

# PRODUCT variety SURFACE CLEANING





## PRODUCT variety SURFACE CLEANING



Innovative cleaning technology in sales units. Please note the packaging units for pallets or cartons





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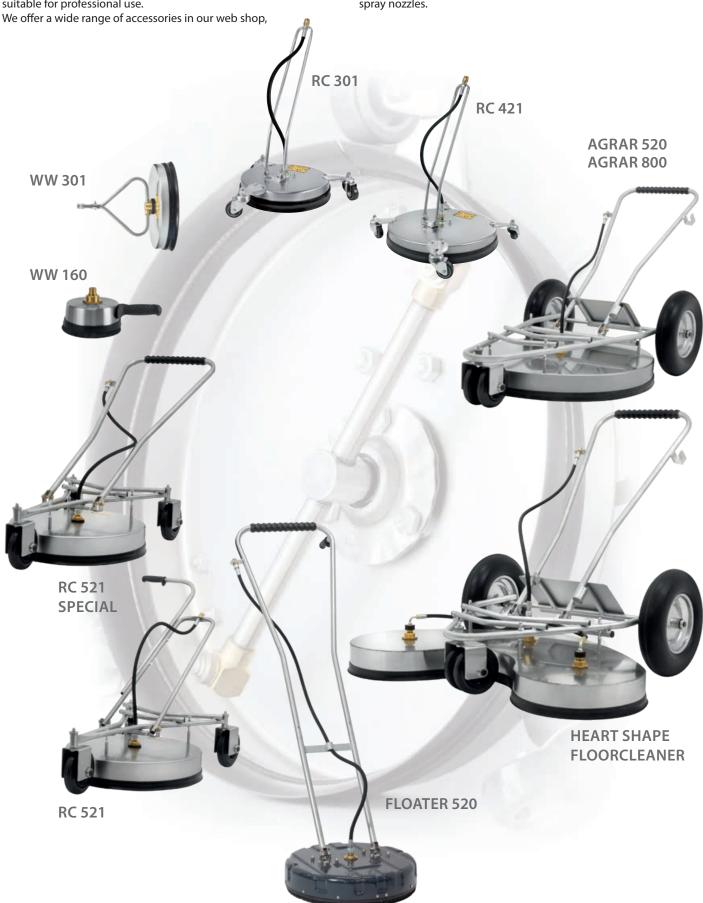
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#### **SURFACE CLEANER - OVERVIEW**



We supply you with innovative stainless steel surface cleaners. With high-quality swivel joints and robust materials, our cleaners are suitable for professional use.

such as nozzle needles for easy removal of blockages, wall brackets for WW 301 wall cleaners and an extensive range of high-pressure spray nozzles.



#### RC 301 / RC 421 FLOOR CLEANER





R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	weight
710 100 300 🚍	36	3 x 50 mm	300 mm	M 22 M	2 x 1/4" F	max. 250 bar	90 °C	3.5 kg
710 100 400 🚍	30	4 x 50 mm	400 mm	M 22 M	2 x 1/4" F	max. 250 bar	90 °C	6.8 kg

#### RC 521 FLOOR CLEANER





R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	weight
710 100 500 🚍	6	3 (160 mm)	500 mm	M 22 M	2 x 1/4" F	max. 275 bar	90 °C	16.0 kg

## RC 521 SPECIAL EDITION FLOOR CLEANER





R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	weight
710 100 501 🚍	6	3 (160 mm)	500 mm	M 22 M	2 x 1/4" F	max. 275 bar	90 °C	16.0 kg

#### **FLOATER 520** FLOOR CLEANER





R+M Nr.	units / pallet	working width	inlet	outlet	pressure	flow	temperature	weight
710 520 151 🚍	6	500 mm	1/4" F	2 x 1/4" F	max. 250 bar	max. 22 l/min	90 °C	9.0 kg

#### AGRAR 520 / 800 FLOOR CLEANER

turbodevil



R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	weight
710 100 556 🚍	4	2 x 400 + 1 x 160 mm	500 mm	1/4" F	2 x 1/4" F	max. 350 bar	90 °C	26,0 kg
710 100 806 🚐	3	2 x 400 + 1 x 160 mm	800 mm	1/4" F	4 x 1/4" F	max. 350 bar	90 °C	35,5 kg

