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The better way to clean

CarWash



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Precleaning with Active-Foam with SoftFoam-Lance or with SoftFoam-Brush



Precleaning with Soft-Active-Foam

In order to achieve an optimal cleaning result, the vehicle surface is pre-sprayed with a highly effective Active-Foam concentrate. EHRLE offers various high-performance products, which differ in cleaning power and fragrances. The right Soft-Active-Foam for every application.

Technology

When selecting an Active-Foam program, the water output at the washing lance is reduced by 70% and a precisely preset foam concentrate in a mixing ratio of 1.0 - 2.5%, continuously adjustable, is added to the high-pressure jet.

This application is extremely economical and prevents excessive amounts of foam on the vehicles. The wash customer can spray his vehicle with soft foam all around without stress, without overstraining and in a targeted manner at the areas that show stubborn impurities.

The EHRLE Soft-Active-Foam gives dirt no chance and creates an unprecedented cleaning result and a perfect foam appearance with the smallest dosage and low water consumption.

By using the Soft-Active-Foam, the customer extends his washing time by an average of 30%, gets flawless cleanliness and the self-service car wash operator analogously a higher washing turnover.





SoftFoam lance with Active-Foam

The Active-Foam medium is fed to the SoftFoam lance via a separate high-pressure pipe system with a precisely pre-dosed SoftFoam portion. According to Bernoulli's law, the high-pressure switching pistol and an air injector create a dynamic pressure drop below atmospheric pressure, which sucks in air completely free of charge and mixes it with the active foam medium. The larger the amount of air, the better the foam formation and the EHRLE active foam system is at the top of the list in terms of efficiency and wear resistance. In addition, a perfect foam pattern is achieved via a downstream whirling chamber. This system is very simple and has no moving parts, making it particularly robust, low-maintenance and versatile.

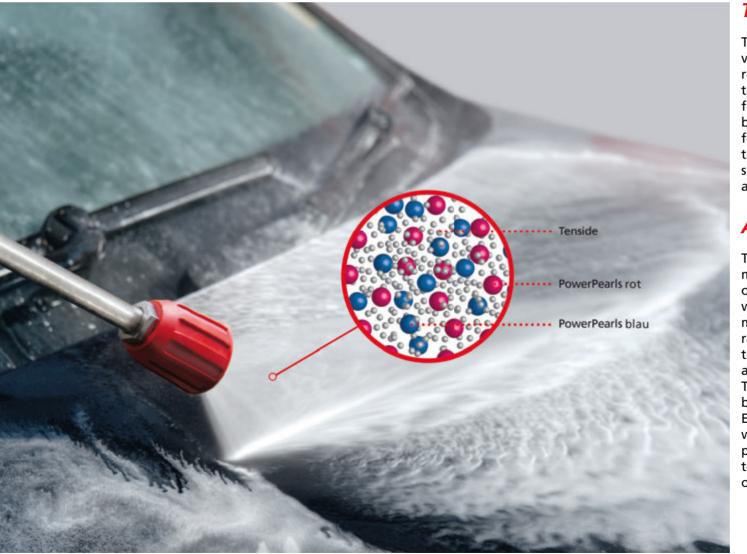


SoftFoam brush with Active-Foam

No matter how you or your washing customers want to use the active foam program, you can choose between the SoftFoam lance and the SoftFoam brush. Depending on the philosophy, contact-free or with a washing brush, the EHRLE active foam system creates a previously unknown, sensational foam look and spreads a pleasant scent atmosphere in the washing box while simultaneously reducing product and water consumption. A certain additional turnover is generated by longer washing and care times. You gain new customers through increased attractiveness of your location with guaranteed low-cost installation compared to other commercially available foam systems. So choose for yourself!

Brushless cleaning

with ActivePower Pearl MicroPowder



The challenge

The big challenge in car washing is that only the visible and coarse dirt on the paint surface can be removed with high-pressure washing alone. After the dirt has been removed, a film of dirt or grey film always remains on the paint, which can only be removed by contact with brushes, textile or foam strips, cloths or similar. It is pre-programed that fine dirt particles remaining in the brushes, sponges or cloths scratch the paint and thus damage it.

ActivePower Pearl MicroPowder

The EHRLE ActivePower Pearl MicroPowder removes the dirt film by direct mechanical contact of specially developed fine micro powder beads, which are applied to the surface to be cleaned by means of a high-pressure gun with a special ceramic nozzle. The product is extremely gentle on the material, leaves no residues and also has an additional corrosion protection component. The EHRLE ActivePower Pearl MicroPowder® has been specially developed by the experts in the EHRLE chemistry department for use in self-service washing systems and has been consistently improved, further developed and constantly adapted to changing environmental protection conditions over the years.



1. Purification



This is the basis for further care steps: The selfservice high-pressure wash with ActivePower Pearl MicroPowder® guarantees the best washing result.

2. Clear rinsing



The clear rinsing process rinses off the detergent residues of ActivePower Pearl MicroPowder® and dissolved dirt with cold, clear water. The rinse program can optionally be operated with decalcified or demineralized osmosis water.

3. Paint protection



UltraProtection[®] is sprayed onto the vehicle surface with decalcified, hot water. The vehicle surface is optimally protected and the water rolls off the sealed lacquer surface.



This wash cycle removes all remaining mineral deposits chemically.

A perfectly shiny vehicle is the result of this care process after drying. A leathering of the vehicle is not necessary.

SmartWash / SmartWash Plus

1-place self-service washing systems oil-heated or electrically heated



Especially suitable for petrol stations

The 1-place self-service washing systems Smart-Wash and SmartWash Plus are ideal for areas with limited space.

It is a perfect complement to normal everyday business, e.g. at petrol stations or workshops.

The SmartWash is an economical and easy-to-use compact EHRLE 1-place self-service washing system. The system guarantees a safe and modern car wash. Thanks to the brushless technology of ActivePower Pearl MicroPowder®, mixed in a high-pressure jet, dirt can be removed quickly and effectively.

