

— Protect the environment - tile coating - shops and stairs against salt —

2020

— — — — — The way to sustainable and cleaner environment — — — — —



The environmentally friendly road - with Saltnex brine spreaders

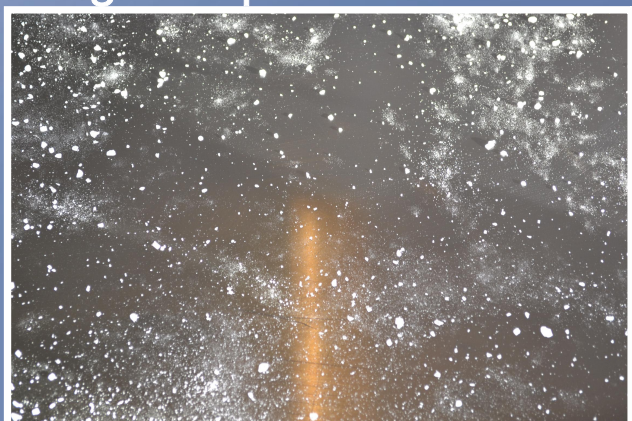
Saltnex

Saltnex ApS - Nyholmsvej 7, DK 8930 Randers NØ - CVR: 37629782 -  
Tlf: +4521267639 Mail: [hc@saltnex.dk](mailto:hc@saltnex.dk) - [lene@saltnex.dk](mailto:lene@saltnex.dk) - [www.saltnex.dk](http://www.saltnex.dk)



— — How do your sidewalk and bike path look like after winter road maintenance? — —

20 grams per m<sup>2</sup>



40 grams per m<sup>2</sup>



5 grams per m<sup>2</sup>

5 grams per m<sup>2</sup>. is the amount of salt applied at 20 ml. brine per m<sup>2</sup>. and which over the years has proved to be sufficient when the temperature is about 0 degrees.

— — Indicative fluid table for winter road maintenance — —

Compiled from customer experience over 20 years.

Temperature range without precipitation	+2 to -3 degrees	.....20 ml/m <sup>2</sup>	= 5,0 g. salt
Temperature range without precipitation	-3 to -5 degrees	.....30 ml/m <sup>2</sup>	= 7,5 g. salt
Temperature range without precipitation	-5 to -7 degrees	.....40 ml/m <sup>2</sup>	= 10 g. salt
Temperature range at snowfall	+2 to -3 degrees	.....40 ml/m <sup>2</sup>	= 10 g. salt

**Advantage:** Less environmental impact and more gentle to buildings, coverings and plants. Higher level of service for cyclists and pedestrians.

**Limitations:** The brine cannot remove snow, so it must be swept or scraped before laying the brine.

**By ice layer:** There is some uncertainty with the use of brine.

Other solutions are recommended e.g. liquid potassium formate 50%, which is ecolabeled with the Swan Ecolabel.

*In particularly sensitive areas, the ecolabeled potassium formate is recommended*

— — — — — **Saltnex** — — — — —

— — The difference between 20 grams and 5 grams per m2 in a winter. — —



300 kg contains 300 kg. salt, where the material is very uneven and the moisture fluctuates a lot.

### Salt spreader

Example: 15 km bike path/sidewalk:

At 20 grams/m<sup>2</sup> is used 300 kg. salt  
A route is driven 25 times a winter.  
Salt consume at the route: 7.500kg.



300L brine contains 276 l water and 69 kg. salt.  
The brine as material (viscosity) is similar after mixing.

### Liquid spreader

Example: 15 km bike path/sidewalk:

At 20 ml/m<sup>2</sup> is used 300 l. which is 69 kg. salt.  
A route is driven 25 times a winter.  
Salt consume at the route: 1.725 kg.

— — — — Less salt consumption will be experienced as higher service — — — —

Protect shops and offices against salt.  
Protect sensitive coatings and underlays against salt.  
Protect trees, shrubs and other plants against salt.  
Protect the bikes against punctures.  
Protect the paws of the pets against salt.  
Protect yourself from dissatisfied citizens complaining about the salt mess.

Save money on consumption of salt.  
Save time, there is no calibration.  
Save money with less equipment maintenance.  
Save money with less consequential damage on coatings.

— — — — — Saltnex — — — — —



## Spreader type and size selection

Required radius of action - how long is the route, which is driven?

Path/sidewalk nature - width - changes of width?

