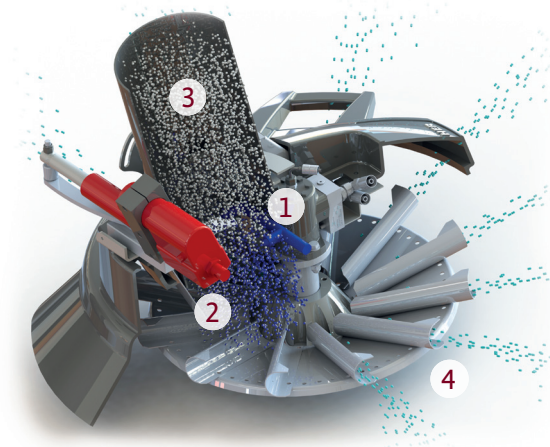


Spreading group



Optimal pre-wetted salt spreading thanks to EcoWet

EcoWet is the result of many years of intensive research and development. The aim was to develop a completely new type of salt/brine mixing system which, in combination with the asymmetrical spreading pattern adjustment, leads to a perfect mixing of the dry salt with brine. A clumping of the material is effectively prevented by the variable nozzle technology (1). The spray (2) coming out of the nozzle automatically adjusts its width to the quantity of the dry salt (3). The result is an optimum moisture penetration of the dry salt with brine and a perfect distribution of the spreading material over the entire spreading width (4).

	3004	3005	3006	3007	4005	4006	4007	4009	
Container volume, dry material	4,0	5,0	6,0	7,0	5,0	6,0	7,0	9,0	m³
Container volume, brine	2.640	2.640	2.640	2.640	3.200	3.200	3.200	3.200	l
Container length (L)	3.520	3.520	3.520	3.520	4.200	4.200	4.200	4.200	mm
Overall length (GL)	4.900	4.900	4.900	4.900	5.580	5.580	5.580	5.580	mm
Container width (B)	2.130	2.130	2.130	2.130	2.130	2.130	2.130	2.130	mm
Point of gravity unload (with pre-wetting)	1450	1490	1530	1570	1790	1830	1870	1910	mm
Point of gravity full load (with pre-wetting)	1580	1585	1590	1595	1920	1930	1935	1940	mm
Container height at centre (HM)	1.300	1.390	1.520	1.680	1.300	1.390	1.520	1.680	mm
Unladen weight without liquid salt	1.250	1.290	1.330	1.390	1.280	1.330	1.380	1.440	kg
Unladen weight with liquid salt	1.460	1.500	1.540	1.600	1.520	1.570	1.620	1.680	kg
Spread coverage, salt	5 - 40	5 - 40	5 - 40	5 - 40	5 - 40	5 - 40	5 - 40	5 - 40	g/m²
Spread coverage, grit / sand	10 - 250	10 - 250	10 - 250	10 - 250	10 - 250	10 - 250	10 - 250	10 - 250	g/m²
Spread coverage, brine	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30	0 - 30	%
Spread width	2-12	2-12	2-12	2-12	2-12	2-12	2-12	2-12	m

BMU_PA_EN_rev01 - 01-03-2017 - We reserve the right to make technical changes and changes to the models. The illustrations may feature special equipment and accessories which are not part of the standard package.



BUCHER
municipal

Spreaders



Demount system P1

Demount system with galvanized telescopic feet with crank. Higher front feet for an 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. The 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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Phoenix
Innovative spreading technology
for medium-size and large trucks

Phoenix: high-value spreading machine for medium-size and large trucks.

The new Phoenix is the result of an important technical project to optimize the equipment performances.

Phoenix thanks to the different hoppers’ volume starting from 4 up to 9m3, auger feeding system, humidifier, feet, different kind of sensors and control box in cabin, can be fitted on all kind of trucks and used in urban, extra urban and highway missions.

Thanks to its reliability Phoenix can work in all the hardest weather conditions. All the used materials have been submitted to severe controls of quality. Thanks to a modern welding technique and to the new processes of painting, it guarantees a long life working and elevated profitability.

