



# 8 Series

## The new upper class



MADE IN  
GERMANY

## **Home**

The best sweepers in the world are made where others go on vacation - right on the Saarschleife



# By the pros for the pros.

## **Experience**

As a service provider in street cleaning since 1974, we ensure clean streets with innovative solutions. We develop our sweepers on the basis of our experience as a service provider and thus ensure the highest quality and practical relevance.

## **Owner-managed company**

With a lot of passion for the product and in customer contact, we are focused on long-term customer relationships and their success. We stand for the typical german engineering art, combined with high manufacturing quality.

## **Instruction and training by professionals**

When the machine is picked up, basic training or special training is provided, if required, in addition to basic instruction in the functions of the machine. These are carried out by our drivers with many years of practical experience and are free of charge for you.

## **Together into the future**

Our customer relationships are characterized by constant exchanges about current business situations and opportunities to meet market requirements over the course of time, as well as opening up new fields of application for our machines. We are very interested in this exchange both before and after a purchase from us.





# The new upper class

## **Completely new**

The first completely new development of a sweeper gave us the opportunity to create a completely new level of quality and functionality with our own experience as a service provider, manufacturer, but also through the exchange with our customers. All construction methods and principles were checked and discussed in order to be able to finally build the best high-performance sweeper.

## **Development as full equipment**

Only a completely new development based on a high level of equipment gives the opportunity to properly consider all components in terms of performance, position and space requirements. The result is impressive and provides a completely new dimension in terms of power density.

## **Uncompromising quality**

For us, the focus is on quality to ensure profitability for the customer over the life of the machine.



## Incredible performance in compact dimensions from 3.6 m wheelbase!

High performance, large volumes and lots of equipment usually lead to larger vehicles, which, however, are often too large and not manoeuvrable enough in practical applications. For this reason, when developing this machine, great importance was attached to a compact design. The result is the most compact machine in its class by far!

### 8,2 m<sup>3</sup> Hopper

Entirely made of stainless steel 1.4301 (V2A)

### Fan

Space-saving and efficient placement in the hopper roof



### Rear suction with high-pressure wash

Built under the Hopper to save space and stay protected, with underride protection as an extended dirt chute.

### Straight suction path

Without curves, with a short hose, ensures improved suction power and resistance to clogging.

### Towed Sweeping Gear

Lightweight construction, optionally 300mm side sliding.

### **3.600 or 4.500 L Watertank**

Positioned in the hopper floor and in front of the dirt hopper for optimal weight distribution and space

### **Storage compartments**

Two large storage compartments for storing accessories and tools.



### **300 or 400 L Integrated diesel tank**

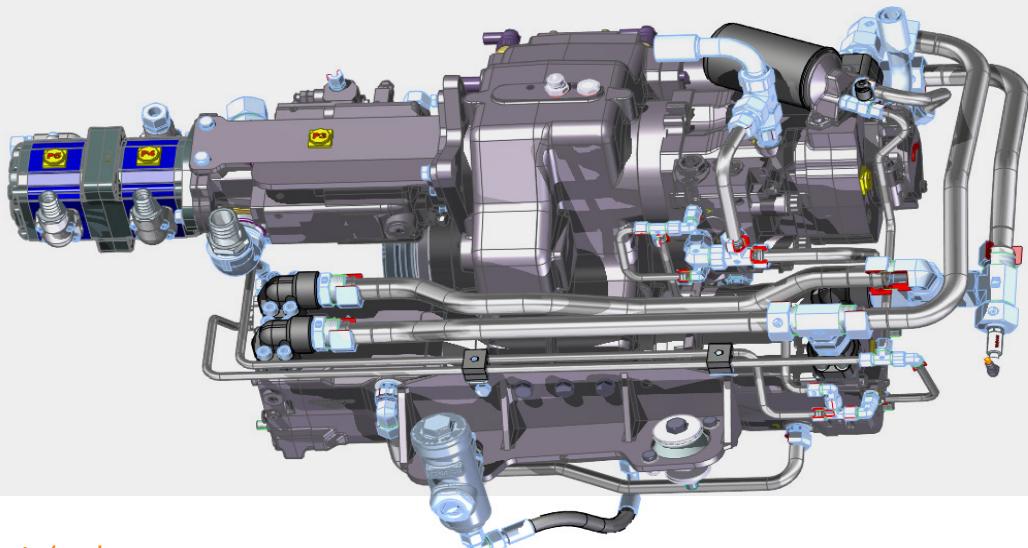
In combination with the larger water tank, the diesel tank is also increased from 300 L to 400 L.

