

# seko

## Solutions for **Car Washing**



Your Choice,  
Our Commitment

A hand holding a red spray wand is visible on the left side of the page. The background is a photograph of a car being washed at sunset, with water droplets on the car's surface and a warm, golden light from the setting sun.

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# A Worldwide Group at your service

## Globally Present, Locally Active

Our Global presence ensures that we can support our customers wherever they are. Supported by teams in over 20 countries, as well as by our accredited partner distributor network, we ensure professional, local customer support in over 120 countries, with the added benefit of rapid delivery of goods to meet your needs.

All this backed up and supported by a world-class team of technical customer service, able to provide all the back up or technical support needed. With ISO certificated production sites in Europe, the Americas and Asia, we are close to our customers and fully compliant with all local norms both in terms of our product designs as much as our production facilities.

# How SEKO works for You

From the spark of an idea, through to the delivery of a solution, SEKO is with you all the way

SEKO supports its customers in every phase of a project, from the inception of an idea or request, through design and testing to launch and installation. Our in-house research, design and development teams work closely with the local teams, drawing on customer and market inputs. Then using state-of-the-art technologies to optimize costs and using our own specifically designed test benches to ensure rigorous, robust testing, we ensure a quality solution is delivered quickly to market.

No matter which processes and applications are planned SEKO has a solution in the cleaning and hygiene of kitchens and laundries and surfaces of all types in applications like Offices and Restaurants, Hospitals and Hotels, Retailers and Schools, Car Washes and Swimming Pools, Cooling Towers, Energy, Food & Beverage, Water & Gas Utilities Potable and Waste Water Treatment.

## 1 Partnership Philosophy

Being a privately-owned business means that we are here for the long term and can plan projects with and for our customers, where both parties benefit. It means we can rapidly take decisions to invest our resources to ensure our optimum solutions are delivered.

## 2 Your Business, Our Solutions

Our extensive product range represents a unique combination of design, development and implementation know how. With a wide and ever evolving range of products and ancillaries, we can offer specific and comprehensive solutions for a variety of industrial applications. Our solutions are conceived to fit seamlessly into your operation, optimizing the processes and applications.

## 3 Uniquely Positioned

SEKO's 3 business units, Cleaning & Hygiene, Water & Industry and Industrial Processes puts us in a unique position to be able to respond to the widest range of business needs, with a broad range that allows you, the customer, to deal with just one company, simple.

# Vehicle Washing

## An ever-evolving set of solutions for your business needs

SEKO has always supported businesses facing the commercial challenges that arise from having to drive costs down and whilst minimizing environmental impact. Today, it has built a worldwide reputation as a leader in the world of Dosing and Dilution Solutions.

SEKO offers a range of products ideally suited for Automotive Industry and for Industrial Cleaning through its range of low and medium pressure systems products to suit every application provide long contact time ensuring an effective deeper clean. SEKO's range of chemical dilution units ensure the correct amount of chemical is dosed every time in to bottles and buckets eradicating overdosing and chemical wastage.

Exploiting our market experience, we design, develop, test and manufacture designs that ensure all our solutions and systems deliver:

### Precision and Consistency

Maximizing cost control for chemical dosing, or ensuring the right dilution rate is used, requires advanced technology, impervious to fluctuations in water pressure, to guarantee an effective result, in turn providing the security for a given business brand.

### Ease of Use and Installation

As a global company, we are attuned to the differing needs of individual markets. This is why, when we design a new product, we ensure that installation is simple, that we use attention to ergonomic design to ensure operator ease and comfort of use over long periods of time. Our controllers' uniform programming language ensure our products work effectively, whatever language you speak.

### Safety and Reliability

The safety of customers and operators is paramount, requiring the very best in terms of design and features. SEKO's range provides this security. From the use of HACCP compliant materials to the optionally available backflow prevention devices, safety is at the forefront of our design ethos. Reliability drives good safety, and all SEKO's products are fully tested prior to leaving our warehouse.

### Operational Efficiency

Running a business is about making money. To do this, SEKO plays its part. From the affordability of the range of solutions, through to thoughtful design elements that make our systems durable, reliable and with minimal maintenance requirements, like the diaphragms on our pumps that are guaranteed for 5 years, aimed at reducing operating costs.



# Industry Information\*

While there has not been a census or study done on the exact size of the car wash industry, we estimate that there are approximately 80,000 professional car wash locations in North America, and nearly the same number in Europe. By type of car wash, those markets are organized as follows:

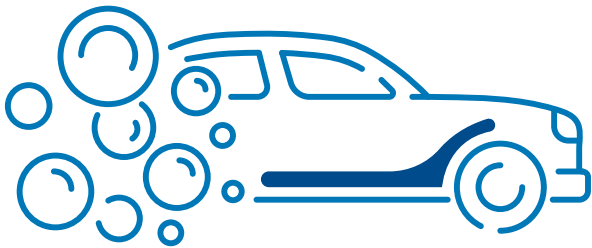
## Retail Activity

More than 2 billion cars are washed each year in North America and nearly 1 billion in Europe.

**\$15 Billion in North America<sup>#</sup>**

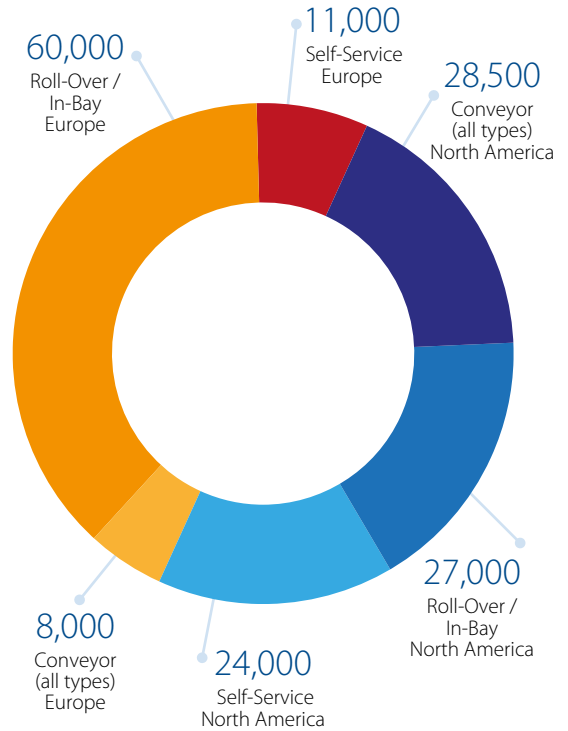
**€5 Billion in Europe<sup>#</sup>**

<sup>#</sup>approximately



## Consumer Trends

In the mature markets of North America and Europe, consumers are increasingly preferring to have their cars washed for them versus doing it themselves. In the United States, the percentage of drivers that report most frequently washing their vehicle at a professional car wash has increased from approximately 47% in 1994 to 72% in 2014.

