

**TECNOTER** Group

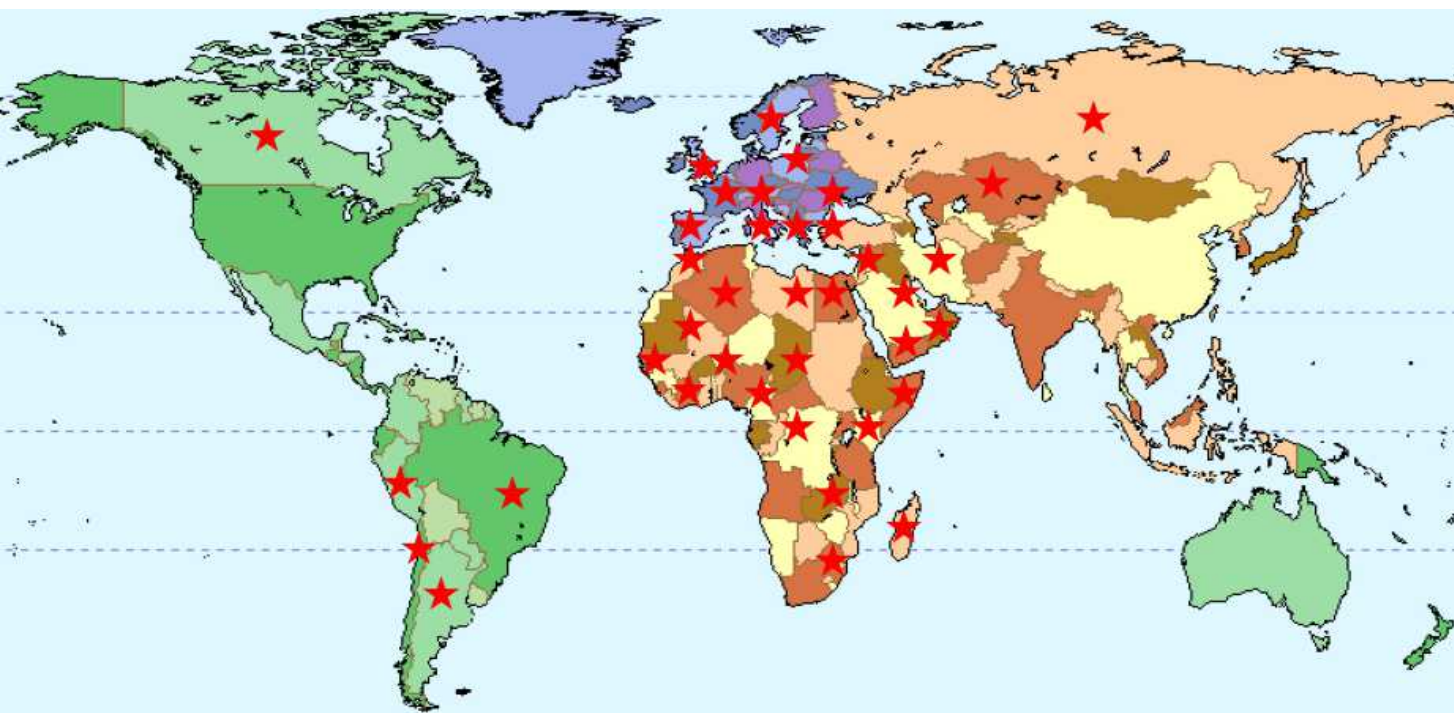


Made in Italy since 1985



# Wheel washers Wash racks





**Tecnoter group** has been building high-tech solutions for over thirty years. Maximising customer satisfaction is the focus of every project and every product.

Each system designed by Tecnoter is the result of in-depth studies of hydraulic and electronic compatibility and efficiency and is specifically designed to perform the assigned function.

Tecnoter is able to produce systems and parts in both small and medium-scale of industrialisation, cooperating with the customer's technical and engineering departments if necessary.