Main Features:

Innovative pre wetting system

EcoWet it is the new pre wetting system that allows to have a homogeneous humidification of the salt

Different Hopper’s volume available

Perfectly adjustable and good weight distribution on all vehicles.

Low hopper

Low gravity’s centre, higher safety during the driving and easier salt loading

Light hopper

10% in weight reduction, higher loading capacity

Spreading control

Raw materials saving, more profit and environment protection

Modern painting Process

Powder coating guarantees an higher resistance and lower maintenance costs

Compact spreading group

Lower turning circle

Versatile configurability on the base of customer needs

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

Side tanks (optional)
Tanks constructed by sturdy and light-weight recyclable polyethylene.

Demount systems (optional)
500kg demount system as standard; available as optional the hook lift system and the automatic demount system.

Funnel
Made of high density polyethylene with a round cross-section, preventing a clumping of loose material in the tube even at particularly low temperatures.

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

Warning lights (optional)
Various systems with rotary beacons, winking and flashing lights can be supplied on request.

Winter service warning signals (optional)
Retroreflective material for rear and side warning signage.

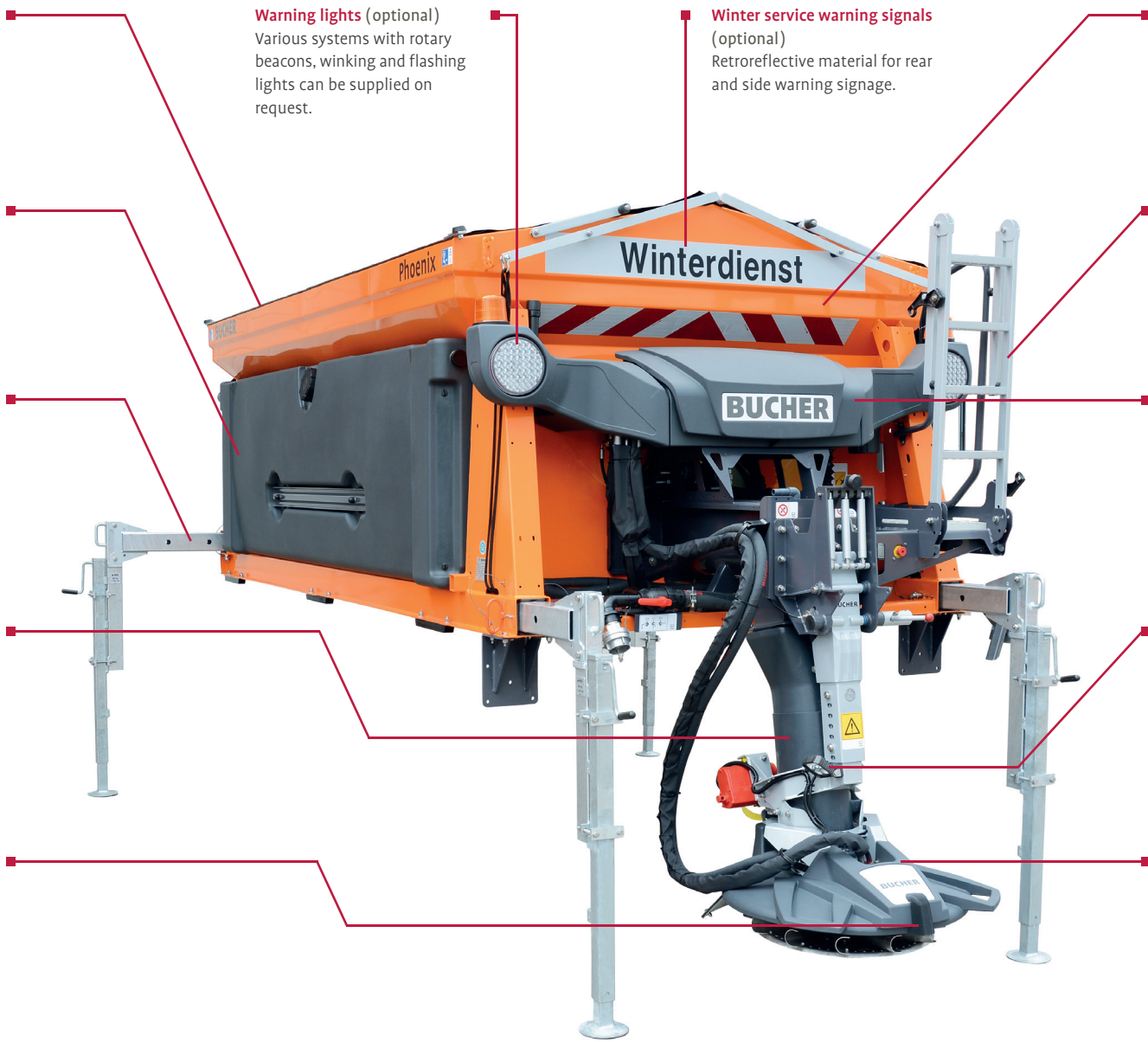
Specially painted spreader hopper
Made of welded high-strength steel by the latest robots. High-quality powder coating for a long life-cycle.