### **Offset exhaust**

Depending on the chassis, the exhaust can be moved upwards. This creates space for additional sweeping units despite the short wheelbase.

### **Telescopic additional broom**

Can be used to increase the sweeping width, clean several contours or as a weed broom.



## Power at it's best

### **Powerful**

The hydrostatic drive can be steplessly controlled using the accelerator pedal or cruise control, optionally with speed control. The performance is far above the market standards and ensures very good climbing ability even with a heavy load.

### **Reliable**

The built-in components are generously dimensioned and the hydraulic connections are mainly designed as pipes in order to guarantee the best reliability and cooling.

### **Without Axillary Engine**

The power supply of the superstructure and the traction drive are guaranteed without the need for a superstructure motor. In this way, technical sources of interference, such as additional exhaust gas aftertreatment, are eliminated and the space requirement and body weight are reduced.

### **Economically**

The Walter control unit ensures optimum speed control of the chassis engine at all times in order to ensure both optimum performance availability and the minimization of emissions and fuel consumption.

### **Advantages**

- Extremely powerful
- Robust
- Economically
- Infinitely variable speed control from approx. 0.5 km/h (depending on the chassis)
- Cruise control adjustable in 0.2 km/h steps
- Optimum performance for all components



### **Gradeability 31% with ratio V-max 25 km/h**

Depending on the gear ratio configuration, climbing abilities of up to 31% can be achieved at a top speed of 20 km/h. The maximum speed can be significantly increased with reduced climbing ability.

# Impressive quality

## High processing quality for durability

Best workmanship and quality ensure durability. This improves economics in the long run.



## Best materials

The hopper as well as the water tanks and the integrated turbine housing are made entirely of stainless steel 1.4301 (V2A).

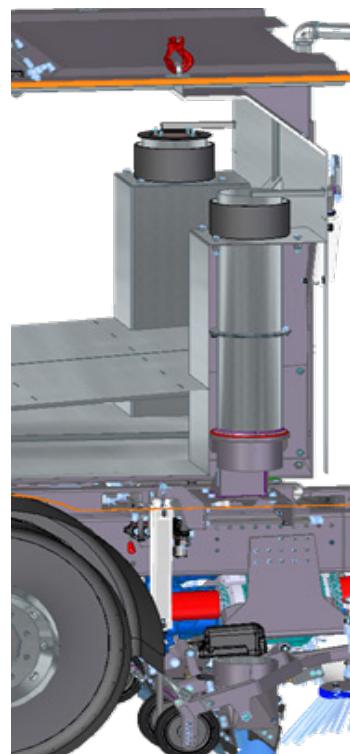
## Best components for high reliability

When selecting the components, reliability is our top priority. Otherwise, the smallest savings in the wrong place often result in high follow-up costs if the machine fails.

# Effective suction performance

## Increased efficiency through optimal placement

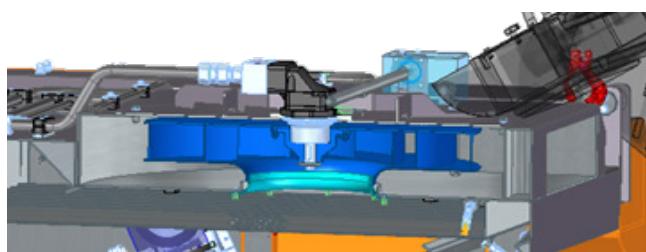
The fan wheel is placed in the hopper above the screen. This leads to a chain of benefits such as fuel savings, small footprint and increased performance.



## Straight suction path and short suction hoses

Every curve and unevenness leads to resistance and turbulence in the air flow, which has a negative effect on suction power and material transport. Long suction hoses are also real power guzzlers due to their internal structure.

The Walter machine is optimized for straight suction paths and short suction hoses, which lowers energy consumption and leads to cost savings and emission reductions.





## Modern, highly functional and intelligent

### **Operating concept from this millennium**

The operating concept also shows the practical relevance and competence in the combination of modern technical means and what can help in use to optimally cope with everyday life.

