



EQUIPMENT FOR CAR WASHES AND AUTO REPAIR SHOPS

Progress in the field of transportation has made it necessary to care for the cleanliness and appearance of operated vehicles. Because of this, there is a need for specialized car washes.

These projects impact the natural environment by, among other things, increasing water consumption, which also leads to an increase of sewage.

To minimize the interference in the natural environment while simultaneously ensuring high performance and quality of the cleaning service, car washes require the application of professional equipment, i.e. appropriate agents, reliable and economical dosing pumps and dilution systems.

Watersystem offers high-grade equipment that is suitable for portal, contactless and manual car washes. Our equipment makes work more efficient and contributes to substantial savings of time and money.

Our product range includes reliable dosing pumps from SEKO, foam generators, as well as machines for spraying both the body and rims, as well as for cleaning car interiors.

Diverse systems make it possible to perform spraying with various substances, for both passenger cars and trucks.

Water quality, above all, affects the quality of the washing service. This is why we offer tried and tested water treatment systems: mechanical filters, softeners and complete water and wastewater purification systems.

Car washes equipped by Watersystem guarantee the highest level of service, with respect for the environment



LOW-PRESSURE CAR WASH SYSTEMS

Watersystem offers a wide range of products for the automotive industry and for industrial cleaning. Our offer includes low- and medium-pressure systems that guarantee effective and economical cleaning. Our broad assortment of chemical dilution units ensures that the right amount of chemicals are dosed every time.

LOW-PRESSURE WASHING SYSTEMS

Specially designed for professionals in the automotive industry. The spraying systems Watersystem offers can also be applied in many other spray washing processes. They are characterized by a compact design and simple use.

APPLICATION

- Professional manual car wash
- Auto repair shops
- Self-service washes



Simplicity



Ergonomy



Environmental protection

ProPulv

The ProPulv system for car washes and auto repair shops is intended for application of a single chemical agent, shampoo or detergent. It is characterized by low water consumption - 4.2 l/min. The system is ideal for spraying trucks and delivery vans. It is available with spray lances with lengths 60 cm, 90cm as well as a 1-2m telescopic lance.

- Working temperature up to 50°C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 liters/min.
- Easy operation
- Venturi system
- Possibility of working without electric power supply
- Spray lances available in lengths 60/90 cm/1-2 m
- Hose with a length of 15 m or 25 m



ProNet

The ProNet system, made for car washes and auto repair shops, is intended for application of gloss agent. One of ProNet's advantages is low water consumption - 4.2 l/min. The system is ideal for spraying trucks and delivery vans. It is available with spray lances with lengths 60 cm, 90cm as well as with a 1-2 m telescopic lance.

- Working temperature up to 50 °C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 liters/min.
- Easy operation
- Venturi system
- Possibility of working without electric power supply
- Spray lances available in lengths 60/90 cm/1-2 m
- Hose with a length of 15 m or 25 m



ProDual

ProDual is a sprinkling and rinsing system. It is intended for application of shampoos, detergents for pre-washing and for application of gloss fluid. The system can be applied in auto repair shops and car washes for passenger cars, trucks and other vehicles.

- Working temperature up to 50 °C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 liters/min.
- Easy operation
- Venturi system
- Possibility of working without electric power supply
- Spray lances available in lengths 60/90 cm/1-2 m
- Hose with a length of 15 m or 25 m



ProAcid

ProAcid is a system designed for application of aggressive acidic chemicals and aggressive detergents. The system finds applications in sectors such as: transportation, industry, agriculture, car washes.

- Working temperature 50 °C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 liters/min.
- Hose holder
- Easy installation
- Venturi system
- Possibility of working without electric power supply
- PVDF Venturi



FOAM GENERATING SYSTEMS

Foam generating systems are designed to ensure exceptional cleaning performance and disinfection of surfaces.