#### **HEART SHAPE** FLOOR CLEANER





R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	weight
710 100 122 🚐	2	2 x 400 + 1 x 160 mm	1,200 mm	1/4" F	6 x 1/4" F	max. 350 bar	90 °C	36,0 kg

#### **HEART SHAPE** FLOOR CLEANER

turbodevil



#### **TD 420** WITH SUCTION FLOOR CLEANER





R+M Nr.	units / pallet	castors ø	working width	inlet	outlet	pressure	temperature	flow	weight
710 100 450	6	4 (75 mm)	400 mm	1/4" M	2 x 1/4" F	max. 350 bar	90 °C	1.800 l/h	13.0 ka

#### **TD 420** WITH SUCTION FLOOR CLEANER

turbodevil





high-performance swivel joint: for the highest demands with a long service life. Triple ball bearings with extremely highquality carbide sealing elements

material mix: the use of brushes and rubber lips guarantee clean suction and allow the cleaner to work smoothly. Heat-resistant and protects against splashes and flying particles



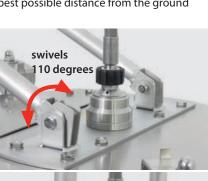
male thread: for 1/4" connection



sophisticated solution: the integrated holding bracket for the vacuum hose ensures easy and safe use without the risk of tripping



easy height adjustment: guarantees the best possible distance from the ground





integrated bracket support: ensures that the bracket remains in an upright position even during breaks in work and protects attached parts such as the gun and vacuum hose



**low vibration:** balanced rotor arm in robust quality

## VENTURI SUCTION RETROFIT KIT TD 420 turbodevil



#### The Venturi retrofit kit for turbodevil surface cleaners with suction

- thanks to the Venturi principle, this surface cleaner does not require an additional vacuum cleaner. The dirty water can be drained away directly through the connected suction hose.
- includes adapter for surface cleaner with suction with a suction connection ID 40
- supplied with reducing elbows of 45° and 90°



easy adaptation: we supply the Venturi extraction as a retrofit kit. An additional vacuum cleaner is no longer required to properly dispose of the extracted medium via a suction hose, to drain it in a controlled manner or to collect it.

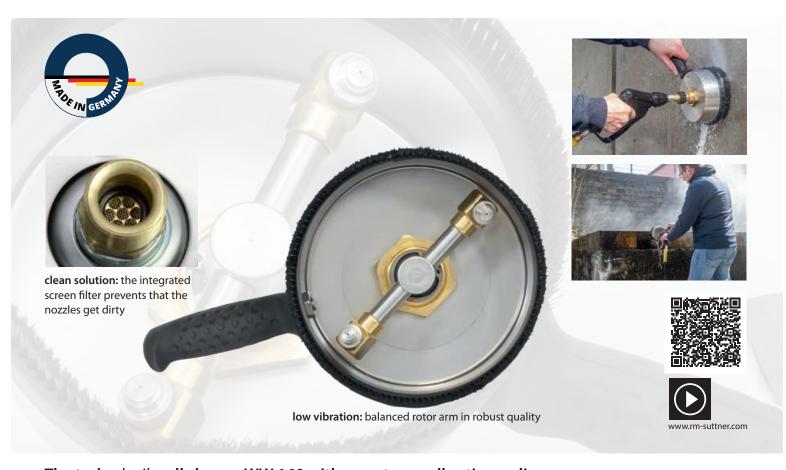


Stainless steel design. Includes reducing angle pieces (45° / 90°) and adapter for ID 40. Easy installation for turbodevil surface cleaner with suction

R+M Nr.	units/ carton	thread HP-hose	temperature	weight
200 036 600 🚍	10	M22x1.5 : 1/4" M	50 °C	2.0 kg

## WW 160 WALL CLEANER







R+M Nr.	units / carton	inlet	outlet	pressure	temperature	weight
710 100 160 🚍	13	M 22 M	2 x 1/4" F	max. 350 bar	90 °C	1.3 kg