### **High quality to your fingertips**

The functions that are permanently required during operation are controlled on the right on two high-quality control panels. On the left, a touchscreen offers extensive options for further settings. The control panels are milled from aluminum and then black anodized. The haptic buttons are functional and backlit. A workplace that is fun and leaves the space on the center tunnel free.

## Flexible water control

### **Save water through dosed use**

Depending on the sweepings and weather conditions, the amount of water used to combat dust can be flexibly adjusted. In addition to individually switchable water nozzles, the water pump can be regulated or, optionally, the amount of water for the suction nozzle can be regulated separately.

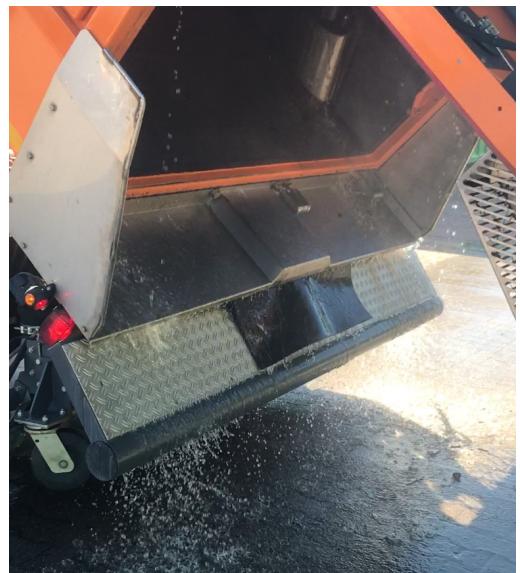


# Driver comfort first

## Self-cleaning systems

After emptying the hopper, cleaning follows - not the nicest part of a sweeper driver's job. The solution can be so simple: high-pressure water nozzles in the hopper provide us with active support. Just as easy: Our turbine, rear door and screen cleaning system. Everything can be started at the push of a button, thus supporting the driver in his daily routine.

The underride protection is designed as an extended dirt chute and protects the rear suction system installed underneath at the rear from dirt when tipping.



## Light - Sight - Safety

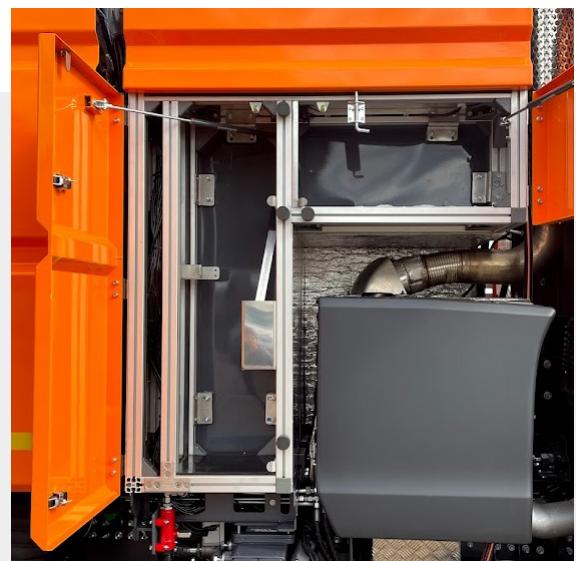
High-quality LED lighting is part of the standard equipment of the machine. LED flashing lights are integrated in the corners of the hopper at the back. Optionally, we offer various additional Beacons, warning devices and work lights.

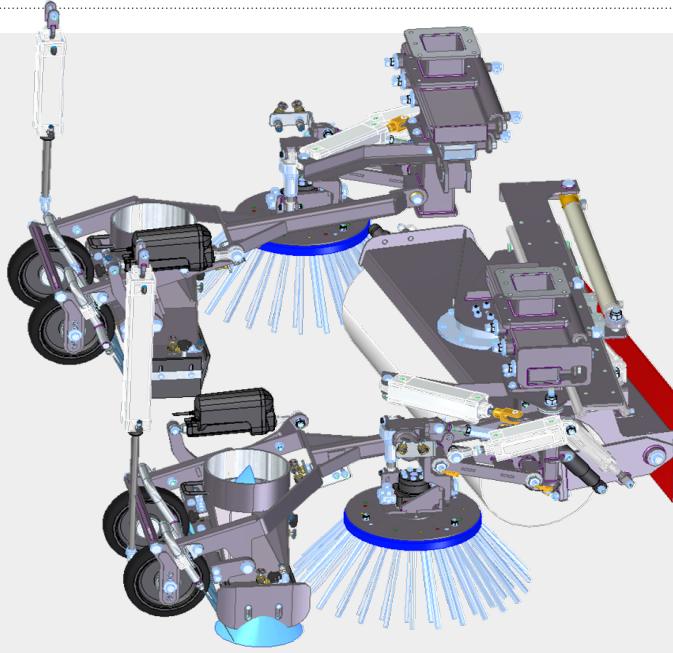
## Extra Eyes

Depending on the equipment of the machine, we offer additional camera monitor systems to improve the driver's overview. In addition to standard lenses, wide-angle or even 360° cameras are also available.

