid calibration system of the spreader ensures precision of spreading using different spreading materials.

### Geolocation and navigation in the service of winter road maintenance

Geolocation of vehicles and navigation are standard functionalities that are used primarily for easier and faster navigation on the roads.

They can be used in the winter road maintenance service for faster, easier and more reliable maintenance of smooth traffic flow. Record the routes used by winter road maintenance vehicles once. Add spreading parameters to segments of recorded routes. After that, the winter road maintenance drivers must only follow the instructions of the navigation system, and adjusting of the spreading parameters is fully left to the EPOS 30 control unit according to the pre-set parameters.

| EPOS | 5 | 10 | 30 |
|---|---|---|---|
| Control of spreading quantity and width | ● | ● | ● |
| Dry spreading | ● | ● | ● |
| Wet spreading | ● | ● | ● |
| Travel-dependant spreading | ● | ● | ● |
| Adjustment of the spreading pattern asymmetry | ● | ● | ● |
| Spreading control using feedback connections | ● | ● | ● |
| Separate adjustment of left and right spreading width | - | ● | ● |
| Automatic spreading using GPS location and predefined routes | - | - | ● |
| Online & offline maps | - | - | ● |
| Connectivity via Bluetooth and Wi-Fi | - | - | ● |

### Keep track of your winter service fleet of vehicles in real time

ARMS is an information and communication system for control, central monitoring, reporting and optimization of activities related to the maintenance of traffic infrastructure.

Monitoring of working hours of people and machines as well as of the used resources (such as the used spreading salt, vehicle fuel etc.) in real time creates a unique possibility to quickly decide on potential saving methods.

Unchangeable logs protect the user from liability by providing clear information on any taken action, while the reduced consumption of spreading material at the same time protects traffic infrastructure and its surroundings.

## TECHNICAL CHARACTERISTICS

| Model | Dry agent hopper | Liquid agent tanks capacity | Spreading width | Conveyor system |
|---|---|---|---|---|
| | $m^3$ | L | | |
| SOLID XG 1200 | 0,6 - 0,8 | 300 | 1 ÷ 6 m | Auger |
| SOLID XG 1600 | 0,8 - 1,5 | 400 | | |
| SOLID XG 2000 | 1,0 - 1,5 | 500 | | |

## CHOICE OF SPREADER EQUIPMENT

- Pre-wetting system
- Transport system extension
- Sensors and cameras for spreading control
- Variety of mounting options
- Control units
- ARMS system
- Cover grids and tarpaulins
- Access platform
- Storage legs
- Work lights and rotating lights
- Graphic markings
- Colour by customer's choice


**RASCO d.o.o.**
Kolodvorska 120b
HR - 48361 Kalinovac
CROATIA

+385 48 883 112
rasco@rasco.hr

RascoCompany
Rasco_company

RascoTV
RASCO d.o.o.

www.rasco.hr


REV 07_2024