## Tecnoter

Designs and manufactures hydraulic and electronic systems and equipment for the industrial sector.

Main products:

retrofit kits for earth moving machines, OEM parts, remote control systems, hydraulic magnets and special civil and military target equipment.

## RCGreen

Designs and manufactures environmentally friendly systems and equipment.

Main products:

wheel and chassis washing systems, wash racks, industrial sanitisers, vehicle decontamination systems, hydraulically powered current generators, GPUs and air compressors.

## Our customers:

Caterpillar Work Tools (USA)  
 Jcb (I)  
 Komatsu U.E. (I)  
 Volvo CE (I)  
 Indeco (I)  
 Socomec (I)  
 IVECO-Orecchia (I)  
 Bergerat (F, DZ)  
 Zeppelin (D, RUS)  
 Teknox (SLO)  
 Al-Bahar (Q)  
 Mantrac (ET)  
 Turkuaz (KZ)  
 Tractafric (MA)  
 SMT (B)  
 DEM (B)

Zahid tractors (SAU)  
 Techstroy (RUS)  
 Domo (E)  
 Al Jaber (Q)  
 Bonatti (I)  
 Condotte (I)  
 Rindis (B)  
 Gallerie (I)  
 Van Der Vlist (NL)  
 Metroemme (I)  
 Famoveca (YV)  
 Sakr P.S. (RL)  
 JLM (MA)  
 Pumpexpert (PL)  
 Sicim (I)  
 Prosper Hellas (GR)

## RCAutomation

Designs and manufactures industrial automation systems.

Main products:

automatic loaders for CNC machines, automatic unloaders, industrial handling systems, industrial robots and field covers.

## Wheel washers



RC automatic closed-loop wheel washing systems are built according to the most modern dictates of "object-oriented" design.

Thanks to their complete modularity, ease of expansion and particularly robust structures, RC systems can easily adapt to changing site requirements and are able to withstand extremely heavy workloads.

RC wheel washer systems are characterised by closed-loop washing systems in which the reuse rate of the fluid used can reach percentages over 95%.

The use of RC wheel washing systems helps protect the environment and is a safe investment over time.

All systems can be optionally equipped with accessories dedicated to the reduction of specific pollutants such as bacterial or viral loads, asbestos, hydrocarbons, suspended materials, etc.



### Shortcut table

Contamination			
Placement			
Mobile	CLBR series	E / EP series	EP series
Standing	Any series	F / FPL series	Eco FPL series

## Mobile - CLBR series



The CLBR series wheel washing systems are compact units specially designed for rental fleets and mobile applications. They are particularly suitable for city sites where the prevailing need is to treat a modest vehicle flow (up to 20 vehicles per hour) with a low degree of contamination.

The CLBR systems integrate a powerful washing line, an accumulation tank with oil separator and an extremely efficient solids and sludge extraction unit in a single ready-to-use unit. The 2.32 version also comes ready to use and does not require assembly or installation.

CLBR systems can be equipped with specific options that make them capable of solving every need.

**Tecnoter CLBR wheel washers: powerful and ready to use in just a few moments.**

### Technical features

Placement	on surface or in-ground
Vehicles	vans, trucks, industrial machinery
Washing cycle	pass through
Max weight	20 tons per axle
Minimum height	10 cm
Average cycle	20 sec.
Internal width	3,3 mt
Internal length	2 to 4 mt
Washing flow	1.500 l/min
Settling tank	with integrated mud extractor
Activation	automatic



Code	Lane length meters	Lane width meters	Washing flow. l / min	Placement	Tank volume m3	Kw	Max load per axle
2.32CLBR	2	3,3	1.500	surface or in-ground	4	5	20 tons
4.32CLBR	4	3,3	1.500	surface or in-ground	6	5	20 tons

**Available options:** Extra settling tank • Polyelectrolyte dosing group with integrated tank • Auxiliary tank for mud storage • Arrangement for Asbestos • Back wash injectors • 360° washing arch • Sandy water filter • Heating system • WEB connection Industry 4.0 • Decontamination group

## Mobile - E / EP series



Tecnoter E series wheel washers are powerful closed-loop mobile systems, consisting of one or more washing lines served by accumulation and clarification units with integrated sludge extractor.

