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P 2000

Salt solution station

The P 2000 is a solid and reliable salt solution station and an ideal addition to the winter maintenance programmes of road administrators, towns and municipalities. Many more are opting for spreading pre-wetted salt due to its better adhesion and faster thawing effect, which in turn leads to greater road safety, lower salt consumption and reduced costs. It is also less harmful to the environment as lower salt dosages and precise spreading patterns ensure a reduced environmental impact.

Highlights

- Suitable for **all common types of salt**
- **Reduced environmental impact**
- Also suitable as a **buffer**

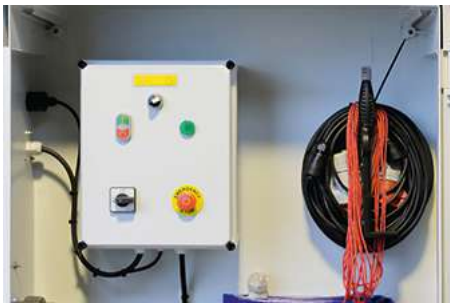
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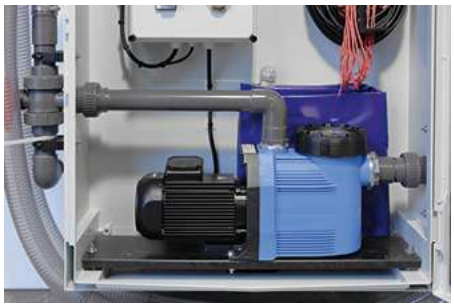
- **Compact dimensions**: The P 2000 takes up little space and is not intrusive, even out of season.
- **Cost-effective salt dissolving system**: The P 2000 has low investment costs, is low-maintenance and requires no additional equipment to be purchased.
- **Easy to relocate**: The system can be easily moved with the help of a forklift or lifting truck.

Performance features

Construction

The P 2000 features a solid construction, simple operation and reliable functions, with few moving parts. In addition to a mixing tap, the system has a dissolving/filling pump and an on/off switch. The station‘s entire housing is made of durable polyester, while it has a capacity of around 2,000 litres of unsaturated solution (20-21%) per batch.







Preparation of the salt solution

Wet salt is suitable for almost all winter weather conditions down to a temperature of -10°C. However, the decisive factor is the brine required for pre-wetted salt spreading. Too low a concentration can cause freezing, while too high a concentration results in a saturated solution that can lead to crystallisation and malfunction of the system.
The P 2000 works according to the „flow around principle“. This involves dissolving salt until a saturated solution is formed, which is then diluted again until the concentration has the desired properties, thus ensuring that crystallisation is impossible.
The preparation of the salt solution is quick and easy. The dissolving compartment is filled with around 500kg of salt and the water tank with about 2,000 litres of water. The pump can then be switched on to start the dissolving process. After about 20 minutes, 2,200 litres of unsaturated salt solution is ready for use. If the solution is not used up immediately or is pumped into a storage tank, the P 2000 can also act as a buffer.

The production of an unsaturated solution has two very important advantages:
Trouble-free operation: No crystallisation can take place, which is important for the trouble-free operation of the spreader and the equipment.
Circulation is unnecessary: The unsaturated solution makes regular circulation unnecessary as the solution cannot settle at this concentration.

Options

- Concentration analyser
- Tarpaulin



Note

Local regulations regarding connections, authorisation, operation, underground drainage and storage must be observed at all times.

Gallery







Related products

S 3000

Salt solution station



Technical data

Hopper	
Capacity	2,000 l/Charge
Brine - fixed concentration	20 - 22 %
Electric	
Power supply	230 / 400 V
Dimensions	
Length	2,380 mm
Width	1,450 mm
Height	1,380 mm

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