



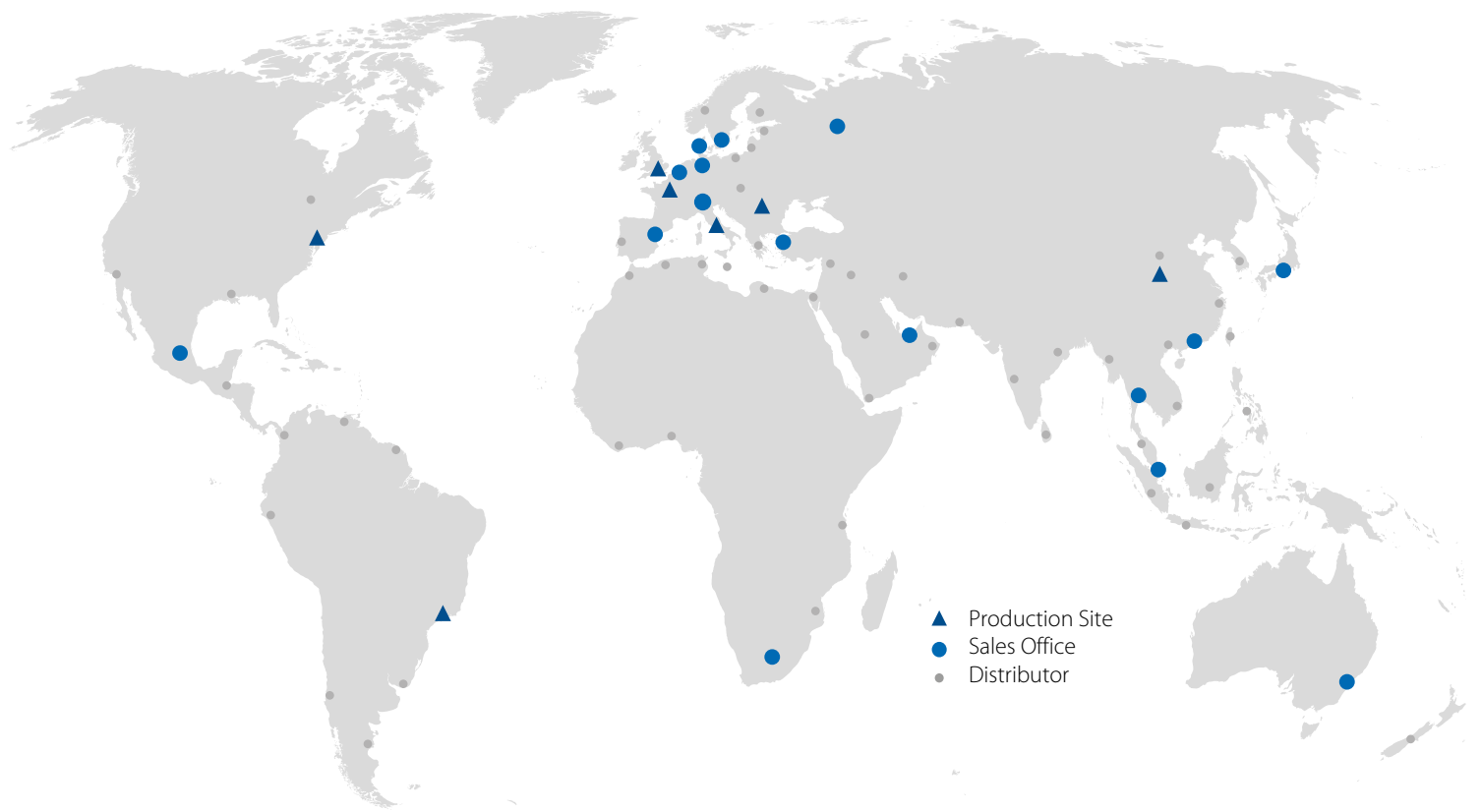
Solutions for **Car Washing**



Your Choice,
Our Commitment

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Globally Present, Locally Active

A Worldwide Group at your service

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.**

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.