Designed for easy portability and great efficiency even in the most severe applications, Tecnoter E series wheel washers are fully modular and easily implemented with numerous optional extras to make them ideal for any specific requirement.

The superior features of these systems make the E series ideal for high vehicle flow and heavy contamination.

**E / EP series wheel washers: robust, powerful, modular; the ideal partner for heavy-duty applications.**

### Technical features

Placement	on surface (E), hybrid (EP)
Vehicles	vans, trucks, industrial machinery
Washing cycle	pass through
Max weight	starting from 20 tons per axle
Minimum height	10 cm
Average cycle	20 sec.
Internal width	3,3 mt
Internal length	4 to 12 mt
Washing flow	2.500 to 15.000 l/min
Settling tank	with integrated mud extractor
Activation	automatic



Code	Lane length meters	Lane width meters	Washing flow l / min	Placement	Tank volume m3	Kw	Max load per axle
4.32E	4	3,3	2.500 - 5.000	surface or in-ground	22 - 30	13 - 25	20 tons
4.32EP	4	3,3 - 5	2.500 - 5.000	in-ground	20 - 28	13 - 25	30 tons
6.32EP	6	3,3 - 5	2.500 - 5.000	in-ground	20 - 52	18 - 25	30 tons
8.32E	8	3,3	5.000 - 10.000	surface or in-ground	44 - 60	26 - 42	20 tons
8.32EP	8	3,3 - 5	5.000 - 10.000	in-ground	40 - 56	26 - 50	30 tons
12.32EP	12	3,3 - 5	7.500 - 15.000	in-ground	60 - 84	39 - 63	30 tons
Custom	customized	customized	customized	customized	customized	customized	customized

**Available options:** Extra settling tank • Polyelectrolyte dosing group with integrated tank • Auxiliary tank for mud storage • Mud dewatering system • Arrangement for asbestos • Internal width extension • Sidewalls height extension • Back wash injectors • 360° washing arch • Decontamination group • Sandy water filter • Heating system • WEBconnection Industry 4.0

## Standing - ECO series



Tecnoter ECO series wheel washers are fully automatic closed-loop systems designed for stationary underground applications where large vehicle flows with a high degree of contamination require extremely effective and robust solutions.

Capable of working in extreme climatic conditions thanks to optional heating units, Tecnoter ECO series systems are composed of one or more ultra HD washing lines and a series of underground tanks for the physical-chemical treatment and clarification of washing effluents.

Thanks to careful design and 3D modelling and the effectiveness of the effluent treatment systems with contaminant separation, ECO series systems guarantee extremely high recycling rates.

**Tecnoter wheel washers ECO series: the winning solution in the most critical applications**

### Technical features

Placement	inground
Vehicles	vans, trucks, industrial machinery
Washing cycle	pass through
Max weight	starting from 20 tons per axle
Minimum height	10 cm
Average cycle	20 sec.
Internal width	3,3 mt
Internal length	4 to 20 mt
Washing flow	1.500 to 20.000 l/min
Settling tank	with intergrated mud extractor
Activation	automatic



Code	Lane length meters	Lane width meters	Washing flow l / min	Tank position	Tank volume m3	Kw	Max load per axle
ECO200F	4	3,3	2.500 - 5.000	transversal	16 - 24	9 - 16	20 tons
ECO200FPL	4	3,3 - 5	2.500 - 5.000	lateral	variable	9 - 16	30 tons
ECO2006B	6	3,3	2.500 - 5000	transversal	variable	8 - 20	30 tons
ECO2006FPL	6	3,3 - 5	2.500 - 5.000	lateral	variable	9 - 17	30 tons
ECO2008FPL	8	3,3 - 5	5.000 - 10.000	lateral	variable	15 - 30	30 - 60 tons
ECO20012FPL	12	3,3 - 5	7.500 - 22.500	lateral	variable	24 - 72	30-60 tons
Custom	custom	custom	custom	custom	custom	custom	custom