# Storage space for accessories

There is often not enough space to stow away accessories such as tools, hoses or a standpipe, especially on highly equipped machines. Our concept includes two storage compartments with a total volume of at least 200 liters on the right-hand side behind the driver's cab. These are lockable and optionally also illuminated.





## Sweeping units - well thought out down to the last detail

### Towed - lightweight - functional

Our well thought-out design of the sweeping units ensures an optimal sweeping pattern in connection with robustness and user-friendliness.

### Sideshift

The sweeping units and the widesweepbrush with side shift are optionally available. This expands the radius of action and ensures better visibility of the suction shaft.

### Automatic suctionbox height adjustment

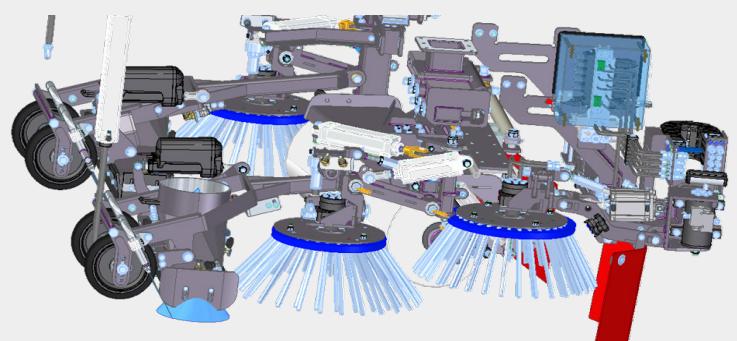
Depending on the operating conditions, the height of the suctionbox can be adjusted from the control panel in order to optimize the intake capacity or driving speed.

### Sweeping on both sides at the same time

The arrangement of the sweeping units and the center pivot point of the widesweepbrush mean that the right and left sweeping units can be used simultaneously with full coverage without any problems. Especially in combination with other additional brushes, such large sweeping widths and thus large area coverage are possible.

## Additional broom behind the front axle

The additional side brush not only extends the radius of action. It can also be used on other contours such as curbs or milled edges. It can also fully exploit its strength as a weed broom. The positioning behind the front axle facilitates operation and visibility, making work much more efficient, especially in curves.



# Front brush systems

## Development from practice

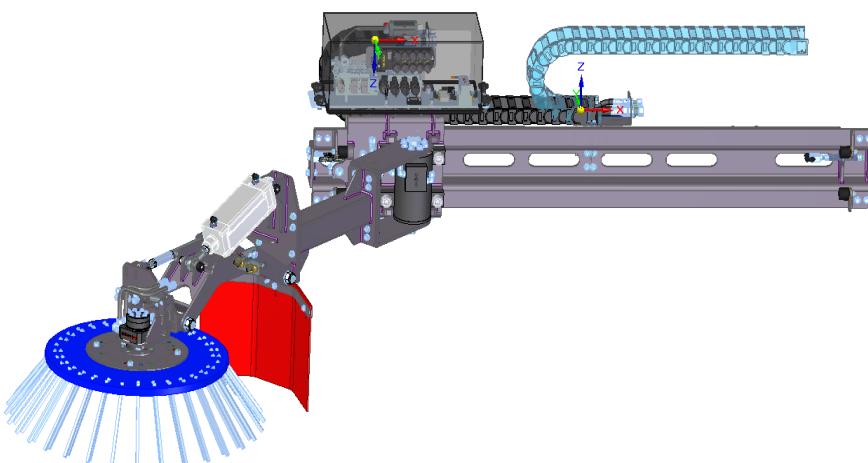
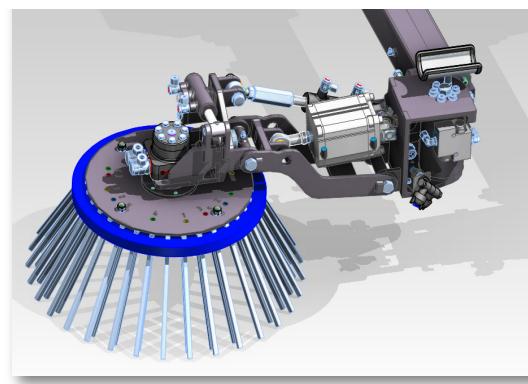
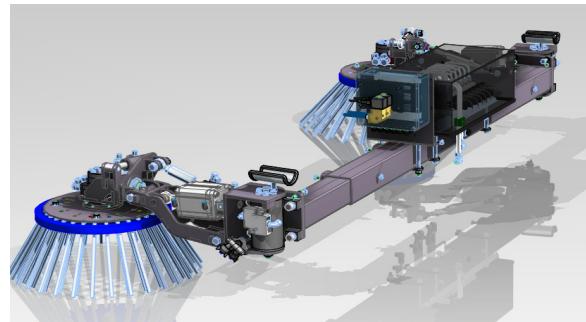
Our weed brooms are optimized for performance and robustness. For example, the swing-out mechanism is implemented using an oil rotary motor, which ensures stability, flexibility and robustness, without any cylinders or bearings that are prone to failure.

