

## Spreading unit

### “Premium” Open Spreading system

Spreading group with a large disk (600mm diameter) and with all the metallic parts in AISI 304 stainless steel. It's equipped with asymmetry adjustment. Single open disc for an excellent salt and/or sand spreading. The chute is realized in polyethylene HD (high density) with circular shape permitting excellent sliding features at low temperatures. The spreading disc is equipped with 6 blades. Blades are adjustable according to adapt the material distribution to its granulometry. Prepared for humidification system with nozzle over the spreading disc.



### Spreading system with mixing pre-chamber (patented)

The conveyor to the spreading disc is in HD polyethylene (high density), has circular section, is melted off in mould to facilitate the salt flow also at low temperatures. The distributor consists of a double disc in order to achieve an homogeneous solid-liquid mixture. The solid material reaches the pre-chamber. It flows through an opening with constant section where it is invested by a liquid veil flowing homogenising in an excellent way and reaches the outside disc equipped with 6 stainless steel (AISI 304) blades. These blades have variable geometry to suit the material distribution to the relative grain-size.



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Spreader



**Demount system P1**

Demount system with galvanized telescopic feet with crank. Higher front feet for easy loading onto vehicles provided with side panels.



**Demount system P3**

Automatic demount system for tipper, with front rollers and feet fitting into the spreader. Unloading can be done automatically from the driver's cab.



**Demount system P3/15T**

P3 system reinforced for a total carrying capacity of 15 tons.



**Demount system P4**

Demount system for hook-lift complete of slide, protection guard for the vehicle platform and adjustable height rear rollers.

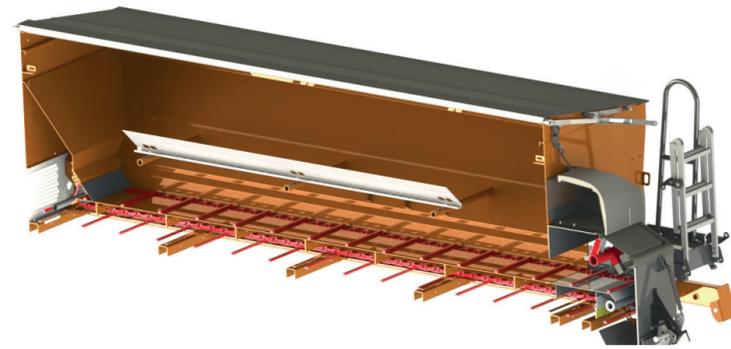
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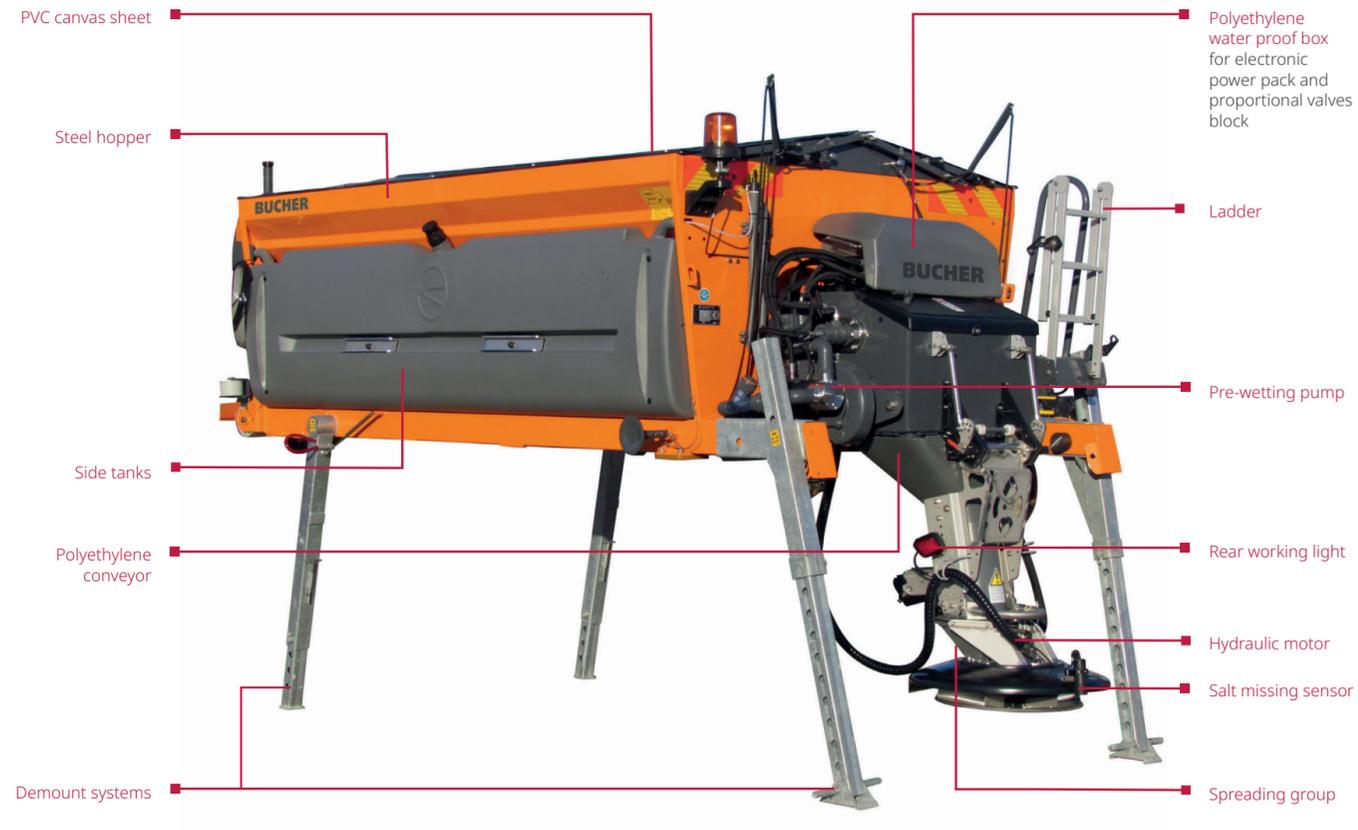
# Bucher UniQa