APPLICATION

- Manual car washes
- Auto repair shops and car salons
- Food and transportation industry



Easy to use



Solid construction



Affordable price

ProFoam

Dry foam generating system. ProFoam is an excellent foam generating machine, utilizing water and compressed air. Thanks to compressed air, high-quality dry foam can be obtained.

Standard equipment

- Working temperature up to 50 °C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 liters/min.
- Easy operation
- Venturi system
- Possibility of working without electric power supply
- Spray lances available in lengths 60/90 cm/1-2 m
- Hose with a length of 15 m or 25 m



MultiClean

MultiClean is a system for generating abundant foam that can remain on the cleaned surface for a long time. MultiClean is characterized by low water consumption and a low amount of chemical waste. This is a system that can reduce operating costs and allow a business to operate in an environment-friendly way.

- Working temperature up to 50 °C
- Working pressure from 2 to 6 bar

ADVANTAGES

- Optimal time of foam persistence on surfaces
- Lower water consumption
- High-quality dry foam



JetNet

Portable machines for cleaning surfaces.

OPERATION:

One chemical agent + rinsing.



Mobile foam generator

Mobile pressurized foam generators with certificate confirming compliance with EU regulations.

Two models are available

- with stainless steel tank
- with enamelled tank

Models available with tank capacities of 24 l and 50 l



SOLENOID DOSING PUMPS

Dosing pumps are key components of any car wash and are tasked with correct dosage of concentrated chemical agents.

The dosing pumps offered by Watersystem are characterized by high functionality and precision of operation, and the wide range of available accessories makes it possible to create a tailor-made solution.

Kompact Pumps

Kompact is a simple and reliable series of solenoid dosing pumps with a microprocessor-based design.

Pump design

- PV DF-T head
- ceramic balls
- EPDM or FPM gaskets
- PTFE membrane

The materials used to make pumps make the AML Kompact series perfect for most applications.

Electric power supply of Kompact series pumps:
100-240 V AC 50/60 Hz with Energy Saving technology.

- Output range: 5 l/h at 8 bar or 3 l/h at 10 bar
- Gaskets: PVDF, PTFE, EPDM, FPM and ceramic
- Analog and digital range with constant or proportional dosing
- Power on signaled by LED indicator
- Multi-color LED status system
- Protection against dry running
- Timed dosing by means of a programmable week-long timer
- Dosing in ppm
- Access to work statistics
- Password-protected access
- Input for remote activation/deactivation of pumps



Tekna EVO pumps

Tekna EVO are multifunctional dosing pumps which are the result of SEKO's research and many years of experience. These innovative, premium-class machines are made of materials of the highest quality. The standard equipment of TEKNA EVO pumps includes PVDF heads which ensure maximum resistance to most chemical agents.

TEKNA EVO dosing pumps are characterized by high precision and reliability. They are additionally equipped with Power Saving technology, thanks to which they consume less electricity.

Electrical power supply of pumps:

100 – 240 V AC 50/60 Hz. Five-year guarantee on PTFE membrane.

- Analog and digital range with constant or proportional dosing
- Proportional dosing using both analog (4 – 20 mA) and digital inputs
- Signal input from PT100 temperature sensor
- Output range: 0.4 to 110 l/h, up to 20 bar
- Gaskets: PVDF, PTFE, EPDM, FPM and ceramic
- Alarm signal output
- Input for remote activation/deactivation of pumps
- Output signal 4 – 20 mA for measurement transmission
- Timer function
- Dosing in ppm
- Access to work statistics
- Flow sensor
- Input for chemical level sensor
- Password-protected access



Air blowers

Side channel blowers are the most commonly chosen machines in the case of automated projects requiring high volumes of clean, dry air at low pressures.

We offer blowers that are easy to install, emit low noise during work and have a compact and lightweight design, which contributes to substantial energy savings.