## Flat, functional and strong

In order to be able to sweep under crash barriers, for example, the contour of the broom was kept as flat as possible. Nevertheless, the inclination of the brooms can be adjusted hydraulically in two axes. The drive motor and pneumatic cylinder for lifting are designed to be extra strong so that even heavy weed brooms can be used.

## Quick change system

The quick-change system offers full flexibility. For example, you can switch quickly and effortlessly between the front brush for removing weeds and the roller brush.



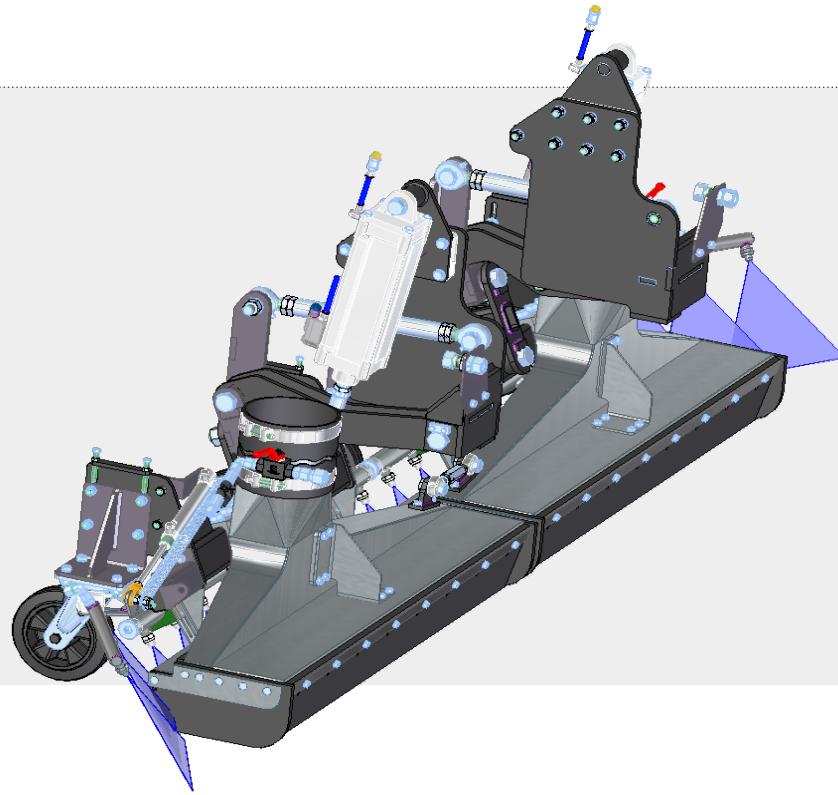
## Different variations

Depending on your needs, we offer different front brushes - in the pulled version on one or both sides or with different telescopic lengths and angle adjustments. Our pushed variant is fully movable and can be equipped with different broom sizes.

# Roller brush for sweeping-over

A front roller brush can be used, for example, on large milling construction sites to sweep the debris onto the next milling track without picking it up. Optionally, the broom can be equipped with a scraper or high-pressure wash bar to remove tough dirt on the construction site.