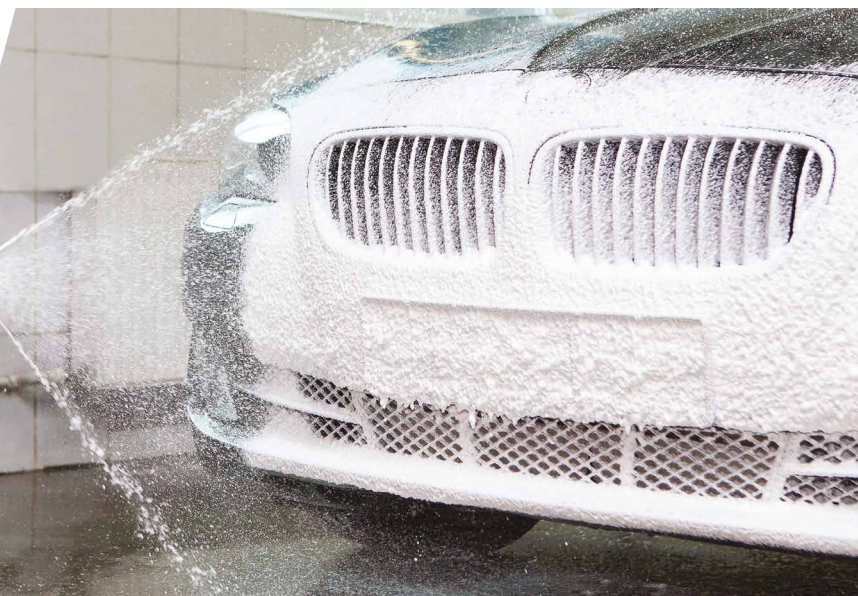


■ 79,500 North America Locations ■ 79,000 European Locations  
 Estimations only; does not include non-primary sites such as dealerships or car rentals.



The Car wash market is divided into 3 areas

- Self-service installation
- Automated installations
- Manual handwashing



# Why Wash Your Vehicle?

A clean vehicle has multiple benefits. From an image point of view, a clean vehicle promotes and adds value to a brand image, this is key for brands that look to promote messages associated with hygiene, cleanliness, freshness especially of food.

From a purely financial point of view, clean vehicles reduce their operating costs through longer lifespan. Road dirt, particulate matter, bird droppings, air borne pollution, along with additional contamination from salt deposits during winter months, represent a constant threat to the vehicle bodywork. Considering also the costs associated with the cleaning and disinfection of vehicles transporting food stuffs and livestock, the costs of compliance as much as stock life, reinforce the need therefore for systematic washing.

## Aspects related to the management of car washing systems



- Utilization of water resources (relations with competent authorities)
- Treatment of water to make them more suitable for the washing operation
- Wastewater treatment
- Presence of hot water (legionella)
- Systems for pumping and cleaning and drying equipment
- Corrosive action of water and chemicals
- Recovery and recirculation systems

Detergent requires proper dosage to fully exploit its performance without compromising a vehicle's bodywork. Even foaming products need precision as too much foam leaves brush marks over-dilution reduces cleaning performance. Water too should be soft because water with a very high level of hardness negatively impacts the detergent, leaving unsightly marks on the vehicle during the drying process.

Chemicals also vary the pH of the wastewater and a strict monitoring and control of this wastewater is crucial to ensure full compliance with the local water authorities, while recent regulatory evolution sees ever stricter local authority rules regarding water consumption, means that elements such a recovery of rain water and the reuse of wastewater are becoming of critical importance.

## Supplier Activity

Gross sales of chemicals into the car wash market are nearly \$1 Billion annually in North America and €400 Million in Europe. Gross sales of car wash equipment and parts approach \$700 Million in North America and €350 Million in Europe.

(\*carwash.org)



A photograph of a car being washed in a tunnel. The car is dark-colored and is covered in water droplets. The background is filled with large, red, rotating brushes. The lighting is dramatic, with a strong red glow from the brushes and a bright white light reflecting off the car's surface.

# Pump Selection

At the heart of any car wash are the pumps used to transfer the water and chemical

For larger car wash operations where jet washers are replaced with injection systems, or that require more precise dosing or where the control of product consumption is critical given the scale of the operation, SEKO offers you a wide range of solenoid pumps and accessories that allow you to build a tailor made solution.

SEKO also offers a full range of pre-assembled panels coming with pumps control instrumentation and measuring systems that allow you to recycle wastewater from wash tunnels.

## Applications

- Roll Over Systems
- Fully Automated Wash Tunnel systems



# Tekna

## Electromagnetic Pump

Tekna Series is the range of innovative wall mounted solenoid driven dosing pumps that SEKO has designed following many years of experience working with its customers worldwide. These multifunctional solenoid driven dosing pumps maintain outstanding precision and reliability, critical to any customer, characteristics synonymous with the SEKO name.

Using only premium materials in its manufacture, Tekna's pump head comes as standard in PVDF and with a ceramic ball valve. These features assure high performance for the chosen applications and improve the reliability of the pump assuring the chemical compatibility of the wetted parts.



### Features

- Constant or proportional dosing according the measured Chlorine, Hydrogen peroxide or Peracetic acid
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On/Off for remote control
- 4 – 20 mA output for measure transmission
- Timer function
- ppm dosing
- Batch Mode & On/Off input
- Statistics menu
- Flow sensor
- Level control inputs & alarm output relay
- Password protection
- Proportional dosing using both analogue (4 – 20 mA) and digital inputs

### Reliable

Long life diaphragm tested to give 5 years working life

- Diaphragms made of solid PTFE, making it compatible with most chemicals.
- Tested over long period of time, SEKO guarantees its diaphragm for 5 years making routine replacement no longer needed.

### Intuitive programming

A new concept of programming menu

- Programming menu are self explanatory and available in 5 languages
- Intelligent Display, once a function is selected the pump will only display the parameters to set, which are linked to the selected function

### Clever

Just 5 Models, Just PVDF, All functions in one pump

- 5 models that cover 0,4 to 54 l/h with an output pressure up to 20 Bar
- 1 Casing allows skids to be pre-constructed, as the fixing points remain constant, and the pumps can be selected on confirmation of the dosing flow

### Compatible

PVDF pump head and ceramic ball valve as standard

- PVDF is suitable for almost all chemical used in the Industrial, Waste Water Treatment and potableWater applications
- The use of Ceramic balls as standard improves the pumping reliability and the chemical compatibility of the whole liquid end

# Tekna

## Analogue Version



### AKL Constant dosage

Analogue dosing pump with constant flow rate manually adjustable by control dial on the front panel, two frequency range (0-20% or 0-100%), Power-ON led indicator and level control input.