#### WW 301 WALL CLEANER

turbodevil



R+M Nr.	units / pallet	type	working width ø	inlet	outlet	pressure	temperature	weight
521 032 258 🚍	48	rubber lip	300 mm	1/4" F	2 x 1/4" F	max. 200 bar	90 °C	2.7 kg
521 032 257 🚍	48	brush strips	300 mm	1/4" F	2 x 1/4" F	max. 200 bar	90 ℃	2.7 kg

#### **TELESCOPIC** HIGH PRESSURE LANCES



New professional telescopic lances with integrated high-pressure gun ST-602 and internal high-pressure hose for easy cleaning of hard-to-reach areas, e.g. ceilings, facades

- infinitely extendable, depending on the version from 2.45 to 7.8 m
- optionally available: strap for optimal hold
- 530 mm long soft handle for a good grip
- connection 1/4" M with stainless steel extension 150 mm, nozzle guard ST-10 1/4" F NPT or nozzle guard without tip nozzle, both with angled stainless steel extension 250 mm



Firm grip: A strap for even more safety is available as an option (R+M no. 525 922).

#### **Technical** specifications

Max. pressure	275 bar
Max. temperature	100 °C
Length of grip element	530 mm
Outlet*	Nozzle protector / ST-10 / 1/4" M
Inlet	3/8" F / M22 M
Telescopic lance	Aluminum / fiberglass / stainless steel extension
	with a later to the

\*without nozzle tip, HP nozzle



**soft grip:** non-slip foam material surrounds the telescoping tube for a comfortable grip and insulation.

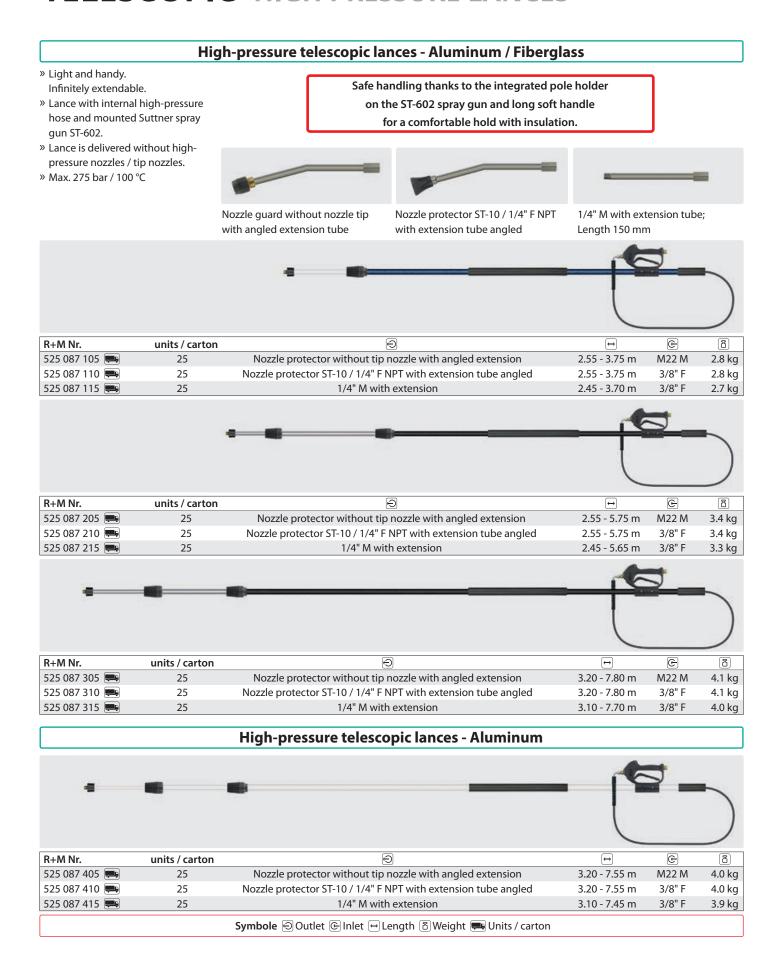


without scaffolding: easy cleaning at great heights with the high-pressure telescopic spray lance.



easy to pull out: lockable, ribbed elements make it easier to turn, even when wet.