## Rear Suction with tricks

### Underbuilt

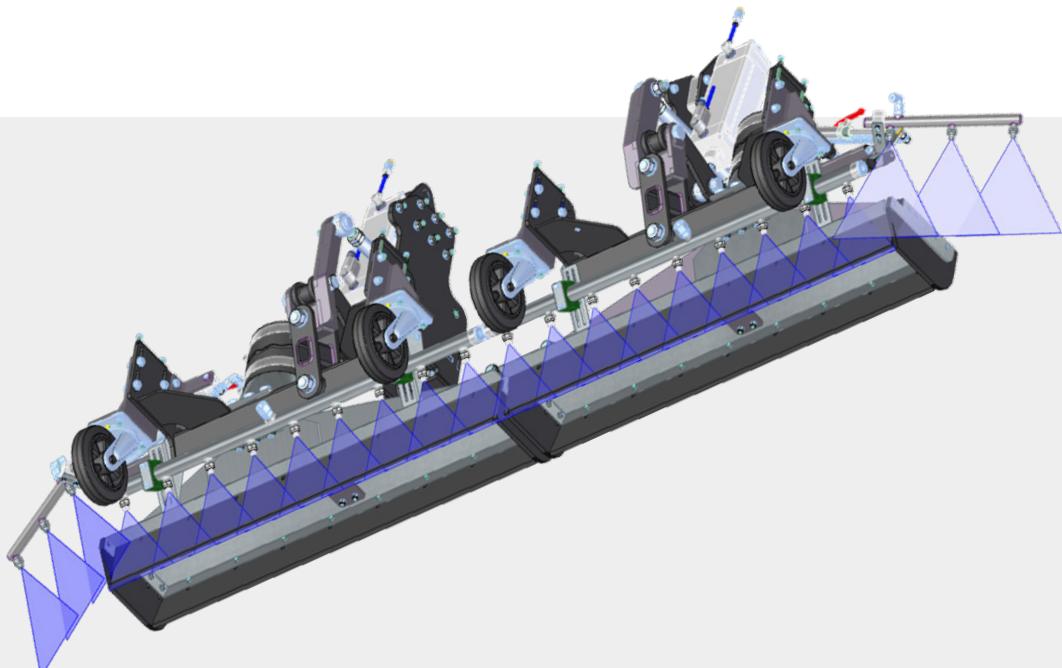
Our rear suction units are built under at the rear. The result is a short overhang. This ensures a compact vehicle and minimal deflection of the suction in curves. The underride protection is designed as an extended dirt chute to protect the suction from dirt during the tipping process.

### Side spray bar

The side spray bars can be folded in and out pneumatically and are switched on and off automatically with pneumatic water valves. This increases the working width and edges can be effectively cleaned as well.

### Optimized for Street Washing

- Front-mounted fog channel
- aerodynamic spray reduction
- guided in the parallelogram
- easy height adjustment
- Side Spray Bars
- Predetermined breaking points for easy repair



# HP Water Pumps by Uraca

## German quality

Uraca high pressure water pumps ensure proven quality and performance. A wide range of types and configurations ensure the right pump is used for your needs.

## Fully adjustable

Thanks to the infinitely variable pumps, the driver can adjust the output as required and monitor it on the display.

### Pumps

Type	Pressure (bar)	Volume (L/min)	kW
P3-10	125	163	37
P3-10	160	127	36
P3-10	200	104	37
P3-15	200	168	56
P3-15	250	133	55
P3-19	300	148	83



**Oil spill removal**  
We offer various concepts for removing oil slicks. Depending on your needs, we combine pump, nozzle and pre-spray technology for you to ensure optimal performance for your application. Of course, with acceptance by an expert in accordance with leaflet DWA-M715.

# Centrifugal pump for suction and filling

## Filling the machine

With a large-volume low-pressure pump (900 L/min), the sweeper can be easily filled with water, e.g. from a tank trailer. If necessary, the low-pressure pump can feed the sweeper with water from a trailer while driving.