### APG Proportional dosage

Analogue dosing pump with constant flow rate manually adjustable, proportional flow rate according to an external analogue (4-20 mA) or digital pulse signal (e.g. from water meter).

- Control dial (percentage and “n” value in multiplication mode)
- 6 position adjustable switch:
  - 3 in division mode (1, 4, 10 = n)
  - 1 in multiplication mode (n=1)
  - 1 for proportional 4-20 mA signal
  - 1 for constant functionality
- “pacing” function adjustable by dip switch

### ATL Timed dosage

Analogue dosing pump with constant flow rate manually adjustable and timed dosage with T on-T off double regulation.

- 3 control dials (flow rate percentage - T on regulation - T off regulation)

## Digital Version



### TPG Proportional dosage

Digital dosing pump with constant flow rate manually adjustable, proportional flow rate according to an external analog (4-20 mA) or digital pulse signal (e.g. from water meter).

- Timer function, ppm dosing, statistics, password and On/Off input (remote switch).

### TPR Proportional dosage

Digital dosing pump with pH/Redox control meter built in.

- Digital interface for constant or proportional dosing, depending on the measured pH or Rx value
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On-Off for remote control
- 4-20 mA output for measure transmission

### TMP Proportional dosage

Digital dosing pump with Chlorine, Hydrogen Peroxide or Per-Acetic Acid control meter built in.

- Instrument on board set via Software
- PT100 probe input for thermal compensation
- Repetition alarm relay
- Input On-Off for remote control
- 4-20 mA output for measure transmission

### TCK Timed dosage

Digital dosing pump with constant flow rate manually adjustable, or timer control.

- Programmable timed relay

# Invikta

## Electromagnetic Pump

Invikta is a series of micro-processor based solenoid driven dosing pumps. While Invikta may be the entry level to SEKO's range of solenoid driven dosing pumps, it still brings with it great reliability, quality construction and flexibility in the number of applications where it can work, and is ideal for use in automated car wash plants and reverse osmosis systems and many other applications.

As with the rest of SEKO's products Invikta, uses premium materials in its manufacture. The pump head is optionally available in PVDF and but the ball valves are ceramic as standard further enforcing the reliability of the pump and assures the chemical compatibility with all the wetted parts. SEKO's diaphragms are made of pure solid PTFE offering a superior life expectancy guaranteed by SEKO for 5 years, making routine replacement no longer necessary, making this essential pump a great entry point into the SEKO range.

External plastic enclosure is in PP which comes with IP65 class protection against jets of water and aggressive environments, which may be present in car wash businesses. A low-level alarm can be requested as an optional extra.



### Features

- Polypropylene housing with IP65 protection (splash guard)
- Pump housing with manual priming valve
- Manual flow rate adjustment from 0 (pump off) to 100% of maximum flow
- Power supply 90-265 VAC as standard (20 - 60 VAC on request)
- The pump can be equipped with connection for low level alarm
- Wall mounting:
  - Directly to the wall
  - By means of a mounting bracket

Invikta is a simple and reliable series of electromagnetic metering pumps based on microprocessors.

### KCS constant dosage

Analogue dosing pump with manually adjustable constant flow using the control dial located on the front panel, without input level control. LED power-ON.

### Pump body material

- Pump Head: PVC (with manual priming valve)
- Sealing Gaskets and Drain Valve: FPM; EPDM
- Ball: Ceramics
- Membrane: PTFE

# Kontrol 40

## Single-parameter Controller

The Kontrol Range represents SEKO's most advanced solution for the comprehensive monitoring of multiple water parameters, key to ensuring effluent water is safe to be discharged back in to the water systems. The result of SEKO's dedication to innovation and a passion for measurement solutions and systems to meet increasingly complex and large customers' technical requirements, Kontrol provides high levels of measuring accuracy and control with simple functionality.

Kontrol 40 is a single parameter controller that uses the latest technology to accurately and reliably monitor pH, Redox (ORP), flow, potentiostatic chlorine and conductivity in all principal water treatment applications.



The innovative electronic control board used in Kontrol 40, allows full exploitation of its capabilities resulting in improved accuracy and consistent repeatability of measurement. Its easy-to-use programming menu makes verification of the dosing and control system simple and quick while the quality of the probes used ensure high resolution measurements.

Reading the data from the Kontrol 40 is made easy thanks to its real time status bar and from the clear measurement display in the centre of the digital display. As with all Kontrol systems, it benefits from a multilingual menu to ensure end users ability to use and interpret the system.

### Features

- All Kontrol units are CE/UL certified ensuring full health and safety compliance
- Easy to install and easy to maintain the electronic circuits
- High contrast image graphic display, and easy to read, self-explanatory icons
- Variable display backlighting allows the user to quickly understand the active operating mode



A close-up photograph of a hand holding a bright yellow sponge over a dark blue surface. The surface is covered with white foam, suggesting a cleaning or washing process. The background is a blurred blue and white pattern, possibly representing water and foam.

# Dilution Control

Managing the cost of your operations drop by drop

Chemical manufacturers spend millions designing and perfecting the perfect formula to balance performance with cost in use. This is reliant fully on the equipment used to dilute the chemical. SEKO's experience in precision dosing systems means that we can provide outstanding solutions, built with the same ease of installation, ease of use and safety principles that we apply elsewhere in our products.

## Applications

- Roll Over Automated systems
- Manual systems
- Car wash premises in general

# ProMax C

## Accurate dilution at the push of a button

ProMax features the latest in proportioning technology, reducing flow restriction and maximizing performance even in lower water pressure situations.

It is the latest, most intuitive and cost effective dispensing system available in the market today.

By combining the revolutionary technology of patented hydrodynamics and user friendly, image enhancing features unique to ProMax, SEKO has produced the perfect solution for all institutional and light industrial chemical dilution applications.

Ideal for diluting chemicals used for interior valeting of vehicles either private or commercial.