The system is available as standard version with water softening and as SmartWash Plus version with additional reverse osmosis system. The washing water is heated by means of an oil burner or electric boiler.





Technical data	SmartWash oil heated	SmartWash elec. heated	SmartWash Plus oil heated	SmartWash Plus elec. heated
Voltage	3/ 400 V/ 50 Hz			
Operating pressure	110 bar / 11 MPa			
Max. pressure	130 bar/ 13 MPa			
Water output	660 l/h	660 l/h	660 l/h	660 l/h
Nozzle size	65056	65056	65056	65056
Hot water output	60 °C	60 °C	60 °C	60 °C
Heating capacity	29,5 kW - Oil burner	12 kW - Electric boiler	29,5 kW - Oil burner	12 kW - Electric boiler
Pump rpm	900 rpm	900 rpm	900 rpm	900 rpm
Capacity water softening	32 m ³	32 m ³	32 m ³	32 m ³
Permeate capacity reverse osmosis	-	-	2.400 l/d	2.400 l/d
Capacity osmosis tank	-	-	100 l	100 I
Capacity MicroPowder dispenser tank	15 l	15 l	15 l	15 l
Capacity UltraProtection tank	10	10 l	10	10 I
Capacity SuperFinish tank	10	10 I	10 I	10
Connected load	4,5 kW / 8,1 A	16,5 kW / 26 A	5,2 kW / 9,1 A	17,2 kW / 28 A
Electrical fuse	3x 16 A (delay-action fuse)	3x 32 A (delay-action fuse)	3x 16 A (delay-action fuse)	3x 32 A (delay-action fuse)
Weight	560 kg	650 kg	700 kg	770 kg
Dimensions	1200 x 750 x 3250 mm	1200 x 750 x 3250 mm	1200 x 1050 x 3250 mm	1200 x 1050 x 3250 mm

JetWash / JetWash Plus

Stationary JetWash self-service washing systems for 1-2 wash places, gas, oil, electrically heated or remote heat



Standard equipment JetWash / JetWash Plus

The JetWash systems are available with 4 standard washing and care programs. Optionally there is the possibility to upgrade with additional programs.

The systems are available with all EHRLE payment systems, as well as with the latest CentralPay technology.

The entire washing technology is housed in a powder-coated stainless steel housing and both JetWash and JetWash Plus can be heated with oil, gas, remote heat or electrically.

Like every car wash, JetWash car washes are equipped with a water softener. In addition, the JetWash Plus version has an 800-litre deionised water tank and a reverse osmosis system. Reverse osmosis offers not only fewer water stains after washing and drying, but also a consistently high quality of washing, even with an above-average number of customers.

The car wash is controlled by a modern Siemens computer and the TFT touch screen installed in the control system gives the owner access to information on all important parameters of the car wash and detailed financial information on the revenue and turnover of the car wash.





Technical data	JetWa	ash 1 V	Vash bay		JetWash 2 Wash bays		JetWas	h Plus 1 Wash	bay	JetW	'ash Pl	us 2 Wash b	ays
Type of heating	Oil	Gas F	Remote heat	Electric	Oil Gas Remote heat	Electric	Oil Ga	as Remote heat	Electric	Oil	Gas	Remote heat	Electric
Voltage	3/ 400) V/ 50	Hz		3/ 400 V/ 50 Hz		3/ 400 \	// 50 Hz		3/ 40	0 V/ 5	0 Hz	
Operating pressure	110 ba	ar / 11	MPa		2 x 110 bar / 2 x 11 MP	а	110 bar	/ 11 MPa		2 x 1	10 bar	/ 2 x 11 MPa	
Max. pressure	130 b	ar / 13	MPa		2 x 130 bar / 2 x 13 MP	a	130 bar	· / 13 MPa		2 x 1	30 bar	/ 2 x 13 MPa	
Water output	660 l/	'n			2 x 660 l/h		660 l/h			2 x 6	60 l/h		
Nozzle size	65056	5			65056		65056			6505	6		
Hot water output	60 °C				60 °C		60 °C			60 °C			
Heating capacity	35 kW	/		18 kW	50 kW	24kW	35 kW		18 kW	50 kV	V		24 kW
Pump rpm	900 rp	pm			900 rpm		900 rpn	n		900 ı	rpm		
Capacity water softening	120 m	ı³/h			120m³/h		120 m³/	'n		120m	ו³/h		
Permeate capacity reverse osmosis	-				-		300l/h			300l/	′h		
Capacity osmosis tank	-				-		800 l			800 I			
Capacity MicroPowder dispenser tank	35 l				35 l		35 l			35 I			
Capacity UltraProtection tank	10 I				10 l		10 I			10 I			
Capacity SuperFinish tank	10				10 l		10 I			10 I			
Connected load	5,0kW	V/ 9,0 A	۱.	23kW/36A	8,0kW/ 14,4A	32kW/50,5A	5,8kW/ 1	10,5A	23,9kW/37,5A	8,8k\	V/ 16,0	A	32,8kW/52,5A
Electrical fuse	3x16A	4		3x50A	3x16A	3x63A	3x16A		3x50A	3x20	A		3x63A
Weight	670 kg	g			850 kg		670 kg			850 l	g		
Dimensions	2.130	x 800 :	x 2.090 mm	1	2.130 x 800 x 2.090 mr	n	3.130 x	800 x 2.090 m	m	3.130	x 800) x 2.090 mm	

CarWash Plus

Stationary self-service washing systems for 2-4 washing places, gas, oil, electrically heated or with remote heat



Standard equipment CarWash Plus

The CarWash systems are available with 4 standard washing and care programes. Here, too, there is the option of upgrading with additional programs.

The systems are also available with all EHRLE payment systems, as well as with the latest CentralPay technology.

An internal touch screen display serves to display and control all important operating parameters as well as to evaluate all previous washing activities and washing sales.

Due to a special frost protection system and underfloor heating of the wash places, minus temperatures have no chance.