#### **TELESCOPIC** HIGH PRESSURE LANCES



#### **TROLLEY** FOR MOUNTING HOSE REELS



#### Stainless steel hose reel trolley, suitable for reels ST-71, STKI 20 and 40

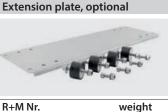
- trolley for mounting hose reels
- material: made out of stainless steel
- trolley with two gray, non-marking wheels
- manoeuvrable and easy to handle such as a sack truck
- ergonomic plastic handle strip which is easily unscrewable for the food industry
- one lance holder on each side, plug-in diameter: 37 mm
- H x W x D: 1,175 x 700 x 650 mm
- weight: 9.0 kg

#### fast conversion: with the optionally available extension plate, the trolley easily holds the following larger hose reels: 739 65; 739 651 9 and 739 602 0





Neat and



extension plate made of stainless steel: easy installation, including fastening material, 4 vibration dampers made of stainless steel and elastic natural rubber 55°. Rubber buffer type A. M10 x 28. Spring stiffness:

3.5 kg

handle bar: the handle bar can be easily turned down for an easy transport or space-saving

R+M Nr.	units / carton	type	weight
712 000 070 🚐	6	hose reel trolley stainless steel	9.0 kg

#### **TROLLEY** FOR MOUNTING HOSE REELS EXTRA



## Stainless steel hose reel trolley, suitable for the reels ST-71, STKI 20 and 40

- trolley for mounting hose reels
- material: made out of stainless steel
- trolley with two big wheels. Ø 260 mm
- manoeuvrable and easy to handle such as a sack truck
- ergonomic plastic handle strip which is easily unscrewable for the food industry
- one lance holder on each side, plug-in diameter: 39 mm
- H x W x D: 1,210 x 715 x 560 mm



extra wide tyres: the large wheels are equipped with highly structured tread and ensure a good grip, even on split floors.



R+M Nr.	units / carton	type	weight
712 000 078 🚐	6	Hose reel trolley, stainless steel with extra wide tyres	9.5 kg

#### TROLLEY MULTIFUNCTIONAL



R+M Nr.	units / palett	type	weight
710 000 163 389 🚍	6	multifunctional trolley for foam / disinfection units	12.0 kg

#### WEEDDEVIL LANCE WITH CONE



#### Important things to know

about thermal weed control

Mode of action: Hot water does not only remove the plant's surface but also the root. The plant proteins are destroyed at a temperature of 42 °C.

**Application:** 3 to 4 applications are recommended during the first year. Visible results are noticed only after a few days.

Recommendation: The application is most efficient if it is effected in the afternoon as the plant is more vulnerable after the absorption of water. Please start the applications in the spring as the young and still small parts of the plants are more sensitive in this season. Please move the weeddevil slowly over the areas to be treated and repeat the process after a few days in case of older plants.

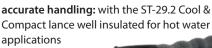


For sustainable weed control and ideal for individual treatment

 for pumps up to max. 25 I / min.: If necessary, the flow restrictor 200 097 750 has to be used



- working width 150 mm
- for hot water use of up to 120 °C
- for the application you need a hot-water device that works with a water temperature constantly of at least 90 °C
- extremely robust cone and lightweight with 0.52 kg
- working temperature: 90 °C 99 °C