**Available options:** Extra settling tank • Polyelectrolyte dosing group with integrated tank • Auxiliary tank for mud storage • Mud dewatering system • Arrangement for asbestos • Internal width extension • Sidewalls height extension • Back wash injectors • 360° washing arch • Decontamination group • Sandy water filter • Heating system • WEBconnection Industry 4.0

## WRAC - Modular wash racks



Extremely robust, modular and joinable washing and recycling system able to adapt to the most diverse needs.

It consists of a wastewater storage, purification and recycling unit and one or more platforms that can be assembled together until they reach the preferred dimensions. After washing, the wastewater is automatically collected, filtered and accumulated in special tanks where a special pressurisation unit makes it available for reuse in subsequent washes.

Thanks to the completely "closed cycle" process and the extreme simplicity of positioning the bases on the existing pavement, the Tecnoter system is **the ideal choice where water reuse, respect for the environment and attention to costs represent elements of primary importance.**

### Technical features

Suitable for	vehicles, industrial machinery, motors, etc.
Installation	fast and easy without special tools
Placement	on existing flooring
Handling	forklift or transpallet
Module dimensions	1,5 x 3 m or 3 x 6 m
Module height	16 cm
Compositions	from 4,5 up to 240 m <sup>2</sup> and more
Filtration tank	from 200 up to 16.000 litres
Final filtration	50 micron
Mud extractor	integrated on certain versions
Oil absorber	integrated



Use	Modules #	Platform dimensions	Platform weight without side panels	Max load distributed weight	Suggested filtering tank
Engines / work tools	1	1,5 x 3 m	250 Kg	30 t	200 litres
Cars / forklifts	4	3 x 6 m	1000 Kg	120 t	500 litres
Skid steers	4	3 x 6 m	1000 Kg	120 t	16.000 litres
Aerial platforms	10	7,5 x 6 m	2500 Kg	300 t	3.000 litres
Buses / trucks	20	15 x 6 m	5000 Kg	600 t	3.000 litres
Special vehicles	custom	custom	custom	custom	custom

**Available options:** Side panels • Resealable splash guard • Canopy • Auto refill kit • Pressure washer • Lighting • anti-frost heating • Special filtration for asbestos • WEB remote control • Automatic washing cycle

## Wastewater treatment and recycling



Available in a wide range of configurations, Tecnoter chemical-physical treatment systems are the ideal solution for filtering and reusing wastewater both in small indoor washing systems and in large construction applications and self-service car washes.

The simple positioning on the surface eliminates any need for civil works and allows the rapid commissioning of even large systems. Auxiliary modules dedicated to the reduction of specific contaminants, optional post-treatment units and automatic sludge and aggregate extraction systems complete the characteristics of these interesting systems.

**Tecnoter wastewater treatment systems: tailor-made solutions for rental companies, workshops, production plants, car washes, construction sites and quarries.**

### Technical features

Volume	from 20 up to 180.000 litres
Placement	on surface or inground
Feeding	forced or gravitational
Contaminant extraction	automatic or manual
Process flow	primary filtration
	hydrocarbon separation
	sedimentation
	chemical treatment
	oxidation
	mud extraction
	final filtration



Version	Volume m3	Placement	Typical application
VP	0,2 - 6	surface	Tecnoter WRAC washing bases- industry
VR	3,5 - 16	surface	Tecnoter WRAC washing bases - rental companies - workshops
VC	10 - 24	surface	Tecnoter WRAC washing bases - rental companies - workshops - car washing
VXE	16 - 48	surface	Tecnoter WRAC washing bases- wheel washers - construction - quarries
VXI	16 - 48	in-ground	Tecnoter WRAC washing bases- wheel washers - construction - quarries
Custom	16 - 180	custom	ultra heavy and special applications

**Available options:** Special filters • Ox-redox group • Aggregates separator • Sludge dehydrator • Canopy • Autorefill kit • Anti-frost heating • WEB remote control

## Heavy Duty ramps



Heavy Duty steel ramps extremely robust, modular and entirely hot-dip galvanised, produced in different heights and extensions, are available in specific configurations for wheel washers, vehicle loads and heavy applications of all kinds.