The CarWash contains exactly like the JetWash a water softener which is twice as big here however to defy the quantity of the wash places, as well as an 800l VE water tank and a reverse osmosis plant against annoying water stains.

The car wash is controlled by a modern Siemens computer and the TFT touch screen installed in the control system gives the owner access to information on all important parameters of the car wash and detailed financial information on the revenue and turnover of the car wash.





Technical data	2 Wash bays			3 Wash bays			4 Wash bays					
Type of heating	Oil	Gas	Remote heat	Electric	Oil	Gas	Remote heat	Electric	Oil	Gas	Remote heat	Electric
Voltage	3/ 400	V/ 50 H	Z		3/ 400	V/ 50 Hz			3/ 400	0 V/ 50 Hz		
Operating pressure	2 x 110	bar / 2	x 11 MPa		3 x 110	bar / 3 >	k 11 MPa		4 x 11	0 bar / 4 x	: 11 MPa	
Max. pressure	2 x 130	bar / 2	x 13 MPa		3 x 130) bar / 3 x	x 13 MPa		4 x 13	30 bar / 4 x	c 13 MPa	
Water output	2 x 660) l/h			3 x 660) l/h			4 x 66	50 l/h		
Nozzle size	65056				65056				65056	5		
Hot water output	60 °C				60 °C				60 °C			
Heating capacity	50 kW		24 kW	60 kW			36 kW	74 kV	V		48 kW	
Pump rpm	900 rp	m			900 rp	m			900 r	pm		
Capacity water softening	2 x 120 m³/h			2 x 120 m³/h		2 x 120 m³/h						
Permeate capacity reverse osmosis	7200 l/	d / 1080	00 l/d		7200 l/d		7200 l/d					
Capacity osmosis tank	800 l				800 I			800 l				
Capacity MicroPowder dispenser tank	35 I				35			35 I				
Capacity UltraProtection tank	10 I				10		10 l					
Capacity SuperFinish tank	10			10 I				10 I				
Connected load	8,0 kW	// 14,4 A	N N	32kW/50,4 A	10,4 kV	N/ 18,7 A	4	46,4 kW/ 72,7 A	12,8 k	W/ 23 A		60,8 kW/ 95 A
Electrical fuse	3x16 A			3x36 A	3x20 A			3x30 A	3x32	A		3x125 A
Weight	1.450 k	g			1.540 kg							
Dimensions	4.720 x	800 x 2	2.090 mm		4.720 x 800 x 2.090 mm		4.720 x 800 x 2.090 mm					

CompactLine

The series for beginners in the CarWash business and tough cost accountants



The CompactLine modular system

The CompactLine series is based on a modular system.

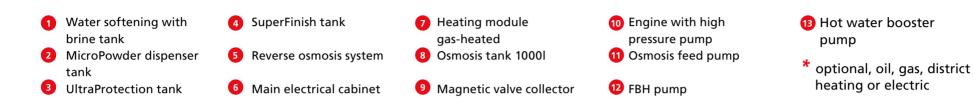
Here you can assemble an individual washing system from a large number of different modules and place it in your own premises or in an EHRLE Technik Container of your choice.

The basic module, which supplies 2, 3 or 4 washing places, can be supplemented at any time with an extension module, which also supplies 2, 3 or 4 washing places.

This makes it possible to assemble a self-service washing system with up to 8 washing places.

Each module is designed from the ground up for 4 washing places. If not all locations are used, it is still possible to retrofit the module with one or more kits.













Technical data	CompactLine 2 Wash bays	CompactLine 3 Wash bays	CompactLine 4 Wash bays	CompactLine 5 Wash bays
Voltage	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz
Operating pressure	2x 130 bar/ 2x 13 MPa	3x 130 bar/ 3x 13 MPa	4x 130 bar/ 4x 13 MPa	5x 130 bar/ 5x 13 Mpa
Max. pressure	2x 145 bar/ 2x 14,5 MPa	3x 145 bar/ 3x 14,5 MPa	4x 145 bar/ 4x 14,5 MPa	5x 145 bar/ 5x 14,5 Mpa
Water output	2x 600 l/h	3x 600 l/h	4x 600 l/h	5x 600 l/h
Nozzle size	65043	65043	65043	65043
Max. inlet temperature	60°C	60°C	60°C	60°C
Supplied heating power	50 kW / 55 kW Gas	55 kW / 74 kW Gas	2x 50 kW / 85 kW Gas	55 kW / 105 kW Gas
Pump rpm	1400 rpm	1400 rpm	1400 rpm	1400 rpm
Capacity water softening	2x 120 m³/h	2x 120 m³/h	2x 120 m³/h	2x 180 m³/h
Permeate capacity reverse osmosis	7200 l/d	7200 l/d	7200 l/d	7200 l/d
Capacity MicroPowder dispenser tank	1x 35 l	1x 35 l	1x 35 l/ 2x 35 l	2x 35 l
Capacity UltraProtection tank	1x 10 l	1x 10 l	1x 10 l/ 2x 10 l	2x 10 l
Capacity SuperFinish tank	1x 10 l	1x 10 l	1x 10 l/ 2x 10 l	2x 10 l
Connected load	8,0 kW/ 14,5 A	10,4 kW/ 18,7 A	12,8 kW/ 23 A / 13,5 kW/ 24,5 kW	15,9 kW/ 29 A
Electrical fuse	3x 18 A	3x 25 A	3x 35 A	3x 40 A
Weight	440 kg	470 kg	500 kg / 840 kg	870 kg
Dimensions	1775x740x1890 mm	1775x740x1890 mm	1x/2x 1775x740x1890 mm	2x 1775x740x1890 mm