**robust cone:** made out of stainless steel and brass









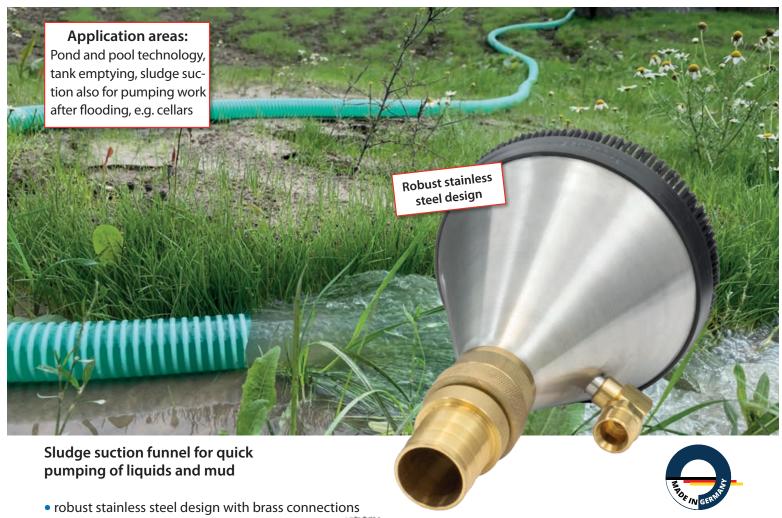
R+M Nr.	Œ	1	Ø	M
500 097 100	1/4" F	150	120	stainless steel / brass
500 097 101	M18x1.5 F	150	120	stainless steel / brass
500 097 102	TR20x6 F	150	120	stainless steel / brass



R+M Nr.	œ.	$\leftrightarrow$	Ø	M
500 097 103	1/4" M	1.150	120	stainless steel / brass

R+M Nr.	units / carton	type	inlet	weight
500 097 103 🚍	14	weeddevil lance with cone	1/4" M	12.0 kg
500 097 100 🚍	14	cone head	1/4" F	0.5 kg
500 097 101 🚍	14	cone head	M18x1,5 F	0.5 kg
500 097 102 🚍	14	cone head	TR20x6 F	0.5 kg

#### MUD SUCTION FUNNEL



- includes jet nozzle
- simple installation using union nut for M22x1.5 F
- high suction power
- including brush ring for flawless suction without suction effect on the ground
- for the use of 38 mm spiral hoses
- suction height 4 metres
- min. 100 bar, max. 275 bar
- temperature: max. 90 °C



**powerful sludge vacuum:** sucks up stones up to 20 mm, sludge, dirt, sand, algae and sediments

#### Performance chart

high p	ressure cleaner	capacity of mud sucker			
P	<b>—</b>	capacity	capacity		
100 bar	10 l/min	ca. 170 l/min	ca. 10,000 l/h		
150 bar	12 l/min	ca. 220 l/min	ca. 13,000 l/h		
200 bar	15 l/min	ca. 300 l/min	ca. 18,000 l/h		

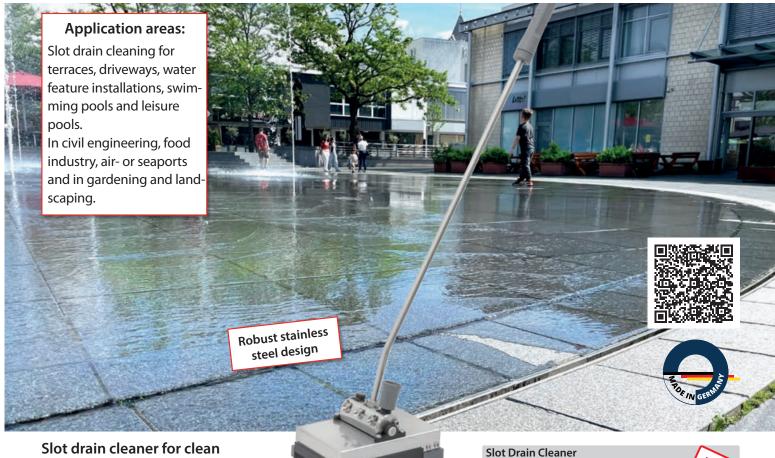


Stainless steel/brass. Max. 90 °C. Min. 100 bar, max. 275 bar. Spot jet nozzle 1/4" IG. H x W = 240 x 150 mm. 1 kg

R+M Nr.	inlet	hose connection
710 000 036 460	M22x1,5 M	38 mm

R+M Nr.	units / palett	working width ø	inlet	outlet	pressure	temperature	weight
710 000 036 460 🚐	100	150 mm	M22x1,5 M	1/4" F	100 - 275 bar	90 °C	1 kg