- No parts subject to excessive wear
- No lubrication required
- Do not require frequent maintenance
- Quiet work
- Fluid air flow
- Can be installed in any direction



WATER TREATMENT SYSTEMS

Properly treated water is one of the most important factors affecting both the quality and performance of services rendered at car washes.

To obtain a sparkling clean vehicle as a result of the washing process, at least two types of water must be used, i.e. soft water for proper washing and demineralized water for rinsing. The higher the quality of the water used at the car wash, the most spectacular the effects of cleaning will be.

Watersystem offers machines and systems of the highest grade for application in car washes – portal, contactless and manual. We provide both individual machines and complete water treatment systems.

WATER SOFTENING STATIONS

All cleaning operations in a car wash require the application of soft water

We offer water treatment machines and systems with various outputs.

Individual stations

Individual water softening stations from the STR series are used to soften water from which iron and manganese have previously been removed. Softeners can generate soft water for use in, for example: heating and cooling installations as well as car wash systems.

Available models

- With outputs up to 20 m³/h in a single machine
- With volumetric control - regeneration after the appropriate amount of water is generated
- With up-flow and down-flow regeneration



Multi-tank stations

Multi-tank softeners from the DTR series are used to soften water from which iron and manganese have previously been removed. They find applications wherever continuous soft water supply is required.

DTR softeners generate soft water, which can be used in heating and cooling installations, car wash systems and many other applications.

Available models

- With outputs up to 20 m³/h in a single machine
- With volumetric control - regeneration after the appropriate amount of water is generated
- With up-flow and down-flow regeneration
- Two- and three-tank systems
- Capability of communication over Wi-Fi network



REVERSE OSMOSIS SYSTEMS

Demineralized water is necessary for effective rinsing of cars in car washes. Demineralized water can be obtained in the reverse osmosis process, which removes all cations and anions originating from dissolved salts from water. The application of reverse osmosis systems eliminates the problem of white sediments after car washing.

In addition, applying a machine for water demineralization removes the need for drying or wiping down cars.



RO Star II

- Standing units
- Menu available in Polish/Czech/English languages
- Output from 300 to 2000 l/h



RO Midi

- Standing units
- Stainless steel frame
- Quiet work
- Small dimensions
- Menu available in languages: Polish/Czech/English
- Output from 100 to 2000 l/h



RO Slim

- Standing units
- Small dimensions
- Stainless steel frame
- Quiet work
- Menu available in languages: Polish/Czech/English
- Output from 100 to 1100 l/h

FILTRATION SETS

Machines equipped with compact reverse osmosis systems along with integrated pre-treatment system. Filtration sets find broad applications in small workshops and car salons.

ADVANTAGES OF WATERSYSTEM'S FILTRATION SETS

- **Sets strictly adapted to the client's needs**
Complete solution with various accessory options
- **Quick and easy installation of set**
thanks to factory-made assembly of piping and cabling on frame
- **Risk of failures minimized**
The complete system is factory-tested under the appropriate pressure
- **Less space required** thanks to station's compact design
- **High output** - up to 2m³/h of demineralized water



WATER RECOVERY IN CAR WASHES

Growing environmental awareness and rising water prices are forcing car wash owners to apply modern recovery systems. A water recycling system makes it possible to recover a part of the water from proper washing and chassis washing. Thanks to this, recycled water can be reused in the cleaning process.

APPLICATION

- Manual car washes
- Auto repair shops and car salons
- Food and transportation industry



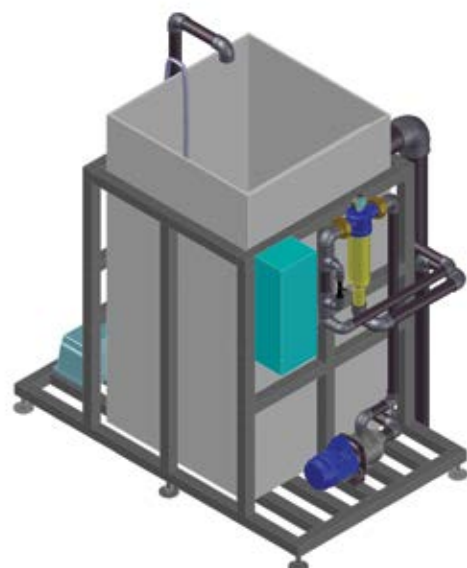
HydroPure

This system is specially designed with car washes in mind. HydroPure is a compact system with small dimensions, and its base components are:

- water tank
- automatic filter with NextSand bed
- supporting pump
- dosing system
- process control system

HydroPure and HydroPure Bio allow water recovery up to **80%**

Jego prosta i trwała konstrukcja sprawia, że jest to jedno z najczęściej oferowanych urządzeń przez Watersystem.

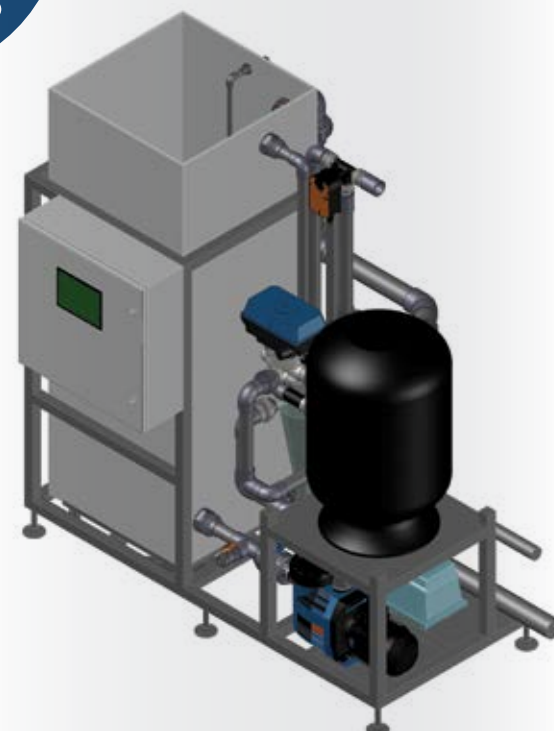


HydroPure Bio

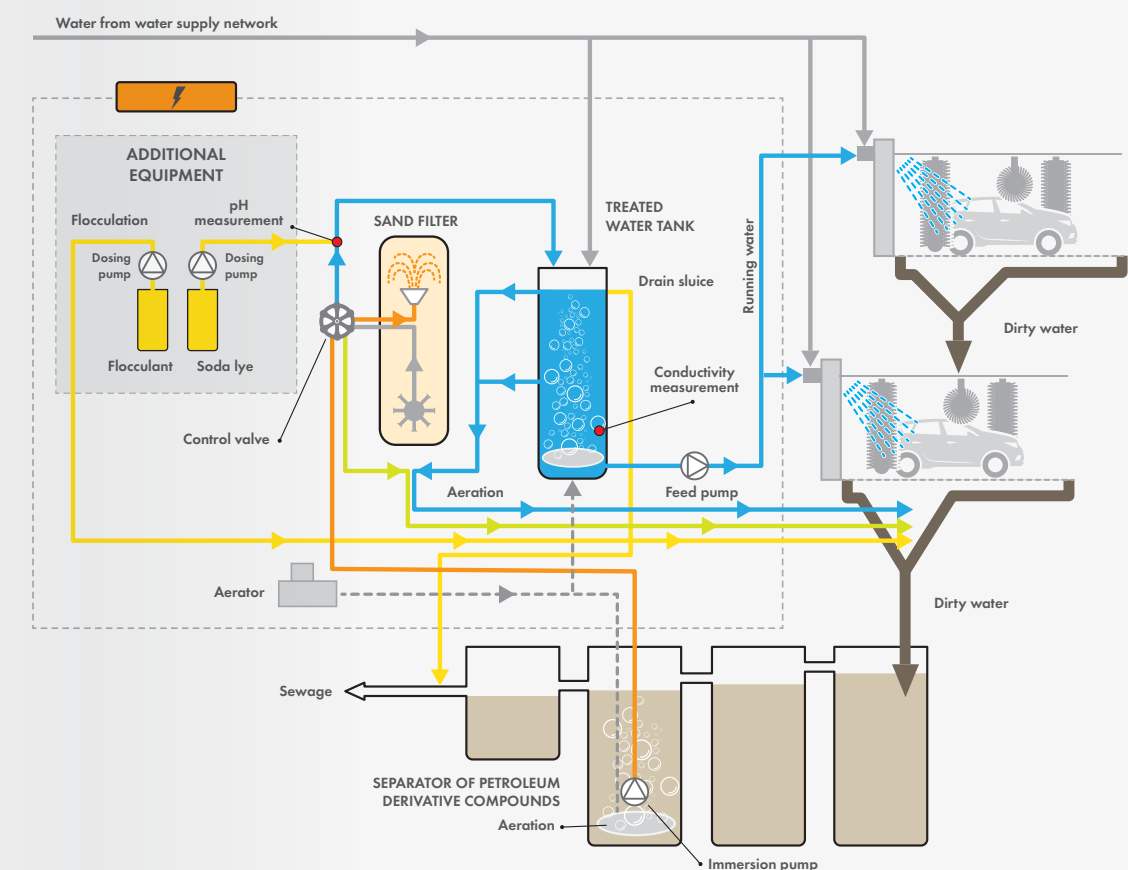
This compact system is specially designed for application in car washes.