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Spreader for medium and heavy trucks, suitable for salt, sand or grit. The hopper, fully welded to prevent vibrations, is made of very thick high strength steel (stainless steel available on request), providing high load capacity without any deformation. Ideal for all types of roads, highways, parking lots, and public areas.



	UH3000	UH4000	UH5000	
Hopper capacity	4÷7	5÷11	6.5÷16	m <sup>3</sup>
Brine tank capacity	2270	2600÷3000	3700	l
Min/max. spreading width	2÷12	2÷12	2÷12	m
Min/max. Salt dispensing capacity	5÷40	5÷40	5÷40	g/m <sup>2</sup>
Min/max. Grit dispensing capacity	20÷350	20÷350	20÷350	g/m <sup>2</sup>
Hopper length	3400	4200	5200	mm



**Metal belt**  
The feeding system is realized by metal belt with cross-bars. The chain is guided by toothed pinions that enables a constant traction maintaining a correct translation synchrony, without skidding.



**Roller breaker**  
At the exit side of the chain or rubber belt feeding system, a hydraulically driven, transversal counter-rotating roller breaker with stainless steel blades is installed. The roller breaker enables a continuous material flow from the hopper to the spreading unit, breaking the salt lumps and thereby avoiding an uncontrolled drop.



**Ecosat10**  
Latest generation microprocessor controlsystems, with maximum flexibility in programming and visualisation of the different spreading parameters: width, asymmetry and dosage depending on the vehicle speed. Six different tools in all-in-one control box



**Hydraulic**

Throughout the vehicle hydraulic system are features that comply with the European Standards EN15431.



**Auxiliary engine**

Driven by an air-cooled (A/DW) or liquid-cooled Diesel engine.



**Asymmetric spreader**

Electric regulation of spreading asymmetry in 5 pre-set positions from the driver's cab.



**Pre-wetting pump**

The pre-wetting system is equipped with a volumetric pump directly coupled to the hydraulic motor, which is maintenance free. The Nitrile rotor does not need internal washing (only at the end of the season). Solid/liquid ratio is regulated directly from the control box in the driver's cabin.



**Side tanks**

Tanks constructed from sturdy and light-weight recyclable polyethylene.



**Salt missing sensor**

Salt missing sensor with visualization on the driver's cabin display.



**Second disc**

Second spreading disc to increase the salt and/or brine spreading width.



**Ladder**

AISI 304 stainless steel ladder for easy accessibility positioned in the rear right part.



**PVC hopper cover**

PVC hopper folding cover manually opened from the ground with steel structure.



**Grid**

Galvanized grid. Possibility of AISI 304 stainless steel grid (opt. G1X).