Offered with a non-slip flat or profiled transit surface, specifically for environments with a high presence of sludge, Tecnoter Heavy Duty ramps can be equipped with auxiliary anti-freeze heating systems and elevation variators with mechanical or electric drive.

**Tecnoter Heavy Duty ramps: the perfect partner for heavy-duty applications**

### Technical features

Application	wheeled, tracked or special vehicles
Structure	hot dip galvanized carbon steel
Placement	stable flooring
Standard lengths	4, 6, 12 m
Standard width	from 1.2 up to 4.5 m
Standard heights	from 0,3 up to 1,8 m
Max load	from 8 up to 70 ton



Code	Application	Length x width	Height	Max load	Elevation
RB3.4	Wheelwash	4 x 3 m	52 cm	40 t	—
RB3.6	Wheelwash	6 x 3 m	52 cm	50 t	—
RB3.6L	Constructions	6 x 5 m	52 cm	60 t	—
RP12G10	Load	12 x 2m	80 – 150 cm	10 t	mechanic or hydraulic
RP12G15	Load	12 x 2m	80 – 150 cm	15 t	mechanic or hydraulic
Special	custom	custom	custom	custom	—

**Available options:** Side protection • Canopy • Variable angle • Overload sensor • Lighting • Anti-frost heating • WEB remote control

## Decontamination



RC VDS series disinfection systems allow disinfectant and/or decontaminant liquids to be sprayed on all accessible surfaces of vehicles and structures and, using the optional double technology unit GD, with ozone and chemical mist, also sanitise interiors such as driver's cabs and offices. Tecnoter VDS series sanitisers are robust, modular, extremely efficient, easily transportable and ready to use or very simple to install. All VDS systems can be used either as stand-alone systems or in combination with Tecnoter wheel washing systems.

Designed to perform its task in the toughest conditions, the VDS family is highly adaptable to any specific need and can be conveniently used in agriculture, industry and communities.

