

Why is the Bucher UniQa the spreader that will meet **all your needs?**

UniQa is a spreader for medium or heavy trucks which can be used with salt, sand or gravel. The hopper, fully welded to prevent vibrations, is made from thick high strength steel (STAINLESS STEEL on request) to allow a large loading capacity without deformation. Ideal for all types of roads, motorways, car parks and public areas.

It has a chain extraction system with parallel crossbars made of high strength steel. Due to its large extraction width, the hopper bottom is wider with more vertical walls to prevent any type of bridge effect even with difficult materials at low temperatures. The feedback sensor automatically adjusts the chain speed to guarantee constant feeding and uniform discharging of the material from the hopper with excellent spreading precision without the typical pulsating flow of an auger. The roller breaker placed crosswise at the bottom of the chain conveyor system provides a constant, uniform flow of material to the spreading disc and breaks all the lumps conveyed by the conveying system into small parts.

The UniQa has an exclusive Assist system which monitors the position of the machine in real time and automates the spreading parameters according to requirements. This all increases the operator's safety and the operator can concentrate on driving without having to modify the work settings eliminating the risk of accidents caused by distracted driving.

Bucher Municipal



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At Bucher Municipal we design innovative solutions for cleaning and winter maintenance and help our customers to grow and make their work more efficient and profitable. With over 200 years in the business, we are committed to helping you accomplish more with less. We are proud to be considered a reliable partner and work at local level with you to create a smarter, cleaner and more efficient future.



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BMU Ltd. UNIQA V. rev09_03/2022
The technical data and pictures are indicative and not binding.

UniQa

The spreader for all needs





“Premium” gritting system

Spreading unit with 23,6 in diameter disc with all metal parts made of AISI 304 stainless steel and adjustable asymmetry. Open unit for excellent spreading of all materials. The chute leading to the spreading disc is made of HD polyethylene with a circular cross-section, cast moulded to allow the salt to flow at low temperatures. The spreading disc has 6 blades. The blades have variable geometry to adjust the spreading of the material to the particle size. Can be used with a wetting system with a nozzle above the spreading disc.



UniQa Combi (optional)

The Combi version of the UniQa spreader for heavy trucks is suitable for spreading solid material and liquids which have been separated or mixed together. The system can be used as a wetting device for the dry material by wetting the salt with a liquid solution which accelerates the ice melting process or used for spreading the liquid solution. The liquid solution is spread either by the spreading disc used for the dry salt or by a nozzle system (1) (optional) consisting of two bars, each one with 12 nozzles, which provide a spreading width of up to 34.44 ft (with pressure at 4 bar). In addition to the side tanks (2) for the liquid solution, one or two front tanks can be installed between the cab to increase capacity.

	HP340	HP350	HP360	HP370	
Hopper capacity	5.2	6.5	7.8	9.1	yd ³
Capacity of solution tanks	600	600	600	600	gal
Min/max spreading width	6.5 + 39.3	6.5 + 39.3	6.5 + 39.3	6.5 + 39.3	ft
Spreading dosage salt	0 + 497	0 + 497	0 + 497	0 + 497	lb/lane/mile
Spreading dosage gravel	0 + 4348.7	0 + 4348.7	0 + 4348.7	0 + 4348.7	lb/lane/mile
Load length	11.8	11.8	11.8	11.8	ft

	HP450	HP460	HP470	HP490	HP4110	
Hopper capacity	6.5	7.8	9.8	11.8	14.4	yd ³
Capacity of solution tanks	686.8 / 729.5	686.8 / 729.5	686.8 / 729.5	686.8 / 729.5	686.8 / 729.5	gal
Min/max spreading width	6.5 + 39.3	6.5 + 39.3	6.5 + 39.3	6.5 + 39.3	6.5 + 39.3	ft
Spreading dosage salt	0 + 497	0 + 497	0 + 497	0 + 497	0 + 497	lb/lane/mile
Spreading dosage gravel	0 + 4348.7	0 + 4348.7	0 + 4348.7	0 + 4348.7	0 + 4348.7	lb/lane/mile
Load length	14.4	14.4	14.4	14.4	14.4	ft



Chain

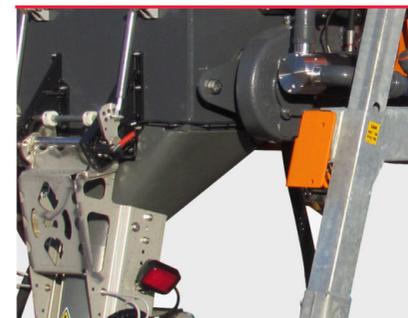
The system consists of a wide metal belt made of steel with high strength cross bars. The metal belt is driven by pinions which maintain constant traction and correct timing without sliding.

Side tanks

The side tanks are made of recyclable, sturdy, light-weight rotomoulded polyethylene with a sight gauge and breather cap. It can be used together with the snow-plough MBS system.

Demount systems

The spreader can be demounted using a rapid demount system and telescopic swivel feet or demount systems with a crank or a demountable chute with a protective tank.