Technical data	CompactLine 6 Wash bays	CompactLine 7 Wash bays	CompactLine 8 Wash bays
Voltage	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz
Operating pressure	6x 130 bar/ 6x 13 MPa	7x 130 bar/ 7x 13 MPa	8x 130 bar/ 8x 13 MPa
Max. pressure	6x 145 bar/ 6x 14,5 MPa	7x 145 bar/ 7x 14,5 MPa	8x 145 bar/ 8x 14,5 MPa
Water output	6x 600 l/h	7x 600 l/h	8x 600 l/h
Nozzle size	65043	65043	65043
Max. inlet temperature	60°C	60°C	60°C
Supplied heating power	2x 50 kW / 140 kW Gas	50 kW / 160 kW Gas	50 kW /160 kW Gas
Pump rpm	1400 rpm	1400 rpm	1400 rpm
Capacity water softening	2x 180 m³/h	2x 180 m³/h	2x 180 m³/h
Permeate capacity reverse osmosis	7200 l/d	7200 l/d	7200 l/d
Capacity MicroPowder dispenser tank	2x 35 l	2x 35 l	2x 35 l
Capacity UltraProtection tank	2x 10 l	2x 10 l	2x 10 l
Capacity SuperFinish tank	2x 10 l	2x 10 l	2x 10 l
Connected load	18,3 kW/ 33 A	20,7 kW/ 37,5 A	23,1 kW/ 41,8 A
Electrical fuse	3x 40 A	3x 50 A	3x 50 A
Weight	900 kg	930 kg	960 kg
Dimensions	2x 1775x740x1890 mm	2x 1775x740x1890 mm	2x 1775x740x1890 mm

CarWash Indoor ModulLine

Advanced technology compact in one room



ModulLine pump unit

The individual ModulLine high-pressure pump units are installed in series as required in the dedicated technical room (Technology Container) and connected to the power and water supply.

In addition, hot water heating modules, storage modules charging modules and foam generators can be arranged in the same modular system structure.

The EHRLE ModulLine system can be easily extended at any time.

All modules are networked via an Ethernet/LAN connection. The washing stations communicate with the individual technology modules via a serial connection.





Technical data	System variate 1-2	System variate 3SE-7	System variate 8SE-10
Voltage	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz	3/ 400 V/ 50 Hz
Operating pressure	110 bar/ 11 MPa	110 bar/ 11 MPa	110 bar/ 11 MPa
Max. pressure	130 bar/ 13 MPa	130 bar/ 13 MPa	130 bar/ 13 MPa
Water output	660 l/h	660 l/h	660 l/h
Nozzle size	65056	65056	65056
Max. inlet temperature	60°C	60°C	60°C
Supplied heating power	25 kW	25 kW	25 kW
Pump rpm	900 rpm	900 rpm	900 rpm
Capacity MicroPowder dispenser tank	20	201	20
Capacity UltraProtection tank	10	10	10 I
Capacity SuperFinish tank	10	10	10 I
Connected load	3,2 kW/ 5,8 A	3,3 kW/ 6,0 A	3,4 kW/ 6,2 A
Electrical fuse	3x 10 A	3x 10 A	3x 10 A
Weight	162 kg	165 kg	168 kg
Dimensions	600x740x1160 mm	600x740x1160 mm	600x740x1160 mm

Hot water heating systems

LCE Gas 30 - 85 kW heating capacity

- The EHRLE basic hot water heating module with stainless steel boiler can supply up to 4 self-service wash places with hot washing water.
- The modulating gas burner in conjunction with the latest condensing technology offers maximum efficiency and energy savings.
- The built-in booster pump supplies the wash places with hot washing water as required.
- A second domestic hot water inline pump serves to supply the heat exchanger of the underfloor heating system.



LCE Gas 30 - 160 kW heating capacity

- The power hot water heating module from EHRLE with stainless steel boiler can supply up to 8 self-service wash places with hot washing water.
- The modulating gas burner in conjunction with the latest condensing technology offers maximum efficiency and energy savings.
- The built-in booster pump supplies the wash places with hot washing water as required.
- A second domestic water inline pump is used to supply the heat exchanger of the underfloor heating system.



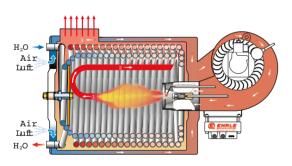
Technical data	LCE Gas 30-85 kW
Combustible material	Gas
Hot water temperature	30-60 °C
Efficiency	up to 106 %
Voltage / Electrical fuse	3/ 400V/ 50Hz - 3x 10A
Connected load	0,75 kW
Dimensions (L x W x H)	740 x 1.000 x 2.160 mm

Technical data	LCE Gas 30-160 kW
Combustible material	Gas
Hot water temperature	30-60 °C
Efficiency	up to 106 %
Voltage / Electrical fuse	3/ 400V/ 50Hz - 3x 10A
Connected load	1,0 kW
Dimensions (L x W x H)	2.000 x 1.000 x 1.500 mm



LCE Oil 55 kW heating capacity

- The hot water heating module with oil firing is equipped with the proven horizontal EHRLE heating coil made of stainless steel with highly efficient 3-pass combustion chamber. The heated washing water is stored in a pressureless insulated boiler.
- The built-in booster pump supplies the wash places with hot washing water as required.
- A second domestic water inline pump is used to supply the heat exchanger of the underfloor heating system.





LCE Oil 110 kW heating capacity

- The hot water heating module with oil firing is equipped with the proven horizontal EHRLE double heating coil made of stainless steel with highly efficient 3-pass combustion chamber. The heated washing water is stored in a pressureless insulated boiler.
- The built-in booster pump supplies the wash places with hot washing water as required.
- A second domestic water inline pump is used to supply the heat exchanger of the underfloor heating system.



Technical data	LCE Oil 55kW
Combustible material	Oil
Hot water temperature	30-60 °C
Efficiency	93%
Voltage / Electrical fuse	3/ 400V/ 50Hz - 3x 10A
Connected load	1,0 kW
Dimensions (L x W x H)	1000x740x2160 mm

Technical data	<i>LCE</i> Oil <i>110 kW</i>
Combustible material	Oil
Hot water temperature	30-60 °C
Efficiency	93%
Voltage / Electrical fuse	3/ 400V/ 50Hz - 3x 10A
Connected load	2,0 kW
Dimensions (L x W x H)	800x940x2160 mm

Hot water heating systems

SLM-Storage Charge Module 50-160 kW

The SLM storage modules can be connected to external heat generators such as oil or gas boilers, remote heat transfer stations, solar thermal systems and the underfloor heating with system separation required for winter operation.

