



*brine mixing station* **MMS**



## Purpose

MMS is a brine mixing station designed for preparation of CaCl<sub>2</sub>, NaCl or urea pre-wetting solution. Pre-wetted salt spreading is becoming more frequently used for road de-icing because of its many advantages, such as:

- de-icing at very low temperatures (up to -20°C)
- solid spreading agent (salt) savings up to 30%

## Description

The entire device is made of special plastic which provides permanent resistance to corrosion and UV radiation. In its standard version, the device is equipped with a 6/4" hydrant connection pipe which connects to the spreader using a separate hose when filling. A movable arm for filling is available as additional equipment, for use with types of salt spreaders that must have their tanks filled from above.

## The device consists of:

- tank with a capacity of 4000/5000/6000/8000 litres
- pouring basket – mixer for spreading agent preparation with a capacity of 800 liters;
- pumping unit with a complete installation which enables all the functions of the device: brine mixing, brine pumping into spreader tanks, brine pumping into an additional tank, etc.

## Technical data

- |                                 |   |
|---------------------------------|---|
| • <b>basic device capacity</b>  | 4000/5000/6000/8000 litres  |
| • <b>tank upgrade options:</b>  | from 5000 to 50000 litres   |
| • <b>pump capacity:</b>         | 36000 l/h   |
| • <b>power grid connection:</b> | 380V/50Hz   |
| • <b>pump drive:</b>            | electro-motor 380 V/50Hz/1,5kW/2,9A   |
| • <b>standard equipment:</b>    | <ul style="list-style-type: none"><li>• electric cord 380/16A, 10m long</li><li>• electric cord – connection between the electronic level meter on the spreader and the MMS power unit which automatically turns off the pump when the spreader tanks are full</li><li>• hystometer (refractometer) for brine concentration measurement</li></ul> |



## Additional equipment

- pipe for filling the spreader from above
- tank with a capacity of 5000/10000/15000/20000/30000/50000 litres;
- digital brine concentration measurement device with temperature compensation and on-screen data display in percentages, with deviation from true value up to 0,5%



Digital brine concentration measurement device

brine mixing station **MMS**

- Kolodvorska 120 b, HR-48361 Kalinovac
- tel: +385 (48) 883 112; fax: +385 (48) 280 146
- e-mail: rasco@rasco.hr
- www.rasco.hr