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.

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 environment

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.

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.

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.

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:

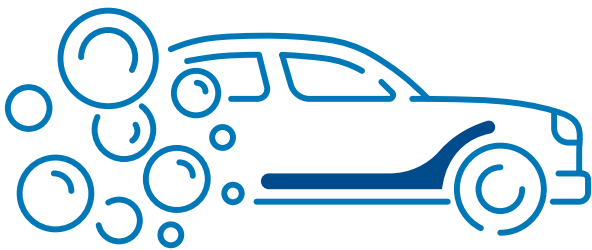
Retail Activity

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

\$15 Billion in North America[#]

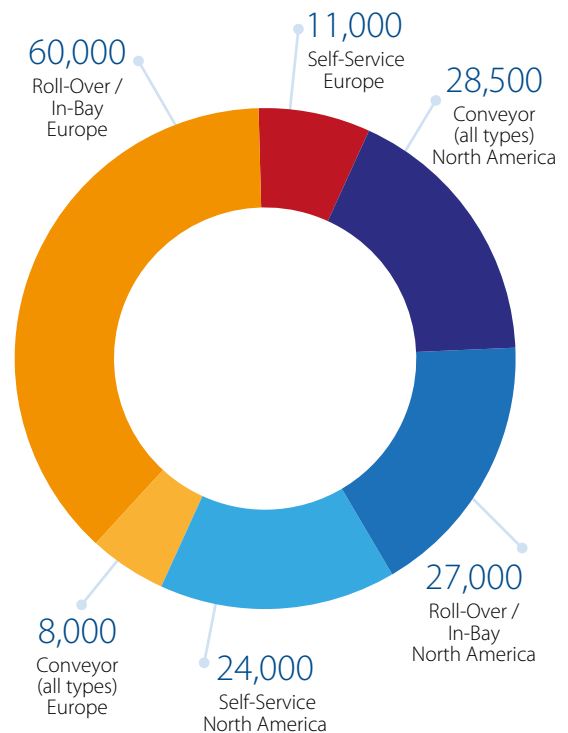
€5 Billion in Europe[#]

[#]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 close-up, low-angle shot of a car's rear end inside a car wash. Large, dense red brushes are visible on the left and top, creating a sense of motion and pressure. The car's rear light is illuminated, and the license plate area is visible. The background is dark and industrial.

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

Solenoid Driven Pumps

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 to 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

Tekna

Solenoid Driven Pumps

Clever

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

- 5 models that cover 0.4 - 110 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 Car Wash applications
- The use of Ceramic balls as standard improves the pumping reliability and the chemical compatibility of the whole liquid end

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

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).

Invikta

Solenoid Driven Pumps

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 certificated 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





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

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.



ProMax - Certifications



Low maintenance

Reduced service calls

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

Easy to operate

- 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

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

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 mechanical seal, elastomer free technology for full chemical compatibility
- Auto-activating venturi requires no downstream restriction to create back pressure
- Backflow prevention offers effective protection while minimizing flow restriction

ProMax

Accurate dilution at the push of a button



Patented technology

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

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 14 l/m)
- Floor Scrubber (flow rate 30 l/m)

Pro Max Flex Gap

Pressure: 1 - 9 bar

Grey venturi

Flow rate: 4 l/min

Dilution ratio: 2.4:1 - 625:1

Yellow venturi

Flow rate: 14 l/min

Dilution ratio: 4.9:1 - 1000:1

Blue venturi

Flow rate: 30 l/min

Dilution ratio: 24.2:1 - 2000:1

Pro Max Air Gap

Pressure: 1 - 9 bar

Grey venturi

Flow rate: 4 l/min

Dilution ratio: 3.13:1 - 417:1

Yellow venturi

Flow rate: 16 l/min

Dilution ratio: 7.80:1 - 1429:1

Features

- 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
- Flow rate 4 - 30 l/min

ProMax C

Accurate dilution at the push of a button

ProMax C 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 C, SEKO has produced the perfect solution for all institutional and light industrial chemical dilution applications.