Specific versions for Civil Defence and Military Target are available on request

**Tecnoter VDS: guaranteed decontamination**

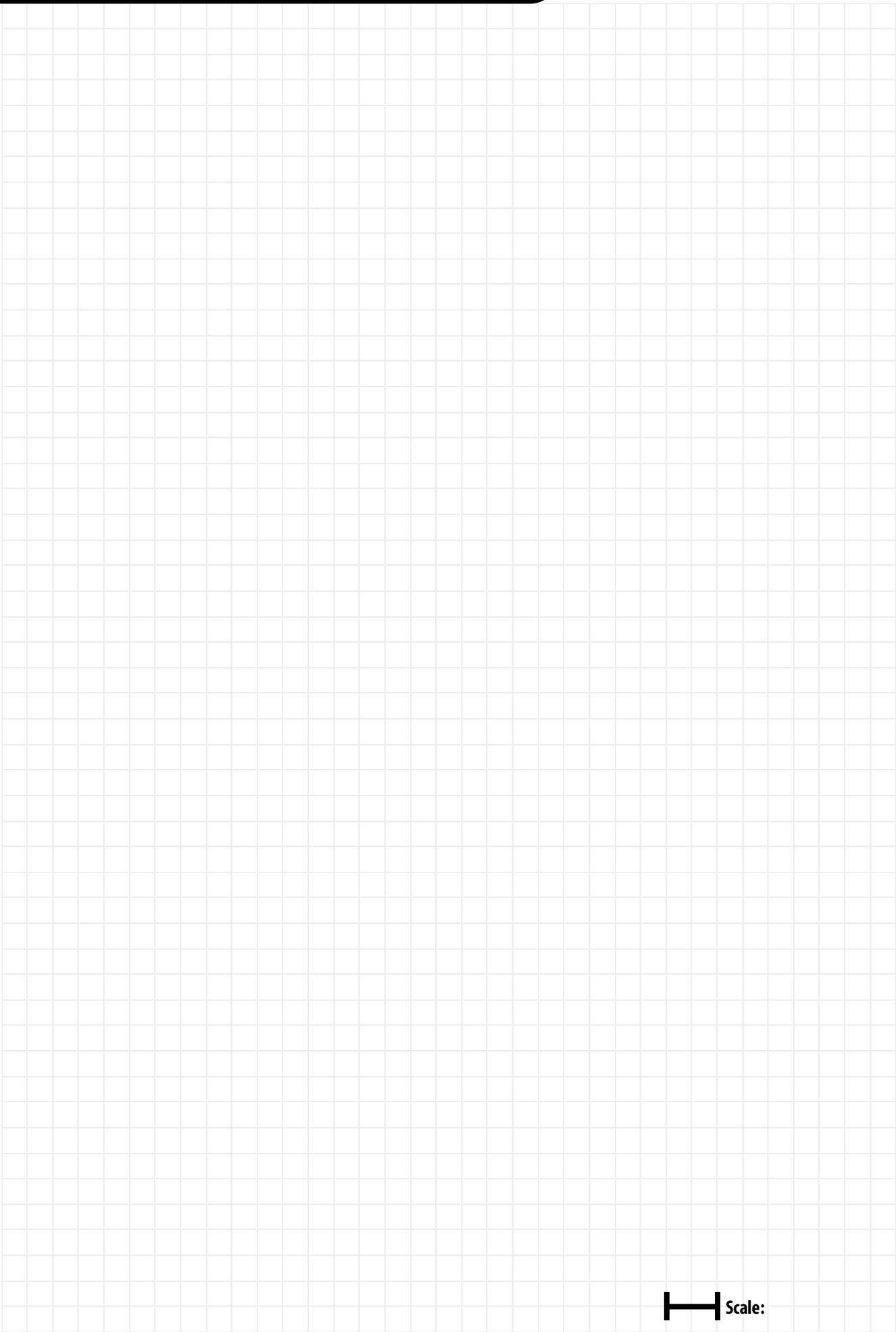
### Technical features

Installation	mobile or on surface
Suitable for	van, trucks, industrial vehicles, offices
Vehicle treatment	low speed pass through
Max allowed load	20 tons per axle
Vehicles clearance	10 cm from ground
Average cycle	20 - 60 sec.
VDS gate width	from 3,3 up to 6 m
VDS gate height	from 5 up to 7 m
Chemical disinfec.	liquid
Self production	ozonated water (module OD3H)
Activation	automatic or manual



Code	Technology	Working area	Use	Power supply	Tank	Application
OD3H	Ozone	-	mix	230 Vac	optional	ozonated water production
GDS200	chemical fog and O3	200 m2	indoor	230Vac	integrated	offices / vehicle cabs
GDU600	chemical fog	600 m2	indoor	230Vac	integrated	offices / workshops
APGD25	high pressure spray	50 m	outdoor	230Vac	optional	forecourts
RC.VDADP2	spray gate	3x5 m	outdoor	230 or 400 Vac	integrated	vehicles bodywork
RC.VDST4	spray gate	3x5 m	outdoor	230 or 400 Vac	integrated	vehicles bodywork

**Available options:** Additive mixing group • Width - height extension • Windscreens • Bacterial / virus reduction group • Lighting • Anti-frost heating • WEB remote control



 Scale:



<b>TECNOTER</b>	<b>RC GREEN</b>	<b>RC AUTOMATION</b>
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