Another advantage is the possible connection to existing heating systems.



Technical data	SLM I	SLM II	SLM III
Heat exchanger capacity	75 kW	105 kW	160 kW
Heating circuit $\Delta T = 30 \text{ K}$	2,1 m³/h	3,0 m³/h	4,7 m³/h
Nominal width of heating circuit	25 DN	25 DN	32 DN
Washing water circuit $\Delta T = 30 \text{ K}$	3,2 m³/h	4,5 m³/h	6,9 m³/h
Voltage / Electrical fuse	3/ 400V/ 50Hz - 3x 10A	3/ 400V/ 50Hz - 3x 10A	3/ 400V/ 50Hz - 3x 10A
Dimensions (L x W x H)	740 x 1.000 x 2.160 mm	740 x 1.000 x 2.160 mm	740 x 1.000 x 2.160 mm



ModulLine SafePillar

Monitoring and control of the plant as well as economic evaluations

SafePillar LCE Terminal



- The EHRLE ModulLine SafePillar with the LCE operating terminal is used to operate the selfservice washing technology. The entire housing of the ModulLine SafePillar is made of stainless steel for protection against corrosion.
- The washing and care programes are called up via waterproof, impact-resistant and illuminated programe keys. In addition to the program keys, the customer is informed about the respective washing or maintenance program.
 LED lighting ensures good legibility of customer information during darkness.

- In the basic version, the car wash customer can insert money coins or operator-specific tokens to purchase the washing time. In the extension of the basic version, CarWash CustomerKeys can optionally be used as well as bank note readers.
- The large 4-digit display shows the purchased washing time and the remaining time after program start.
- A waterproof switch box inside the SafePillar provides optimum protection for the payment and operating devices. A built-in heating prevents the technology from freezing in subzero temperatures.
- The LCE operating terminal is connected to the ModulLine pump unit via an RS458 serial cable and communicates the entire operating processes.
- The ModulLine SafePillar is secured against burglary with a five-point locking system with concealed hinges and PZ half cylinders. The attachment of a padlock is possible.
- In order to achieve maximum safety, there is the option of integrating a coin extraction system in the SafePillar. This coin extraction system transports coins through underground stainless steel tubes into a safe in the much more secure technology container.

SafePillar Terminal



EHRLE Washing and care programs







Cleaning with ActivePower Pearl MicroPowder

The main course of vehicle cleaning is high-pressure cleaning with ActivePower Pearl MicroPowder[®]. This is the basis for further care steps and guarantees satisfied washing customers. The self-service high-pressure wash with ActivePower Pearl MicroPowder[®] ensures the best washing result.

Rinsing

The rinse process rinses off the detergent residues of ActivePower Pearl MicroPowder[®] and dissolved dirt with cold, clear water. This serves as the basis for the further maintenance steps. The rinse program can optionally be operated with decalcified or demineralized osmosis water.

Paint protection with UltraProtection[®]

UltraProtection[®] is sprayed onto the surface of the vehicle with a washing jet using decalcified and hot water. The vehicle surface is optimally protected and the water rolls off the sealed varnish surface. The synthetic structure of UltraProtection[®] also prevents the windscreen wipers from smearing in the rain.

Stain-free high gloss with SuperFinish[®]

As a final care programe, EHRLE recommends rinsing with decalcified, demineralized osmosis water with the addition of SuperFinish[®] This wash cycle removes all remaining mineral deposits chemically. A perfectly shiny vehicle is the result of this care process after drying. A leathering of the vehicle is not necessary.

EHRLE Offers the possibility to select add-on programs







Pre-cleaning with soft foam brush and soft foam

A possible first step in vehicle cleaning is pre-cleaning with a brush and soft foam. The soft foam is applied to the vehicle to be cleaned at low pressure using a soft foam brush and provides a very efficient solution of stubborn dirt, insect remains etc.

Pre-cleaning with soft foam lance and soft foam

Another possible first step in vehicle cleaning is pre-cleaning with soft foam, which is applied to the vehicle to be cleaned at low pressure using a soft foam gun. The soft foam causes a very efficient dissolving of stubborn dirt, insect remains etc.

Pre-cleaning with ActivePower Pearl MicroPowder®

EHRLE also offers the possibility to pre-clean the vehicle with ActivePower Pearl MicroPowder[®], the highly effective ultimate EHRLE cleaning detergent powder.

Cleaning with ActivePower Pearl MicroPowder®

In this program, vehicle cleaning is carried out with brush and ActivePower Pearl MicroPowder[®], the highly effective ultimate EHRLE cleaning detergent powder, which is permanently supplied to the brush at low pressure.

Cleaning with ActivePower Pearl MicroPowder®

With this program, vehicle cleaning is carried out with ActivePower Pearl MicroPowder[®], the highly effective ultimate EHRLE cleaning detergent powder, which is always supplied at low pressure at the brush or high pressure at the jet pipe.