Features

- Robust design for increased reliability
- 4 product selector valve uses a mechanical seal, elastomer free technology for full chemical compatibility
- Auto-activating venturi requires no downstream restriction to create back pressure
- Backflow prevention offers effective protection while minimizing flow restriction
- Low maintenance thanks to smart design
- Auto-locking connection
- Auto-activating venturi
- Optional cartridge filter for poor water conditions to reduce water related service calls
- Customisable panels projects your company image
- No external stick on labels to peel or run from wear or unsightly chemical and water damage

Patented technology

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

Pro Max C Flex Gap

Pressure: 1 - 9 bar

Grey venturi

Flow rate: 4 l/min

Dilution ratio: 2.4:1 - 625:1

Yellow venturi

Flow rate: 14 l/min

Dilution ratio: 5.6:1 - 1250:1

Blue venturi

Flow rate: 30 l/min

Dilution ratio: 22.4:1 - 5000:1

ProMax C

Accurate dilution at the push of a button



Mandatory or not?

The European directive EN1717 gives guidelines on how backflow preventers should be designed and classified but is not prescriptive. Being compliant with EN1717 is meaningless if not backed by a certified device. EN1717 is a non-mandatory European directive, while certification and local interpretation of the requirements of the directive, is mandatory.

Differences between Flex Gap & Air Gap

There are different types of backflow preventers, which are chosen according to the specific installation and the degree of protection required based on the risk of any liquids polluting the potable water network.

The ProMax backflow preventers are called “free flowing”:

- AD (better known as Air Gap), is a physical air gap, requiring more maintenance than others, offering a higher level of security covering dangerous liquids up to category 5, which includes bacteria.
- DB (better known as Flex Gap) is a membrane backflow preventer which requires less maintenance than an A-Gap but covers liquids only up to category 4 such as chemicals.

Evolution of certification ProMax

ProMax was originally designed for the US market, and was certified for connection to potable water networks according to local standards: ASSE, UPC, ANSI / ASME and CSA.

Such was the success of ProMax that it rapidly found customers across the rest of the world. SEKO has therefore worked to ensure that it obtained certifications across a number of countries.

The ProMax C version with the F-Gap and certified for EN1717, means SEKO is able to offer full certification for the following European authorities: DVGW (Germany).

ProMax & ProMax C

Features

Robust and durable Auto-locking connection
PP enclosure

Cartridge Filter

The optional head filter, enhances filtration where needed in troublesome water conditions reducing service calls.



The filtration is independent of the number of units in line.

4 product selector

The newly designed 4 product selector valve has no O rings and is elastomer free. It offers the highest resistance to the widest range of chemicals.

External tip seat

The product suction fittings are located outside, where the tips are also inserted.

- Accurate dilution rates
- Select from a full range of supplied metering tips



Auto-locking connection

..... Tamper proof

housing and activating mechanism



..... Magnetic solenoid type activating valve

The large membrane activation ensures perfect operation, up to 9 bar pressure and 70°C

Venturi Flex Gap Version

The Flex Gap is equipped with a patented backflow preventer device, minimizing restriction and ensuring maximum performance.

- Fast connections
- Three colors for three different flow rates:
 - Grey Low
 - Yellow Medium
 - Blue High
- Same size discharge hose for all models
- Single product units can be easily converted to a 4 product model in the field
- Fully interchangeable parts
- Tool free maintenance

Also available in AIR GAP version

- Two colors for two flow rates
 - Grey Low
 - Yellow Medium

ProSink-R

Accurate dilution straight to your sink

ProSink-R is a chemical dispensing system that automatically and consistently mixes the precise amount of detergent and sanitizer with water at the turn of a knob, conveniently filling large sinks with accurate solution.