ProMax combines state of the art patented technology with innovative user friendly features

- Modularity for maximum versatility
- Space saving design
- Quick, easy, tool free installation
- Pick up and discharge tubing included for fast easy connection to inlet and outlet fittings

Models available to safely and efficiently fill small, medium and large containers with accurately diluted use solutions from chemical concentrates

- Spray Bottle (flow rate 4 l/m)
- Mop Bucket (flow rate 16 l/m)
- Floor Scrubber (flow rate 30 l/m)

## Robust and durable ABS enclosure

- ProMax allows additional units to be easily added to an existing installation
- Wall bracket mounting eliminates need to open enclosure during installation for tool free mounting
- Accurate dilution rates; select from a full range of supplied metering tips

## Reliability

Robust materials and construction for maximum reliability:

- Magnetic solenoid type activating valve
- Tamper proof housing and activation mechanism
- 4 product selector valve uses a special seal giving wide ranging chemical compatibility
- Auto-activating venturi requires no downstream restriction to create back pressure
- Patented backflow prevention offers effective protection while minimizing flow restriction

# ProMax C

Accurate Dilution at the Push of a Button



ProMax C  
Button 4 Product



ProMax C  
Button 1 Product



ProMax C  
Slide 4 Product & Button 1 Product

## Low maintenance

Reduced service calls

- Robust housing and valve activating mechanism
- Robust hydraulic with 9bar static pressure tolerance
- Auto-locking connection
- Auto-activating venturi
- Optional cartridge filter for poor water conditions to reduce water related service calls

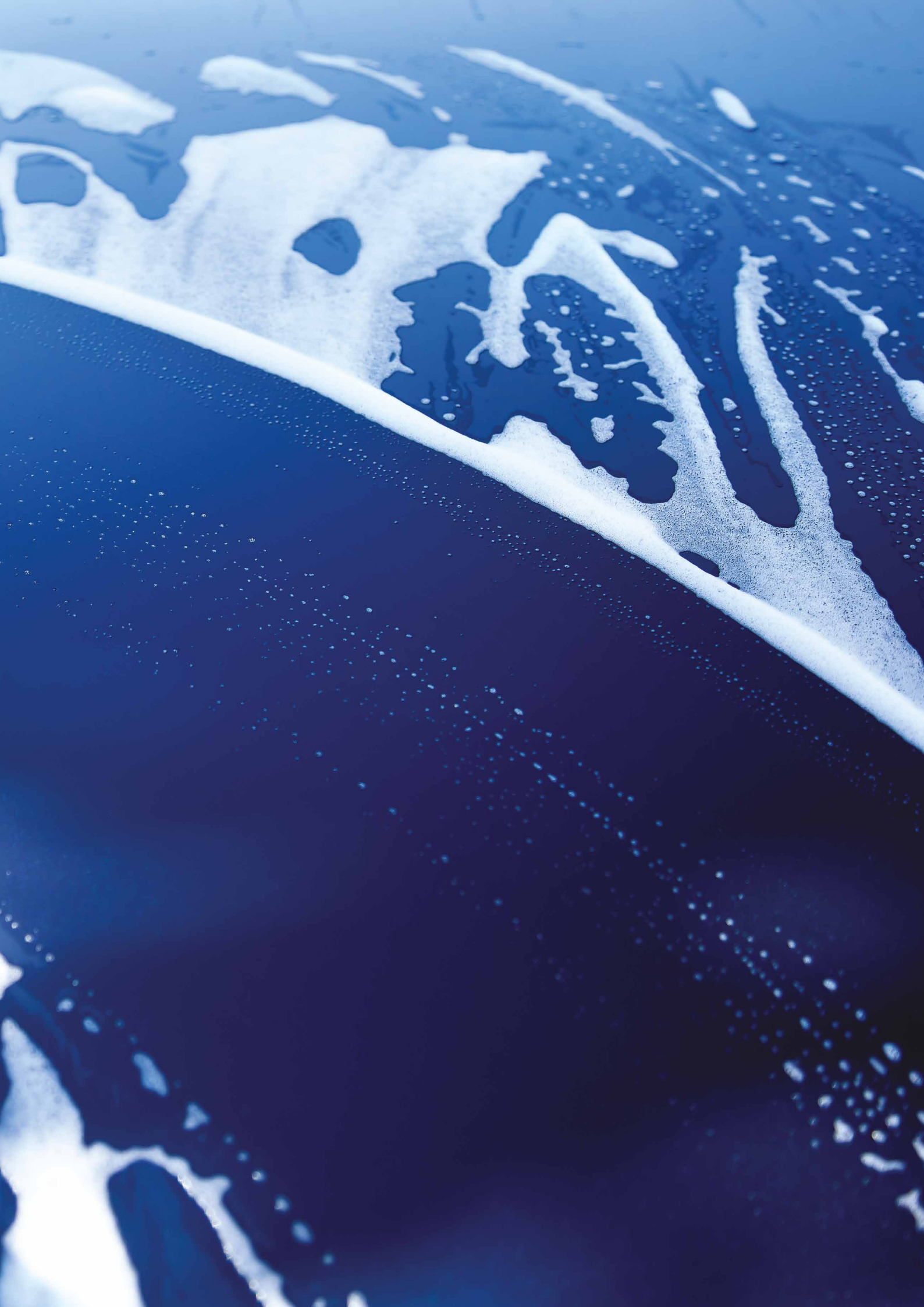
## Project your company image

- 95% of the facing available for proprietary graphics using underlays and removable clear faceplates
- No external stick on labels to peel or run from wear or unsightly chemical and water damage
- Customize the facing to identify product and/or establish color coding for employee safety
- Print out small quantities of labels as needed to match your customers' product mix

## Features

- Offering the most intuitive and cost effective dispensing system available in the market today
- Available in either 1 or 4 product versions
- Revolutionary patented hydrodynamic technology sets new industry standards of performance and reliability
- Modular and flexible for maximum versatility for Kitchens to Laundry, Janitorial services to Commercial Cleaning
- Efficiently fills small, medium and large containers with accurately diluted ready to use solutions from chemical concentrates
- Outstanding space for personalized branding or customized communication without costly printing minimums and set up charges
- ProMax C certified by all the leading European water authorities
- Flow rate 4 – 30 l/min





A person wearing an orange long-sleeved sweater and dark pants is using a high-pressure spray gun to clean a silver car. The person is holding the spray gun with both hands, and the spray gun is directed towards the side of the car. The background is a bright, outdoor setting, possibly a car wash or a parking lot. The spray gun is black and has a long, thin nozzle. The car is silver and has a sleek design. The ground is wet and reflective, suggesting that the car has been washed or is being washed. The overall scene is bright and clean.

# Spray Systems

Simplicity and ergonomically designed both for private car washing as well as for commercial vehicle cleaning.