## Filling of other machines

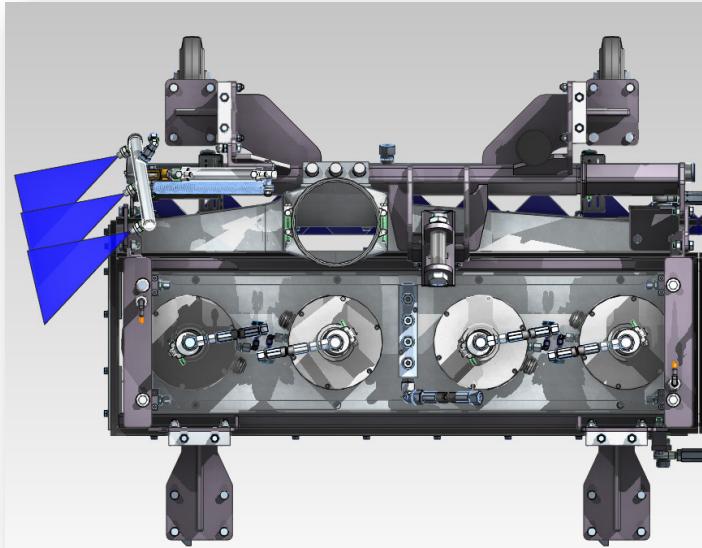
Alternatively, the pump can also fill external machines such as milling machines, rollers, etc. with water from its own tank. This is very popular with our customers, as the sweeper can greatly optimize the entire construction process by reducing the downtime of the cutters.



# Rotorcleaner in perfection

## Optimaler drive

In order to guarantee optimal performance and insensitivity, we have developed our own drive system with ultra-modern, brushless electric motors. One motor each represents the bearing at the same time, so that no belts, gears or the like have to be used, as these often cause failures. The speed can be regulated manually or automatically and ensures minimal centrifugal forces on the water jet without the formation of circles due to insufficient overlap.



## Height regulation

Depending on the application, the rotors can be optimally adapted to the circumstances in order to minimize the length of the water jet and thus achieve the highest possible force on the cleaning surface. The adjustment is made from the vehicle and can be regulated between 1 and 11 cm ground clearance.

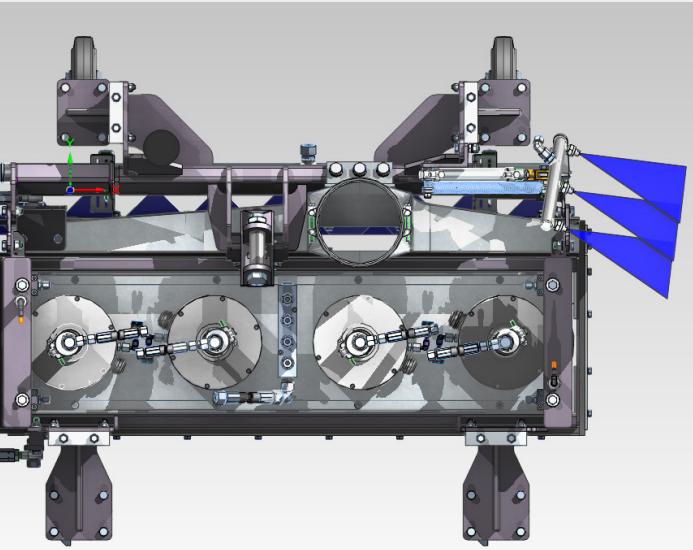


## Combined rotors and flat jet

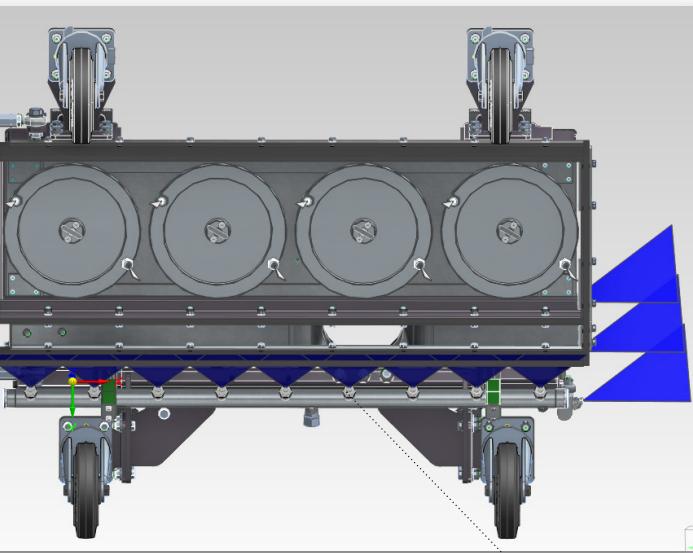
Depending on the application, the driver can switch between using flat jet nozzles or rotors.