#### **SLOT DRAIN CLEANER**



## linear drainage

- robust stainless steel design.
- one 1/4" nozzle NPT is required.
- centered guide roller for precise, central use.
- can be used centered or sideways, for cleaning directly on stairs or walls
- a nozzle protector for the adapter is included in the scope of delivery
- by using the adapter, you can quickly switch to high-pressure cleaning with a lance. The nozzle protector is quickly installed and always ready to hand
- depending on your needs, the angle of the cleaning nozzle can be changed on the axis in order to reach the dirt even at the end of the slot



spray angle of the nozzle: We recommend 65° nozzles for the best possible cleaning results.
Spring holder with central guide roller for safe guidance in the slot



Stainless steel/plastic. Incl. nozzle adapter for 1/4" NPT nozzle and nozzle protector.

Max. 90 °C / 20 l/min.

 $H \times W \times L = 150 \times 150 \times 220 \text{ mm. } 2.4 \text{ kg}$ 

R+M Nr.	inlet	outlet	pressure	
710 100 700	1/4" F	1/4" F NPT	max. 200 bar	



included in delivery: Nozzle adapter for a 1/4" NPT nozzle and nozzle protector

R+M Nr.	units / carton	working width ø	inlet	outlet	pressure	temperature	weight
710 100 700	16	300 mm	1/4" F	1/4" F NPT	max. 200 bar	90 °C	2.4 kg

#### **ROTATING PV AND SOLAR CLEANER**



## The rotating PV and solar cleaner, also suitable for connection to telescopic lances

- effective cleaning of solar modules thanks to the triple rotor arm with aqua drive for three rotating special nylon brushes
- brush rotor arm nozzle holder: 3 x 1/4" F
- 3 brushes with diameter: 160 mm, bristle length: 40 mm.
   Brush body with stainless steel bearings
- height adjustable 15 mm
- robust design thanks to the stabilization ring and stainless steel fixings
- 520 mm wide hood made of lightweight but indestructible ABS plastic. Weight 7.4 kg
- top-class swivel joint for professional industrial use, suitable for applications up to around 500 operating hours per year.
   Triple bearings, carbide seals
- all water-conducting components are made of stainless steel
- inlet 1/4" F on a 90° pivoting bracket, which is cushioned by a rubber stop on the hood
- a splash guard protects against flying dirt and ensures a wellmoistened cleaning surface so that the brushes clean properly
- working pressure: 50-70 bar / temperature: 50 °C
- flow >12,5 l/min



rotating brush trio: aqua drive thanks to a triple rotor arm, which is also equipped with a stainless steel fixation



#### **ROTATING PV AND SOLAR CLEANER**

In most cases, photovoltaic module surfaces cannot simply be cleaned with water and a sponge and it would simply be too dangerous, since the modules are often mounted on the roof at an angle of 30 to 45°. For this purpose, R+M / Suttner offers a very efficient brush cleaning with aqua drive: three coordinated nylon brushes with a double bristle arrangement on a triple rotor arm enable you to thoroughly clean your solar modules and photovoltaic systems. No matter if industry, trade, agriculture or private buildings. The possible uses are unlimited, especially in locations that are exposed to heavy pollution. The rotating PV and solar cleaner requires 50-70 bar working pressure.

- Safe and efficient cleaning of solar and photovoltaic systems, even when heavily contaminated by, for example, Saharan dust.
- Comfortable working in any position thanks to the stable, telescopic lance

Gentle cleaning of solar modules, since the washing brush works in the low-pressure range, damage to the modules is ruled out

- With the help of the telescopic rods, the rotating PV and solar system cleaner can be guided easily and safely from the ground, roof or cherry picker
- The soft-grip handle with integrated ball valve enables the brush cleaning to be operated conveniently

Soiling of the surface means loss of performance and lower feed-in tariffs. The rotating PV and solar cleaner pays for itself after a short period of time.

We also offer you optional mobile water softening units, which prevent limescale residues on the cleaned surfaces. In addition, special phosphates bind the lime components dissolved in the water.



R+M Nr.	units / palett	working width	inlet	outlet	pression	temperature	weight
710 100 900 🚍	12	520 mm	1/4" F	3 x 1/4" F	50 - 70 bar	50 °C	7,4 kg