EHRLE Offers 10 combinations of washing and care programs:

System variate 1

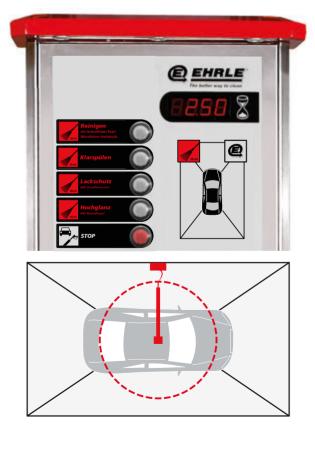
- Cleaning with APPMP and jet pipe
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

System variate 2

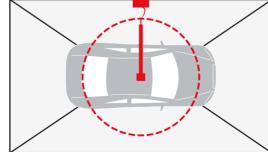
- Pre-cleaning with APPMP low pressure and jet pipe
- Cleaning with APPMP and jet pipe
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

System variate 3 SE (Southern Europe)

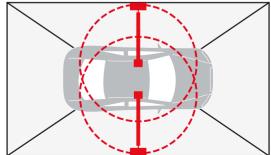
- Cleaning with APPMP and jet pipe and foam brush
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe













System variate 4

- Pre-cleaning with SoftFoam jet pipe
- Cleaning with APPMP and jet pipe
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

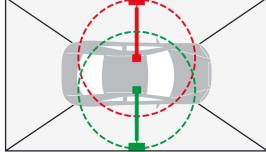
System variate 5

- Pre-cleaning with SoftFoam Brush
- Cleaning with APPMP and jet pipe
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

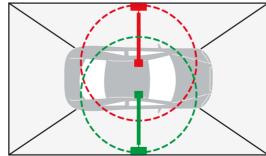
System variate 6

- Cleaning with APPMP and jet pipe
- Cleaning with APPMP and SoftFoam brush
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

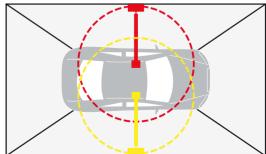












EHRLE Washing and care programs EHRLE offers 10 combinations of washing and care programes:

System variate 7

- Pre-cleaning with APPMP low pressure and jet pipe
- Cleaning with APPMP and jet pipe
- Cleaning with APPMP and foam brush
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

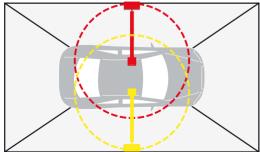
System variate 8 SE (Southern Europe)

- Pre-cleaning with SoftFoam-Gun
- Cleaning with APPMP and jet pipe and foam brush
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

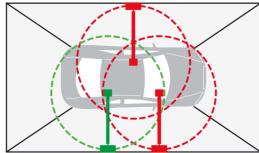
System variate 9

- Pre-cleaning with SoftFoam-Gun
- Cleaning with APPMP and jet pipe
- Cleaning with APPMP and foam brush
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe

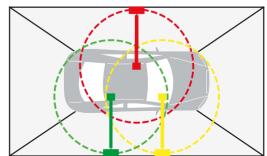










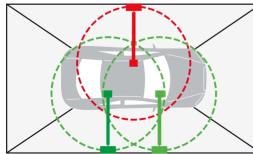




System variate 10

- Pre-cleaning with SoftFoam-GunPre-cleaning with SoftFoam Brush
- Cleaning with APPMP and jet pipe
- Rinsing with jet pipe
- Paint protection with UltraProtection and jet pipe
- High gloss with SuperFinish and jet pipe





System variate	Smart- Wash	Smart- Wash Plus	JetWash	JetWash Plus	CarWash Plus	CarWash Compact- Line	CarWash ModulLine	
1	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	4+ 1 button
2	x	x	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	5 + 1 button
3	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	4 + 1 button
4	x	x	x	\checkmark			\checkmark	5 + 1 button
5	x	x	x	\checkmark	\checkmark	\checkmark	\checkmark	5 + 1 button
6	x	x	x		\checkmark		\checkmark	5 + 1 button
7	x	x	x	\checkmark	\checkmark	\checkmark	\checkmark	6 + 1 button
8	x	x	x	\checkmark	\checkmark		V	5 + 1 button
9	x	x	x	x	x	\checkmark	\checkmark	6 + 1 button
10	x	x	x	x	x			6 + 1 button

ConditionMonitoring

Monitoring and control of the plant as well as business evaluations.

ConditionMonitoring 1 Basic

In the basic version of ConditionMonitoring 1 (CM 1), all system-relevant data such as opening time, happy hour, current system status, operating status and washing turnover can be read out. All important system parameters can be read out locally and adjusted at the same time. All wash volumes are displayed for each individual wash area and can also be separated into cash, tokens and CarWashKeys. EHBLE ConditionMonitoring offers the possibility.

EHRLE ConditionMonitoring offers the possibility to determine the washing turnover per washing station in the last 24 hours, the last weeks, months, years and the total turnover since commissioning.

An evaluation program graphically displays the development of washing sales for each wash area as well as the overall development.

ConditionMonitoring 2 (Option)

In the configuration level ConditionMonitoring 2 (CM 2), all functional sequences of your SB-Car-Wash system are also displayed on the display (12 "TFT) in clear graphic functional representations. The media pressure monitoring constantly controls the pressures of fresh water intake, osmosis, antifreeze and wash water. Sensors immediately report a defect or malfunction in the system with the date and time.

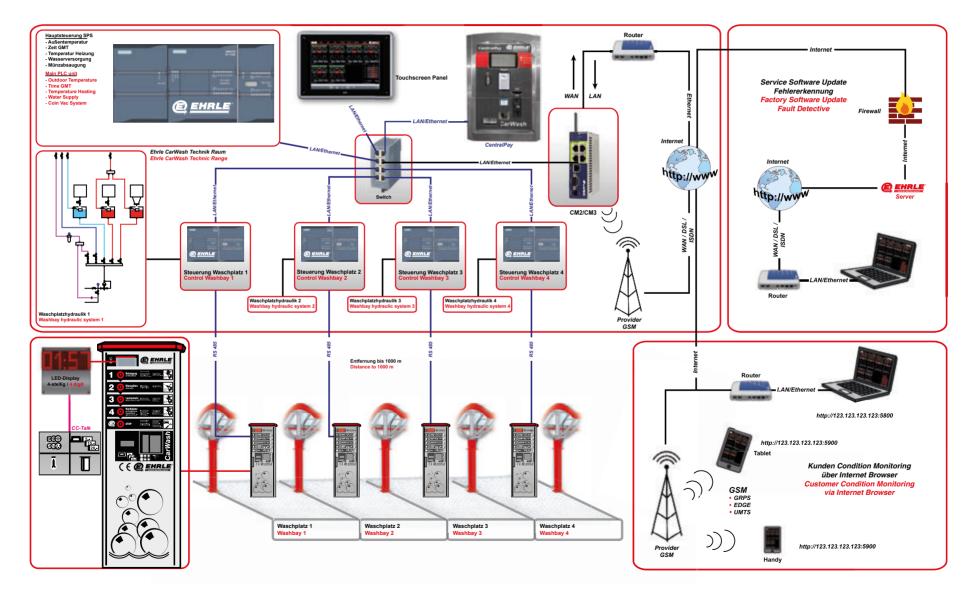
Condition Monitoring 3 (Option)