The ProSink-R features a strong, long lasting and easy to clean rugged stainless steel enclosure that is smooth with no sharp edges and which has the benefit of a customisable front cover. With a direct connection to the water source and no electric power or compressed air needed, it produces accurately diluted chemical simply and quickly with a fill tube.

Offering single or double chemical product options and with a variable flow rate, operators can choose from 15 mixing ratios for accurate, effective dosing. Naturally ProSink-R comes equipped with an ASSE 1055 certified backflow prevention device UPC and CSA standards



Easy Access

Removing the valve knobs it is possible to open the system and access the hydraulic circuit, carry out maintenance and change water inlet direction.

Features

- Ball valve operation
- No need to hold or lock a button
- Smooth and ergonomic surface and customizable front cover
- Rugged stainless steel enclosure
- Strong, long lasting and easy to clean
- Installs easily with 2 or 3 screws
- "Quick connect" manifold to insure fast easy maintenance
- Direct connection to water supply
- Integrated backflow prevention

ProSink-R Flex Gap

Pressure:	1 - 9 bar
Max Temperature:	60°C
Gray Venturi	
Flow rate:	4 l/min
Dilution Ratio:	2.9:1 - 1000:1
Yellow Venturi	
Flow rate:	14 l/min
Dilution Ratio:	5.5:1 - 2000:1

ProSink-R Air Gap

Pressure:	1 - 9 bar
Max Temperature:	60°C
Gray Venturi	
Flow rate:	4 l/min
Dilution Ratio:	3.27:1 - 667:1
Yellow Venturi	
Flow rate:	16 l/min
Dilution Ratio:	7.56:1 - 1667:1





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, it includes a backflow preventer. It has been designed to fulfill basic requirements for possible other uses in food vehicle contact applications. The system can be assembled on a trolley providing portability to its list of features.



Features

- PVC backplate: 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

ProPulv

Max temperature:	50°C
Pressure:	from 2 - 6 bar
Water consumption:	4.2 l/min
Dilution ratio:	from 0.5 - 12.9%

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 can also be a system assembled on a trolley providing portability to its list of features.

The system is connected directly to the water supply. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.



Features

- PVC cover
- 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

ProNet

Max temperature:	50°C
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Pressure:	from 2 - 6 bar
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Water consumption:	7 l/min
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Dilution ratio:	from 0.4 - 20.8%
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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 can benefit from being assembled on a trolley providing portability to its list of features.

The system is connected directly to the water supply. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.



Features

- PVC cover
- 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

ProDual

Max temperature:	50°C
Pressure:	from 2 - 6 bar
Water consumption:	4.2 - 7 l/min
Dilution ratio:	Wash 0.5 - 12.9% Rinse 0.4 - 13.4%

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 is connected directly to the water supply. The systems offers reduced maintenance costs thanks to quick and tool-free replacement of consumable parts such as the injectors or valves.