Designed for the professional automotive care sector, SEKO's spray systems can also be used in multiple other industrial cleaning processes, and all feature our customary thoughtful design, ease of use and reliability.

## Applications

- Manual professional car wash
- Self service carwash outlets

# ProPulv

## Automotive Spray System

ProPulv is a single product spraying system designed to spray pre-wash shampoos or detergents on cars, trucks and other such vehicles. Designed for use in the automotive industry, SEKO has ensured that the system meets water regulations, being fitted with a BA back-flow prevention device. It has been designed to fulfill HACCP basic requirements for possible other uses in food contact applications. The system can be assembled on a trolley providing portability to its list of features.

- The system could be assembled on a trolley

### Features

- Working temperature up to 50°C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 l/min
- Dilution ratio from 0.6% to 15.7%
- PVC cover: HACCP compliant, smooth, ergonomic and robust
- Stainless steel lance and high quality hose
- Hose rack incorporated
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance and tank holder



# ProNet

## Automotive rinse-aid system

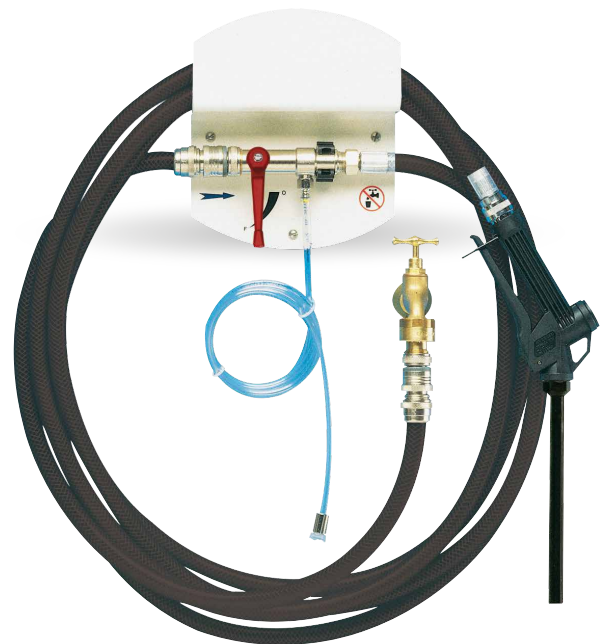
ProNet is a single product spraying system designed to spray rinse-aid solutions on cars, trucks and other vehicles. The system reduces water and chemical waste reducing operational costs and has the benefit of also being a system could be assembled on a trolley providing portability to its list of features.

The system requires no additional electric power supply or compressed air to work effectively, connected as it is directly to the water system. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.

- The system can be assembled on a trolley

### Features

- Working temperature up to 50°C
- Working pressure from 2 to 6 bar
- Water consumption 7 l/min
- Dilution ratio from 0.4% to 25.8%
- PVC cover: HACCP compliant
- PVC lance and high quality hose
- Hose rack incorporated
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance and tank holder



# ProDual

## Automotive combined spraying & rinsing system

ProDual is a dual product spraying system designed to spray pre-wash shampoos or detergents and apply rinse-aid solution on cars, trucks, and other vehicles. The system reduces water and chemical waste reducing operational costs and has the benefit of also being a system could be assembled on a trolley providing portability to its list of features.

The system requires no additional electric power supply or compressed air to work effectively, connected as it is directly to the water system. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.

- The system can be assembled on a trolley

### Features

- Working temperature up to 50°C
- Working pressure from 2 a 6 bar
- Water consumption 4.2 l/min – 7 l/min
- Dilution ratios from 0.6% to 15.7% - from 0.4% to 25.8%
- PVC cover: HACCP compliant
- Stainless steel and PVC lance and high quality hose
- Hose rack incorporated
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance and tank holder



# ProAcid

## Automotive spraying system for strong acid and alkaline chemicals

ProAcid has been specifically designed to spray aggressive detergents or acid chemicals in several sectors including transportation cleaning. As such ProAcid has been engineered for a better resistance to highly concentrated aggressive chemicals featuring a PVDF Venturi, and PVC lance. Ideal for use cleaning wheel rims or for maintenance usage cleaning engine bays where applicable.

The hose is high made from quality industrial grade use materials, featuring a triple layer with one of these reinforced with polyester to give a longer lifespan while the outer layer is made of supple PVC for additional flexibility.

The system requires no additional electric power supply or compressed air to work effectively, connected as it is directly to the water system. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.

- Engineered for a better resistance to high concentrated chemicals: PVDF Venturi, PVC lance

### Features

- Working temperature up to 50°C
- Working pressure from 2 to 6 bar
- Water consumption 4.2 l/min
- PVC cover: HACCP compliant
- PVC lance and high quality hose
- Hose rack incorporated
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance and tank holder





A close-up photograph of a car's front grille and headlight area being washed with a thick, white foam. A hand is visible on the left, holding a spray nozzle that is emitting a stream of foam. The background shows a tiled wall. The overall scene is brightly lit, emphasizing the texture of the foam.

# Foam Systems

To make cleaning of the most difficult to reach and vertical surfaces possible

Designed to offer outstanding performance in the cleaning and disinfection of vertical or difficult access surfaces, SEKO's Foam Systems offer exceptional performance remaining simple to use, robust and affordable.

## Applications

- Car wash manual systems
- Commercial Vehicle cleaning
- Refrigerated Transport
- Foodstuffs and livestock transport



# ProFoam

## Dry Foam System for difficult to clean surfaces

ProFoam is a chemical foam generator that offers constant and automatic mixing of chemical with water generating a thick creamy foam, maximizing the contact time for deep disinfection of vertical or difficult to reach surfaces. The thickness of the foam reduces water and chemical waste thus reducing operational costs. Designed to meet HACCP requirements, it features a smooth, ergonomic and robust standards body and comes with a food grade, high quality hose and foam lance.

Designed to generate a rich creamy foam, similar to the shaving cream, to maximize the contact time. Reduces water and chemical waste thus preserving the environment and reducing operational costs.

## Advantages

- High-quality, dry foam
- Optimal working time for the foam on the surfaces
- Low water consumption
- Requires no additional electrical power supply
- Optional BA device available if required
- EN1717 certified

## Features

- Working temperature up to 40°C
- Working pressure of air and water from 2 to 6 bar
- Dilution ratio from 1.5% a 22%
- PVC cover: HACCP compliant, smooth, ergonomic and robust
- Food grade high quality hose and foam lance
- Hose rack incorporated
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance and tank holder



# ProFoam-R

## Dry Foam and Rinse System for all round foam cleaning

Building on the back of ProFoam, SEKO's ProFoam-R has all the same design features and critical application uses but in addition to the ProFoam, features a rinse functionality. Like its counterpart, it is a piece of ready-to-install equipment, built with a smooth, ergonomically designed wall mounted system which offers easy installation with a need for any specific tools.