With the configuration level ConditionMonitoring 3 (CM 3), all high-pressure pumps are additionally monitored independently and displayed in an analogue display. All storage containers of the additives and the MicroPulver are monitored and clearly displayed. The plant operator can always get an impression of the amount of washing and care products.

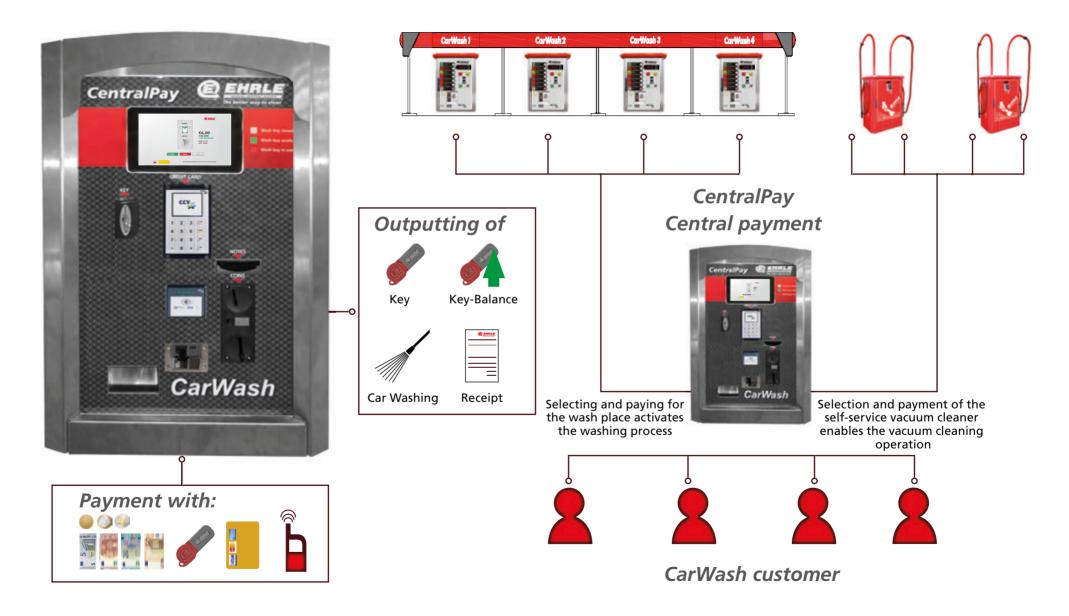




Networking and remote data transmission



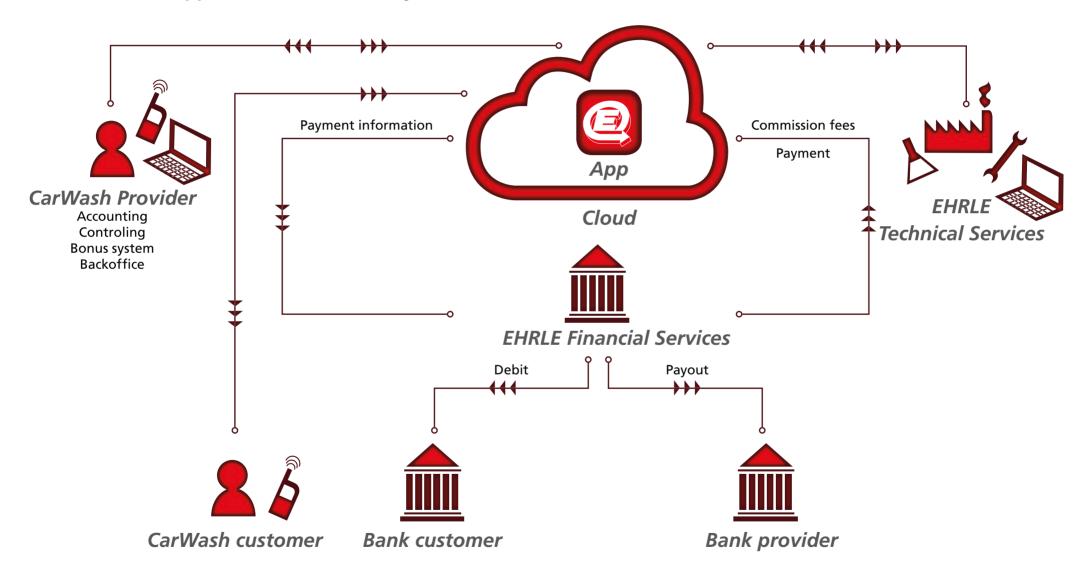
CentralPay with credit card terminal (POS), everything in one place!





The EHRLE Cloud

with EHRLE App and Smart Phone Pay without credit card terminal



Self-service vacuum cleaner

The overall concept of a self-service washing system always includes high-performance vacuum cleaners



Multi-cyclone vacuum cleaner

As with the single cyclone vacuum cleaner, the incoming air flow is first rotated to remove the larger dirt particles. The air is then accelerated again to a second "purification stage" with another cyclones. Due to the smaller diameter of the second cyclone, the air is set into a considerably higher rotation speed, which also allows finer dirt particles to be separated. With the EHRLE Multi-cyclone vacuum cleaner reduces the size of the separated dust particles, so that the central filter can also be omitted in many cyclones. This also eliminates the need to clean the central filter and prevents loss of vacuum power, even during heavy use. Simply ingenious - Ingeniously simple!