Polyethylene chute

Made of HD polyethylene with a circular cross-section, cast moulded to allow the salt to flow at low temperatures and corrosion-free.



Asymmetry (optional)

On the lifting cylinder in compliance with safety standards (CE mark). Also available on the rotation cylinder on request.



Ecosat control

Highly flexible latest generation microprocessor control systems.



Auxiliary engine (optional)

Driven by a 2-cylinder liquid-cooled diesel engine.



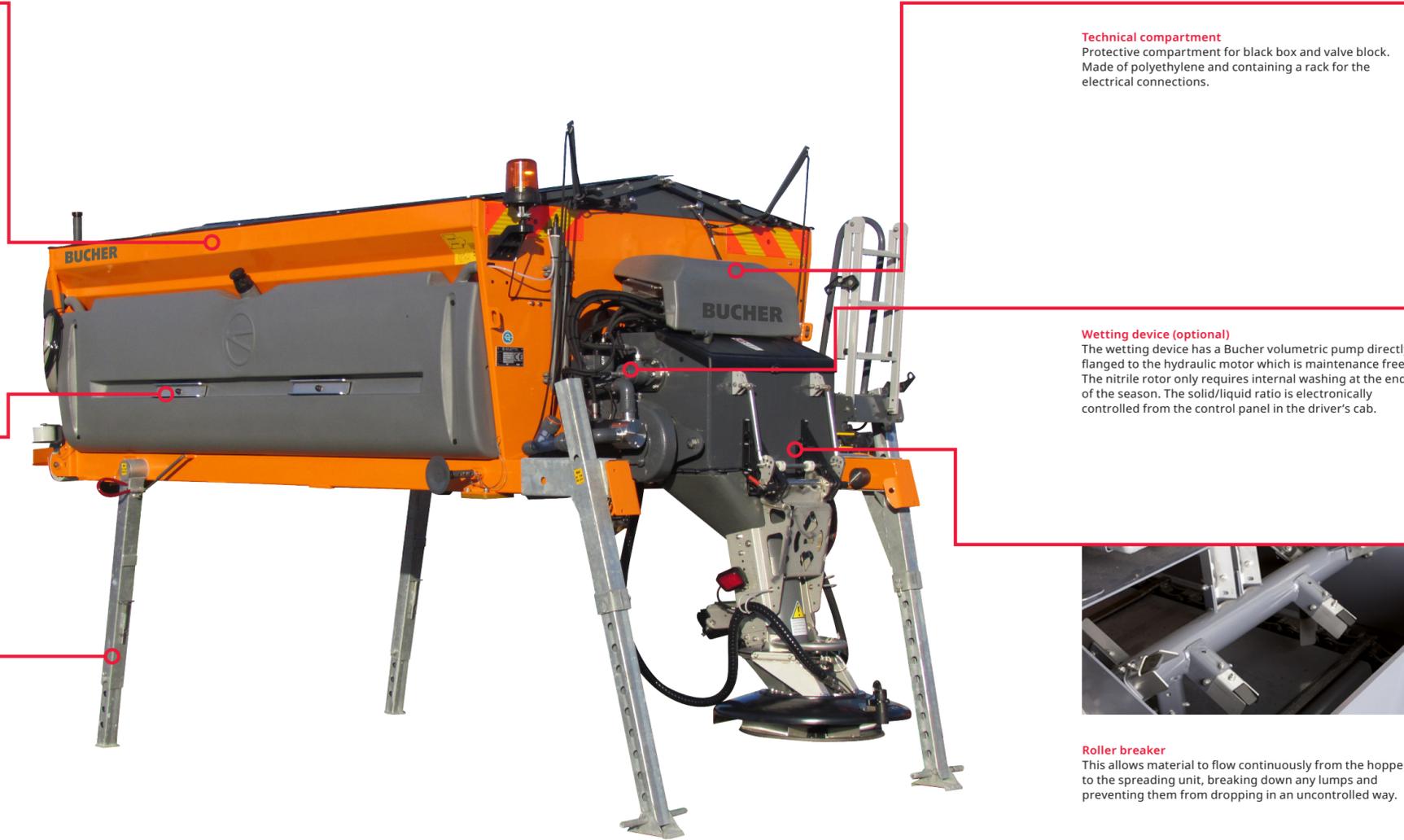
Hydraulic system

Driven by the vehicle's hydraulic system and compliant with the EN15431 European standard.



Protective grid

3 x 3 in mesh galvanized steel protective grid.



Technical compartment

Protective compartment for black box and valve block. Made of polyethylene and containing a rack for the electrical connections.

Wetting device (optional)

The wetting device has a Bucher volumetric pump directly flanged to the hydraulic motor which is maintenance free. The nitrile rotor only requires internal washing at the end of the season. The solid/liquid ratio is electronically controlled from the control panel in the driver's cab.



Roller breaker

This allows material to flow continuously from the hopper to the spreading unit, breaking down any lumps and preventing them from dropping in an uncontrolled way.