The hose uses industrial grade materials and is certified for use in food industries, included the cleaning of foodstuffs transportation. Made of 5 layers it includes a layer in polyester for additional lifetime and a blue PVC exterior layer that is anti scuff.

Designed to generate a rich creamy foam, similar to the shaving cream, to maximize the contact time. Reduces water and chemical waste thus preserving the environment and reducing operational costs.

### Advantages

- High-quality, dry foam
- Optimal working time for the foam on the surfaces
- Lower water consumption
- Needs no additional power supply
- Certified EN1717

### Features

- Working temperature up to 40°C
- Working pressure of air and water from 2 to 6 bar
- Dilution ratio from 1.5% to 22%
- PVC cover: HACCP compliant, smooth, ergonomic and robust
- Food grade high quality hose, foam lance and rinse nozzle
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance, hose rack and tank holder



# ProMulticlean

## Wet Foam System

As with the rest of the SEKO Foam range, ProMulticlean is a chemical foam generator that constantly and automatically mixes the right amount of chemical to generate a very good dry foam for deep disinfection for cleaning of vehicles that regularly transport foodstuffs, livestock and frozen or chilled goods. Suitable for use with 2 chemicals, ProMulticlean also comes with BA device.

The hose uses industrial grade materials and is certified for use in food industries, included the cleaning of foodstuffs transportation. Made of 5 layers it includes a layer in polyester for additional lifetime and a blue PVC exterior layer that is anti scuff. Available with optional BA disconnecter.

## Advantages

- High-quality, dry foam
- Optimal working time for the foam on the surfaces
- Lower water consumption

## Features

- Working temperature up to 40°C
- Working pressure of air and water from 2 to 6 bar
- Dilution ratio from 1.5% to 22%
- PVC cover: HACCP compliant, smooth, ergonomic and robust
- Food grade high quality hose, foam lance and rinse nozzle
- Installation kit included and complete with mounting and suction accessories, inlet hose, discharge hose, lance, hose rack and tank holder



# Foam Cannon

## Professional Canon

SEKO's Foam cannon is a pressurized mobile system with essential characteristics making it simple and practical, which produces a rich and thick foam. In the case of Foam Cannon, the chemical is premixed with water to create the cleaning or disinfection solution. Then the system needs only a constant connection to compressed air to operate. Equipped with a lance and dosing tube, the Foam Cannon comes in 24 or 50 litre models and is available in both stainless steel and painted versions.

Pressurized mobile system, simple and practical, which produces a rich and thick foam.

### Features

- The chemical is premixed with water, the system needs only the compressed air, constantly connected to operate
- Equipped with lance and dosing tube
- 24 or 50 litres models available
- Stainless steel and painted versions available
- Working pressure of air 8 bar
- Not connected to the water supply, no special certifications needed



# ProFoam HP

## Manual foam gun

Useful and economical spray unit for efficient cleaning or disinfection.

ProFoam HP Foam Blade can generate dry foam for cleaning and disinfection with your pressure washer. Works on high pressure water network only.

### Features

- Supplied with adapter and swivel
- Operating pressure 200 bar
- Max Pressure 220 bar
- Flow rate 25 l/min
- Temperature 60°C
- Tank 2 liters
- Empty weight 570 g



### Advantages

- It simply installs to the nozzle of the pressure washer
- The foam is therefore more intense and dense

### Usage tips

Rinse with clear water daily after use to keep the strainer clean and allow proper operation of the barrel.

# JetNeat

## Portable dilution in your hand

The JetNeat system, the fastest, easiest, most convenient and suitable solution to wash, sanitize and rinse surfaces.

JetNeat is composed from a spray gun with a quick connector and a venturi with a chemical tank built-in which can be applied at the exit of it.

Connected to the water tap by a flexible hose, the trigger gun is able to rinse thanks to a fresh water powerful jet.

Once the venturi is quick applied at the outlet of the gun, the JetNeat can produce a mixing solution that can be sprayed or foamed based on the model and chemical used.

## Fits the need

JetNeat is a suitable solution for a variety of applications, and by combining the various elements, an ideal solution can always be found.

Can be used around car wash premises for washrooms and catering points finishing or difficult to access points.

### Features

- Chemical tank made in PP for chemical and physical damage resistance
- Light weight gun easy to use with brass nickel plated connector
- Strong PP body with built in venturi and brass nickel plated connection



JetNeat  
2.5 Litre



JetNeat  
1.4 Litre

### JetNeat

Max Pressure: 6 bar

Min Pressure: 1.8 bar

Max Temperature: 40°C





# Proportional Spray Systems, Accessories & Reels

Providing the flexibility to meet the needs of every possible business type is part of SEKO's approach.

In any operation, there will always come a time where what is available as standard just won't do, and so there is a need for options to make a tailor made system. This also may include additional pieces of kit that make the operation run more smoothly or more efficiently.

## Applications

- Roll Over Car Wash
- Manual Car Wash
- Transportation Cleaning



# Proportional Dosing System

Providing the very best guarantee of accurate dilution for detergents or disinfectants, SEKO's proportional dilution system injects product always directly in proportion to the volume of water which flows through the dispenser, regardless of the variations of pressure or flow rate that may occur.



## Advantages

- Works without electricity or compressed air
- Generates true proportional dosing
- Built in by-pass for rinsing
- Few moving parts

## Proportional Pumps

D25 Series - 2500 l/hr - Aflas Joint for Alkaline

## Dosage

- 0.07 - 0.2% • 0.2 - 0.5% • 0.2 - 1.6% • 0.5 - 2% • 1 - 5%
- 1 - 10% • 5 - 20%

## Compact proportional pumps

Range D07 - 700 l/hr - Joint Aflas for alkaline product

## Dosage

- 0.15 - 1.5% • 0.8 - 5%

Other configurations are possible. Please contact us for further information

# Accessories



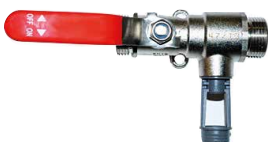
## Mobile trolley INOX

- Specially designed for mobile applications of our spraying and foaming systems
- Food grade frame, handles and wheels