Ladder (optional)
AISI 304 stainless steel ladder in the rear right part, for an easy accessibility.

New equipement box design (optional)
Material made by highly durable and UV-resistant polyethylene. It offers an optimum protection for the warning lights and the hydraulic and electrical distributors.

LED working light
It provides very bright lighting in the work area. The housing is dust- and damp-proof.

Spreading distributor
Consisting of a stainless steel spreader disc with a special plastic cone and a modern spreader cover made of high resistant plastic material.



Innovative control technology



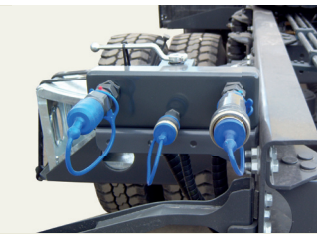
EcoSat
Latest generation microprocessor control-systems, with maximum flexibility in programming and viewing the different spreading parameters: width, asymmetry and dosage depending on the vehicle speed. Six different tools in all-in-one control box.



RouteInform and RouteReplay
Used together with EcoSat GPS. Satellite assisted data collection and processing for fully automatic spreading.



Auger system
The feeding system is realized by an auger that is designed to assure a continuous feeding of the material and a standardized emptying of the hopper. The auger is finished with a special paint treatment to provide lasting protection against the corrosion.



Hydraulic

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



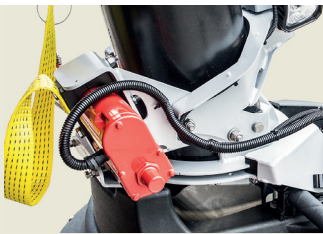
Auxiliary engine

Driven by an air-cooled or liquid-cooled Diesel engine.



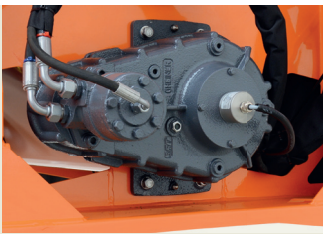
Fifth wheel

Driven by a fifth wheel and supported by a telescopic arm, the piston pump with anticavitation valve can work in a front and rear direction.



ESBV - Electronic spread pattern programmer

A powerful servomotor and a potentiometer enable the symmetric and asymmetric setting of the spreading pattern. Waterproof to IP 67 protection rating.



DuoShift powershift transmission

Multi-level spur gears (optional) with uniform performance over the entire nominal range. High breakaway torque and maximum conveying capacity.



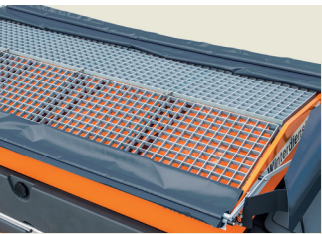
Liquid salt pump unit

Equipped with a plastic, maintenance-free, high-performance gear pump. The solid/liquid mixing ration is controlled electrically by using the control panel in the cab.



Equipment box

It offers an optimum protection for the hydraulic block, the junction box and the black box. Damp-proof sealing. With gas-pressure spring support.



Equipment safety cover

Light construction made of stainless steel and highly resistant GFK material.



Unimog ExpertPartner