Which vehicles (tractor - implement carrier - car)

Driving force available to the liquid spreader

PTO - hydraulics or electricity?

Vehicle carrying capacity - Soil pressure on the ground ?

Basic rule for calculation of action length:

At 20 ml/m<sup>2</sup> with spreadingwidth at 1 m = 5,0 km per 100L

At 40 ml/m<sup>2</sup> with spreadingwidth at 1 m = 2,5 km per 100L

5,0 km = 5.000 m<sup>2</sup> - 2,5 km = 2.500 m<sup>2</sup>

12 different models in 25 variants.



The environmentally friendly road - with Saltnex brine spreaders

Spreadingwidth from 0,80 to 5,0 m.

50 L to 1.750 L operating mode with choice of PTO - Hydraulik to electric operation

# Saltnex



## Model 7.0 trolley.

50 L trolley with electric pump and charger.  
Big pneumatic tires.  
swivel support wheel - with brakes.  
Adjustable handles.  
Battery capacity 6x50L.  
Weight: 45 kg.  
Suitable for small paths.  
Can be taken into an elevator  
Only 71cm. wide.



Big selection of equipment  
Hand lance with 5 m flexible hose.

12 m. hose with upholstery.

Side nozzles with tap.  
Spreading width up to 2 m.

Foldable drawbar.

Electric self-propelled.

Less salt consumption will be experienced as higher service



Sidenozzle for R&L side



Flex hose with hand lance



Support wheel with brake



Folding pull

# Saltnex



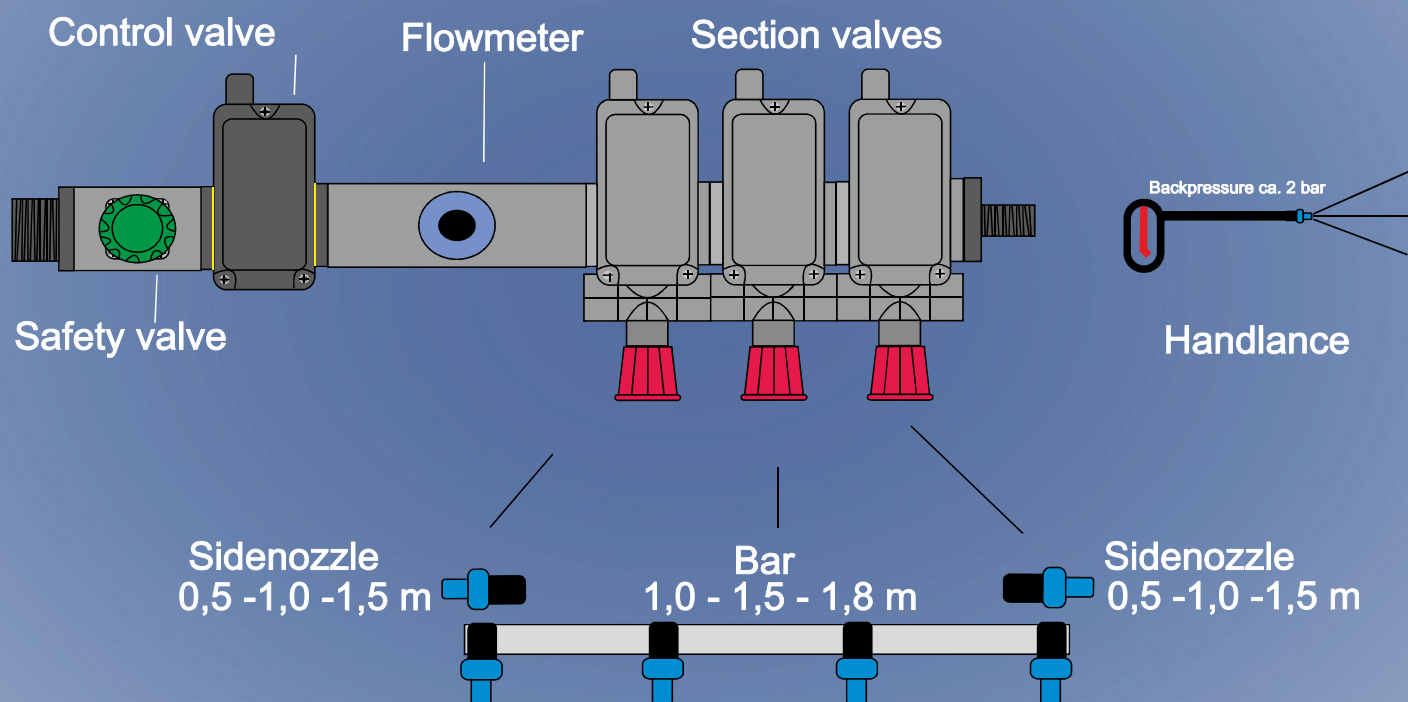
## Remote control - simpel and easy to use



### IT IS SO EASY

Road-speed control. Daily service is very simpel:  
Press the arrow keys and the quantity is adjusted up/down.  
The display shows: ml/m<sup>2</sup>. Press at bar or sidenozzle right or left.  
Data transfer is possible.