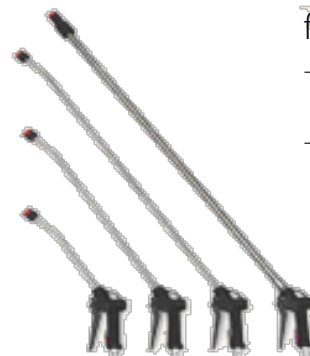
## Anti-shock gun with foam lance

- Protection foam lance + lance foam + cap



## AC Valve

- Prevents contamination of the drinking water system
- Easily accessible valve
- ACSE Certified
- Complies with EN1717



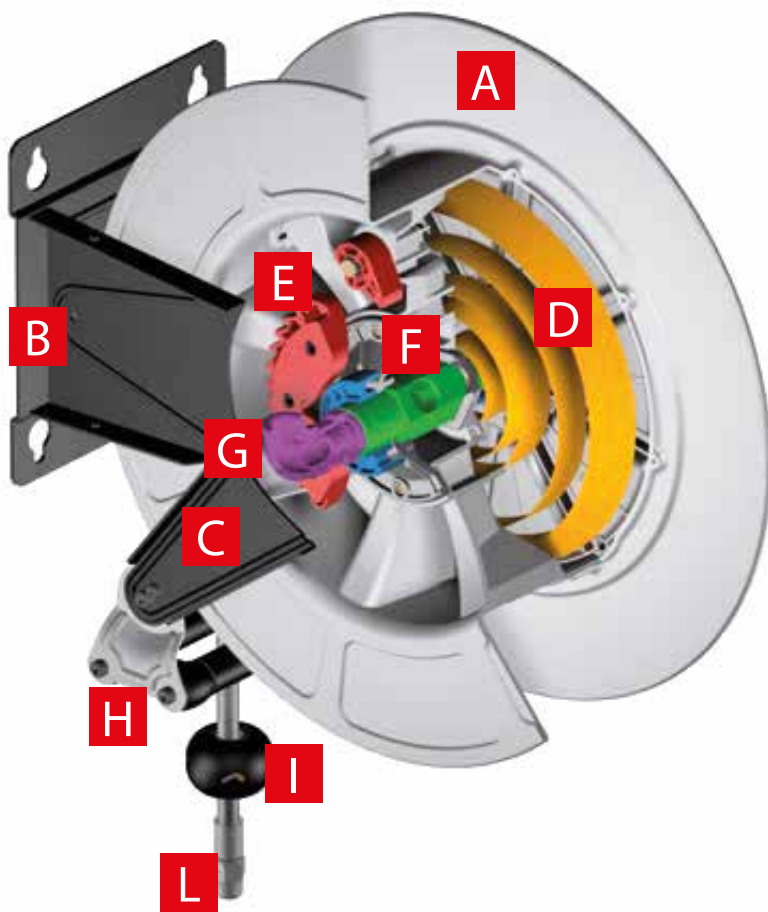
## Anti-scratch lance for PULV system

- Stainless steel equipped with spray handle
- Lance available in 30, 60, 90 cm and telescopic 1 to 2 meters

# Automatic reel, manual, stainless or plastic

## Automatic retractor: the quick and simple solution to store hoses

Recommended for applications in contact with water and in demanding environments, the automatic winder helps create a clean and ordered working space. Automatic hose reeling is quick and safe, and the hose is protected against wear.



### Advantages

- A Drum: Solid and practical in 18-10 stainless steel and impact resistant ABS.
- B Attachment and Arm: Stainless steel 18-10
- C Adjustable arm that helps feed out the hose dependent on the installation
- D Fully enclosed and protected reel spring
- E The auto stop system means you can fix the length of the hose.
- F Self-lubricating, solid and corrosion-resistant brass holder
- G Swivel fitting in brass
- H Self-lubricated hose guide: wide multi-channel opening
- I Adjustable stop
- L "NITO" quick coupling

Reels are a practical solution to overcome space constraints as the winding mechanism ensures the hose is always pulled back out of the way. The reels also prevent undue wear and breakage of the hose. Several options are available depending on the model: hose length, dilution kit 1 or 2 products, spray guns, drum holder, pivoting support and backplate.

### Fixed support

The solid and compact fixed mount built into the reel comes with eyelet attachment holes for easy and secure installation. Using the template provided means fixing holes can be easily pre marked for neat installations. .

### Swivel stand

An option that allows a quick and easy installation of the reel as well as a right and left rotation.

# Pro Reel Premium

Stainless steel winder



## Features

- It can be installed on a vertical or horizontal plane
- Optional stainless steel swivel bracket for easy hose use
- Blue “food grade” hose available in 10 or 15 meter lengths
- Integrated dosing kit option for 1 product or 2 products

# Pro Reel Premium Evo

Stainless Steel Reel Drum ABS

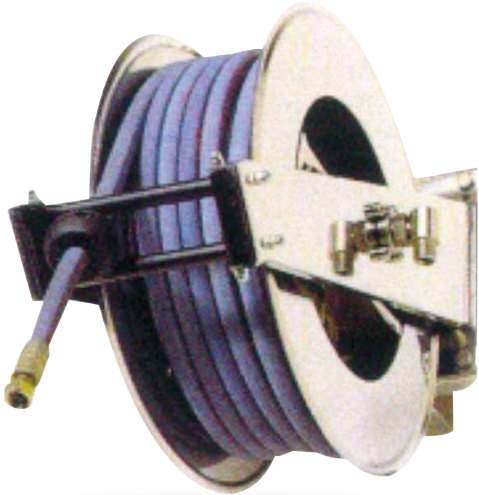


## Features

- Meets HACCP requirements
- Light, hygienic
- Cleaning hose blue “food grade” or black “industry grade” 10 or 15 or 20 meters
- Integrated dosing kit option for 1 product or 2 products

# Pro Reel Industry

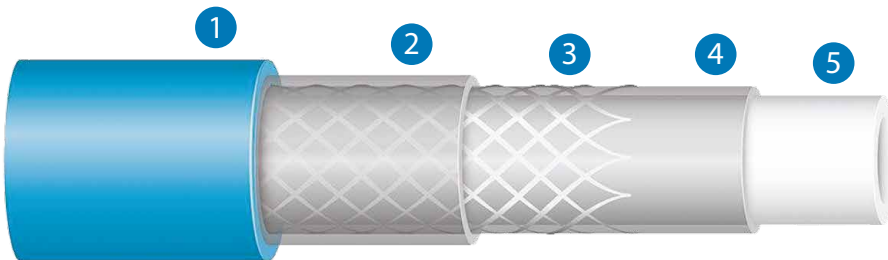
## Stainless Steel Reel



### Features

- It can be installed on a vertical or horizontal plane
- Optional stainless steel swivel bracket for easy hose use
- Without or with hose 15 or 20 meters
- Option Swivel bracket for 15 or 20 meter retractor