The base components of HydroPure Bio are:

- water tank
- automatic filter with NextSand bed
- supporting pump
- dosing system



HydroPure – technological diagram



ADVANTAGES OF APPLYING HydroPure and HydroPure BIO

- Low maintenance costs
- Easy operation
- High performance and reliability
– output of systems up to 4 m³/h.
- Perfect for portal car wash owners
- Compact design
– also suitable for small technical rooms



SAVINGS



SAFETY



CONVENIENCE



ENVIRONMENTAL PROTECTION

SEWAGE TREATMENT PLANTS

Every car wash generates sewage that must be drained off to the sewer system. However, this is not always possible due to exceeded tolerable parameters. It then becomes necessary to apply a pre-treatment system for sewage.

Industrial sewage generated at car washes is characterized by very high variability of physicochemical parameters.

The main parameters that typically exceed legally mandated standards are:

- suspended matter content
- petroleum derivative and fatty substances
- phosphorus, anionic surfactants, etc.

COMPLETE SEWAGE PRE-TREATMENT SYSTEMS

Watersystem offers comprehensive solutions for car washes that make it possible to reduce pollutant indicators. Thanks to this, treated sewage can be directed to the municipal sewer system.

The chemo-mechanical system for treatment of sewage from washing of cisterns offered by Watersystem makes it possible to treat sewage to the parameters required by law.

Flotators

Flotation systems can be applied in many branches of industry for pre-treatment of sewage removing solids, suspended matter and oils. Applying the flotation process makes it possible to reduce pollutant loads in sewage directed to both the municipal sewer system and biological purification systems.

Watersystem offers complete technological solutions of micro-bubble and hybrid flotation with the application of a filtration system for final treatment of industrial sewage.

ADVANTAGES OF FLOTATION

- Effective and flexible technology for removal of suspended matter and fats
- Wide range of applications in many branches of industry
- High-performance aeration system eliminating the need for applying external installations for saturation



TAILOR-MADE SOLUTIONS

Watersystem's solutions are adjusted to the client's individual needs.

We offer standard installations for car washes, with output from 1 to 10 m³/h. Moreover, we propose specially designed systems for greater sewage flows. It is also possible to develop a solution for complete sewage treatment with dumping into the ground or water.

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