## Functioning principle for fluid control:



Saltnex



— - Model 7.1 - 800 L with 1,30 m. bar and sidenozzles 1m. to right and left — —



— — Model 7.1 - 800 L    500 L    350 L    200 L — —



— — — — — Saltnex — — — — —



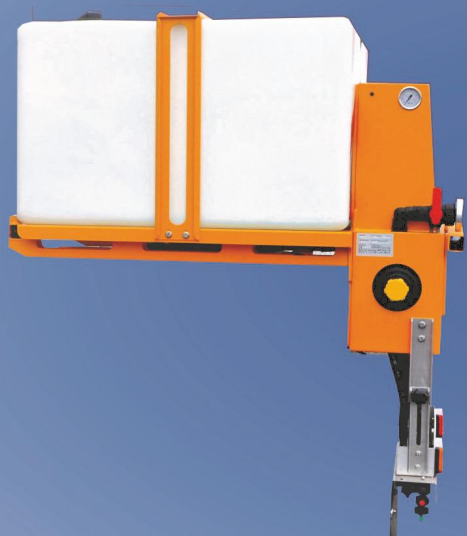
Model 7.2 for Egholm - Kärcher - Timan - Vitra - etc.



Model 7.2 - 500 L

350 L

200 L



Saltnex



## Model 7.5 - 400 L 600 L for Hako



## Model 7.5 - 200 L 400L 600 L

Choose between hydraulic fluid pump or 12V electronic pump



# Saltnex



Model 7.5 - 200 L at Garia electronic car



Model 7.5 - 200 L, 400 L with electronic pump



Capacity per charging 800 L.

Saltnex



Model 7.4 for mounting at frame - 7.4 B for flatbed.



700 L. with hy. liquid pump  
for big tool carriers.



700 L. with el. liquid pump  
for smaller cars



Model 7.4 & 7.4 B -700 L 1050 L 1400 L 1750 L

Choose between hydraulic fluid pump or 12V electronic pump



Capacity up to 1600 l. per charging

**Saltnex**



— — — — Model 7.3 - 700 L. Turf with equipment for artificial turf — — — —



— — — — Model 7.3 - 700 L    1050 L    1400 L — — — —

Option: without brake - trailer brake - hydraulic brake



Spreading width std. 3 m.



Spreading width std. 5 m.

— — — — Saltnex — — — —



## Brine spreaders for your wishes:



## Facts about Saltnex

Saltnex is a part of the Randers Maskinfabrik Group, which is a danish family owned manufacturing company, who is responsible for the production and assembly of the Saltnex machines.

The control unit is delivered by Lykke-tronic, which also is a danish company with many years of experience in electronics.

There is 25 years of experience and know-how behind the development of the brine spreaders, where there is a great focus on the environment by winter road maintenance.

Our strategy is to deliver a product that is very user-friendly, contemporary, made of high quality materials and where the design contributes to low operating costs.

To be able to adapt the spreaders to the wishes and needs of the customers.

# Saltnex



## For those who have to mix brine themselves

**Mix table 20% Brine, Density 1,115**

Total Quantity			
Brine L.		Water L.	Salt Kg.
100		92	23
200		184	46
300		276	69
400		368	92
500		460	115
600		553	138
700		645	161
800		736	184
900		828	207
1000		920	230

Filling pump for CMA - VIAform etc.



Mixing plant consisting of:  
1000L. pallet with lid. 2 pcs. pumps,  
mixing capacity 480L/min.  
Filling capacity 150L/min.  
230V with liquid scale and  
refraometer for fluid control.

## Model 7.9 - 1000 L. mix tank



**Saltnex**

## Equipment for the production of high quality spreaders



## Saltnex has a focus on service



- Saltnex -

Saltnex



# The road to sustainable and cleaner environment