## Pipe Characteristics



Resistant hose up to 70°C at 20 bar


- 1 Light non-marking, grease-resistant, light blue exterior coating
- 2 Intermediate layer of adhesion in soft PVC
- 3 Polyester textile reinforcement
- 4 Intermediate layer of adhesion in soft PVC
- 5 White interior in soft PVC

### Thermoclean AI 20 Advantage

Evolution provided by the dual layer design and overlap compared to the old single-layer design:

- Improved flexibility thanks to an adjusted internal wall thickness (white layer which brings the temperature resistance) and the introduction of a more flexible crystal layer
- Optimized chemical resistance due to the concentration of protective agents in the blue layer instead of being dispersed throughout the entire hose





## Side channel compressors and vacuum pumps

SEKO's range of side channel blowers are an effective solution to for air displacement in many applications

Side Channel blowers are the first choice in many automation projects for applications requiring large volumes of clean, dry air at low pressures and vacuums. SEKO has sought to deliver a product that offers easy installation as with our other products but also offers low operating noise levels in a small light weight design with operational energy saving in mind.

### Applications

- Roll over dryer mechanisms
- Manual vacuuming systems
- Centralised vacuuming systems

# Blowers

## Side channel compressors and vacuum pumps

Side channel blowers work according to an impulse principle, or regenerative flow. This means that kinetic energy from a rotating impeller is transferred to the pumping medium and converted into pressure. The impeller is mounted directly on the motor shaft for frictionless compression and, together with the specially shaped housing, forms the side channel. The pumping medium is sucked in, compressed in the side channel and conveyed to the second stage after one rotation.

Here, it is compressed again before being discharged. This way a side channel blower can be used to generate both vacuum and blast air. The motor rated power determines the maximum differential pressure of the blower. Silencers fitted to the inlet and discharge sides ensure quiet operation while maximum operational reliability, even at high differentials, is ensured by having the bearings outside the compression chamber.



New variable frequency drive allows maximum performance of a common motor driven unit to be improved by 300%. The precision machine tool cutting, ensures the accuracy and quality, of the blower. All products go through a strict mechanical and electrical performance test, using PROE, UG, CAD and other computer aided design software and motion simulations that test all the design features prior to final manufacture.

Dual frequency (50/60HZ) and wide voltage can meet almost all the voltage levels in all regions of the world, while the external design of the bearing, can bear high working temperature, and improves the reliability and service life of the blower.

Aluminium alloy one-time die-casting molding, machining parts completed in the cutting process, ensure accuracy improvement of traditional technology. The impeller design increases performance versus competitor products of 20% while its IP55 class protection (class F insulation) makes it suitable for applications worldwide.

### Features

- No wearing parts
- No lubrication required
- Minimum maintenance
- Silent operation
- Smooth air flow
- Can be mounted in any direction, with reduced footprint and installation costs

# Blowers

## Side channel compressors and vacuum pumps



### Operating principle

The impellers are mounted directly on the motor shaft for non-contact compression entirely without friction. Maximum operational reliability, even at high differential is ensured by the arrangement of the bearings outside the compression chamber.

The gas is taken in through the Inlet. As it enters the Side Channel, the rotating Impeller imparts velocity to the gas in the direction of rotation. Centrifugal force in the impeller blades accelerates the gas outward and the pressure increases. Every rotation adds kinetic energy.

Resulting in the further increase of the pressure along the side channel. The side channel narrows at the rotor, sweeping the gas off the impeller blades and discharging it through the Outlet silencer where it exits the side channel blower.

### Single Impeller

Flow rate:	from 40 to 1370 m <sup>3</sup> /h
Pressure:	from 70 to 480 mbar
Vacuum:	from -60 to -340 mbar
Motor:	Single or 3-Phase
Noise:	from 46 to 71 dB A



### Double Impeller

Flow rate:	from 47 to 2050 m <sup>3</sup> /h
Pressure:	from 240 to 820 mbar
Vacuum:	from -200 to -500 mbar
Motor:	Single or 3-Phase
Noise:	from 58 to 84 dB A



### Triple Impeller

Flow rate:	170 m <sup>3</sup> /h
Pressure:	1050 mbar
Vacuum:	-730 mbar
Motor:	3-Phase
Noise:	72 dB A







# Your Choice, Our Commitment

People choose to do business with SEKO for one or more reasons, but ultimately it is their choice, and therefore they merit our commitment. "Our commitment" is total and not only to our customers, but also to each other and the Company's to its employees.

## Vision

**TO BE YOUR PARTNER OF CHOICE FOR  
DOSING SOLUTIONS, GLOBALLY**

SEKO, is a passionate, dedicated Global Family of Professionals. We listen to each of our Partners and are committed to deliver the right solution in the Hygiene, Water Treatment and Industrial Process markets.

## Values

**MUTUAL RESPECT, QUALITY AND  
SPIRIT OF COLLABORATION**

### MUTUAL RESPECT

Mutual Respect because doing business is about being able to generate trust between Customer and Supplier. We'll deliver against our commitments, on time and in a transparent fashion, so you know can plan for your own business needs.

### QUALITY

Quality for SEKO is a 360° reality. It covers not only the design, development, production and delivery of our products and solutions but it runs through the core professionalism of our teams.

### SPIRIT OF COLLABORATION

Spirit of Collaboration is fundamental to our success and SEKO prides itself on how we work as a worldwide team, blending multiple country teams and functions to bring solutions to a Customer request or market need from an idea to the real world in very short time, across our global presence and beyond.



## Your Choice, Our Commitment

In the modern Globalised world, being a privately owned Company has significant benefits especially for our Customers, our Partners. For over 40 years, SEKO has developed a Global organisation able to take the longer view, manage the pressure of the now, and to plan for the long term, delivering true Partnership for our Customers, with transparency and mutual respect for each other.

Whether it's for our reknown flexibility, our attention to detail, the high-quality products, or just the way we do business, we understand that it's Your Choice to do business with us. It is Our Commitment to fulfill your needs wherever you, our Customers are.



For more information about our portfolio, worldwide locations, approvals, certifications, and local representatives, please visit [www.seko.com](http://www.seko.com)



As part of a process of on-going product development, SEKO reserves the right to amend and change specifications without prior notice. Published data may be subject to change.