Overhead hose system

Easy handling of the vacuum hose and therefore no ground contact are guaranteed as a result of which less wear and soiling of the vacuum hose and the vacuum nozzle occurs. A large, lateral vacuum hose holder is used for storage.

Option: INOX

- Complete stainless steel housing, ground surface
- Stainless steel vacuum hoses 180° rotatable
- Stainless steel dirt container





Technical data	Mono-Standard	Mono-INOX	Duo-Standard	Duo-INOX
Vacuum capacity	3200 l/min	3200 l/min	2x 3200 l/min	2x 3200 l/min
Vacuum	230 mbar	230 mbar	2x 230 mbar	2x 230 mbar
Dirt container capacity	70 I	70 l	2x 70 l	2x 70 l
Vacuum hose length	500 cm	500 cm	2x 500 cm	2x 500 cm
Noise level	66dB (A)/ 57,5 dB (A)*	66dB (A)/ 57,5 dB (A)*	69dB (A)/ 60,5 dB (A)*	69dB (A)/ 60,5 dB (A)*
Electrical fuse	3/ 400 V/ 50 Hz - 3x10 A	3/ 400 V/ 50 Hz - 3x10 A	3/ 400 V/ 50 Hz - 3x16 A	3/ 400 V/ 50 Hz - 3x16 A
Connected load	2,3 kW/ 4,2 A	2,3 kW/ 4,2 A	4,6 kW/ 8,3 A	4,6 kW/ 8,3 A
Dimensions	120 x 80x 300 cm			
Weight	400	400	450	450

*with noiseproofing

EHRLE CarWash plants











Wash- and care additives

Optimally matched to EHRLE technology



ActivePower Pearl MicroPowder Plus

ActivePower Pearl MicroPowder offers maximum dirt dissolving with ActivePower Pearls and a high surfactant content.

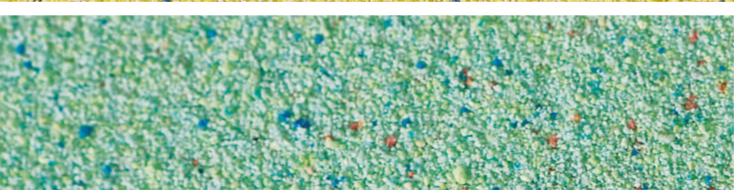
Constant flowability and rapid solubility form a perfect foam pattern and leave a fresh, pleasant scent in the washing box.

The powder is very gentle on the material and leaves no residues on vehicle lacquer, glass and plastics.

ActivePower Pearl MicroPowder INEX

With its refined scent of exotic fruits, the powder is a recognition value for every EHRLE CarWash customer.

Airy, yellow with an active microgranulate it can be used for all contactless car washes.



ActivePower Pearl MicroPowder GREEN

The ActivePower Pearl MicroPowder GREEN impresses with its environmentally friendly properties.

This product is designed to limit the release of hot chemicals during the washing process.

This product is therefore particularly advantageous in places where traditional washing chemicals may not be used.



e better way to ch

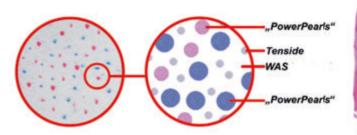
ActivePower Pearl MicroPowder

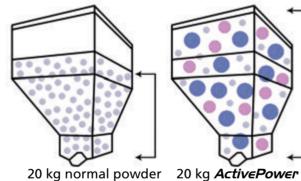
The high proportion of surfactants and detergents in combination with the red and blue ActivePower **Pearls** offer a perfect cleaning result and at the same time protect the environment. The ActivePower Pearls not only remove coarse dirt, but can also effortlessly remove the so-called TrafficFilm (grey film) on the vehicle surface

In combination with the warm and decalcified wash water, the surfactants and chelating agents of EHRLE ActivePower Pearl MicroPowder® act like a thousand small sponges and ensure a thorough cleaning of the vehicle surface, without damaging or scratching it.

The perfect foam pattern and high dispersibility in combination with an intensive fresh scent makes cleaning child's play and gives your washing customer an optimum cleaning result. The low density of EHRLE ActivePower Pearl *MicroPowder*[®] and the constant flowability ensure precise dosing in a high-pressure spray jet.

The product is extremely gentle on the material and also has an additional corrosion protection component. In addition, ActivePower Pearl MicroPowder® is silicate-free and leaves no residue on vehicle lacquer, glass and plastic.





20 kg normal powder



Washing and care additives

For a shiny washing result

Paint protection UltraProtection[®]

Specially developed for EHRLE SB-CarWash, portal plants and EHRLE high-pressure cleaners.

- Preserves and intensively cares for lacquer, rubber and plastic surfaces
- Outstanding gloss on varnish and plastic surfaces
- Very long-lasting protection against weather and other environmental influences such as UV radiation
- Impregnation effect for maximum water and dirt repellency
- Free of mineral oil and hydrocarbons

High gloss dryer SuperFinish[®]

Specially developed for EHRLE SB-CarWash, portal plants and EHRLE high-pressure cleaners.

- Very explosive tearing of the water film
- Provides a water- and dirt-repellent shine effect
- Can be used with all water types as long as the pH value of the water is < approx. 8 (hard, soft, demineralised, rainwater, etc.)
- Free of mineral oil and hydrocarbons
- Can be used for rinsing after wax care

Foam

- Extremely productive, cleaning-intensive and particularly paint-protecting active foam.
- Intensive and pleasant scenting of the washing system or at the self-service washing area.









FoamPlus

- Extremely productive, cleaning-intensive and particularly paint-protecting active foam.
- Intensive and pleasant scenting of the washing system or at the self-service washing area.

FoamXtra

- Extremely productive, cleaning-intensive and particularly paint-protecting active foam.
- Intensive and pleasant scenting of the washing system or at the self-service washing area.



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