Big wheels front  
and back



Hydraulic  
height adjustment



Speed adjustable

Side spray bar  
pneumatically foldable

Spraybar with  
flat jet nozzles

# Technical Data

## Hopper

Size Gross	8,2 m <sup>3</sup>
Size Net	7,5 m <sup>3</sup>
Material	1.4301 (V2A)



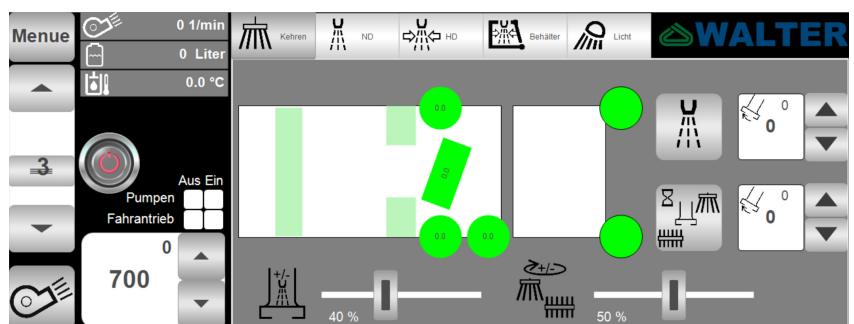
## Water Tanks

Hopper integrated	1.700 l
Front behind cab	1.900 / 2.800 l
Total	3.600 / 4.500 l
Material	1.4301 EN10027-2 (V2A)



## Sweeping gear

Type	towed
Diameter Sidebrush r/l	700 mm
Diameter Widesweepbrush	400 mm
Width Widesweepbrush	1240 mm
Suctionbox r/l width	800 mm
Max Sweeping width	up to 5,5 m



## Additional Brushes

- Additional Sidebrush behind front wheel
- Frontbrush towed, single / dual
- Frontbrush pushed
- Big front Rollerbrush

## High Pressure Water Pumps

Make	Uraca
Types	P3-10, P3-15, P3-19
min Pressure	125 Bar
max Pressure	300 Bar



## Wheelbase

Scania with CG17 / 3.600 l 3.600 mm

Scania with CG17 / 4.500 l 3.900 mm

(More on request)



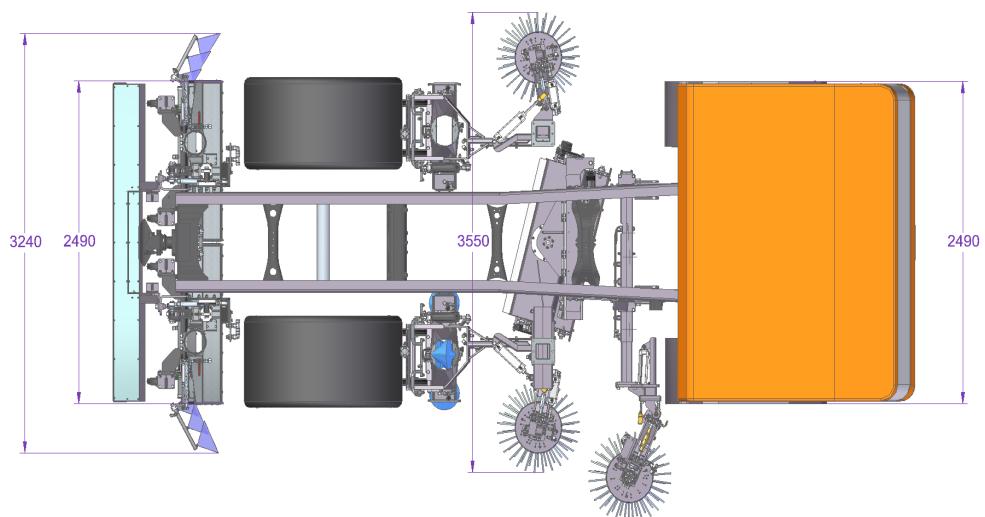
## Fahrantrieb im Arbeitsmodus

Drive	Hydrostatic
Gradeability	31% ; V-max 25 km/h
V-max	45 km/h

(In dependency to rear axle ratio)

## Misc.

Diesel Tank	300 / 400 l
Storage Lockers	120 / 210 + 70 l



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