Features

- 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

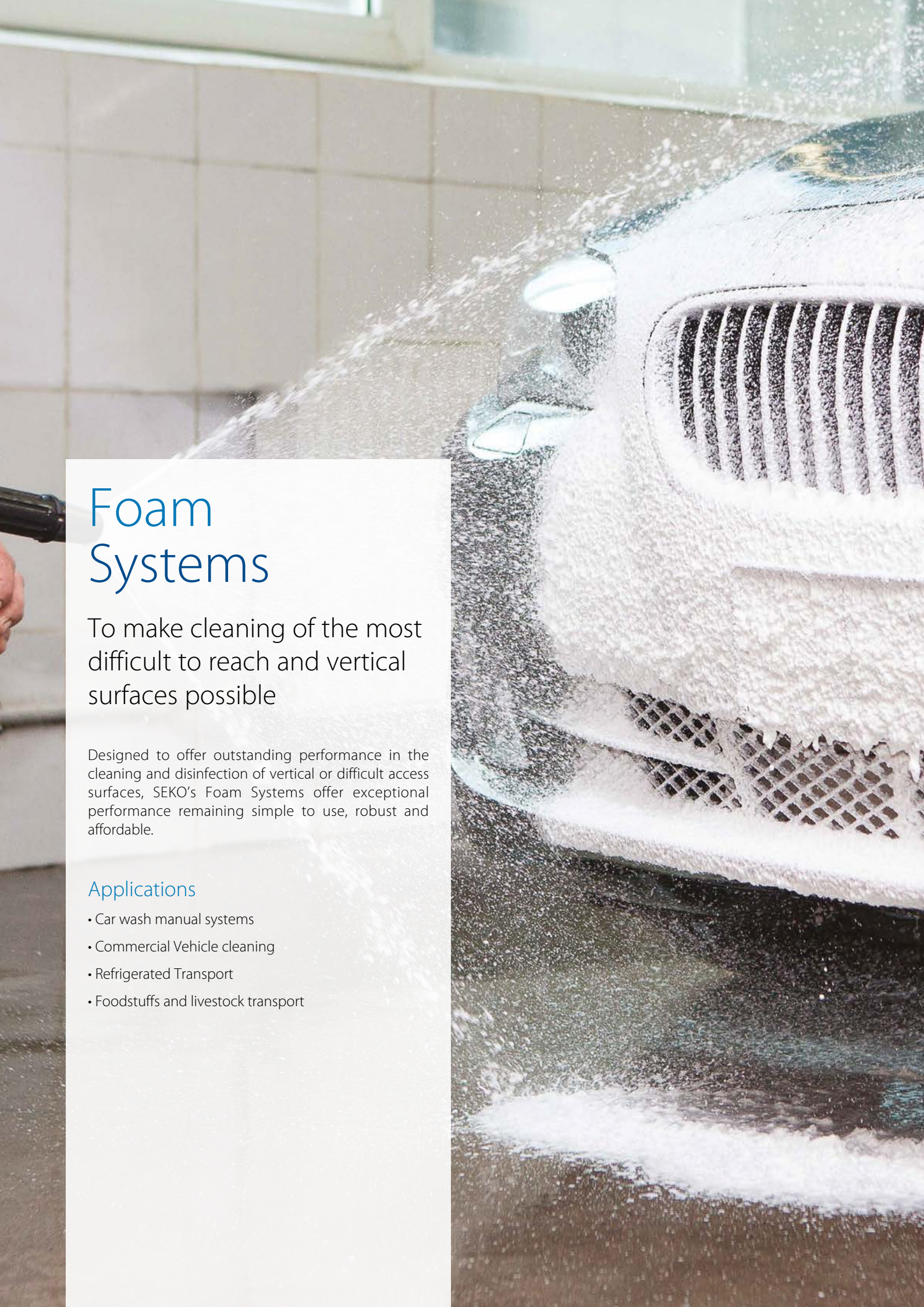
ProAcid

Max temperature:	20°C
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Pressure:	from 2 - 6 bar
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Water consumption:	4.2 l/min
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A close-up photograph of a car's front grille and headlight area being sprayed with a thick, white foam. The foam is being applied from a nozzle, creating a dense, textured layer over the car's surface. The background shows a tiled wall and a window.

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.

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.



Features

- 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
- Multi-layer hose, improves flexibility and chemical resistant, see page 44 for further information

ProFoam

Max temperature:	40°C
Pressure:	of air and water from 2 - 6 bar
Dilution ratio:	from 1.5% - 22%

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

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.



Features

- 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
- Multi-layer hose, improves flexibility and chemical resistant, see page 44 for further information

ProFoam-R

Max temperature:	50°C
Pressure:	of air and water from 2 - 6 bar
Dilution ratio:	from 1.5% - 22%

Advantages

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

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 an optional 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.



Features

- 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
- Multi-layer hose, improves flexibility and chemical resistant, see page 44 for further information

ProMulticlean

Max temperature:	40°C
Pressure:	of air and water from 2 - 6 bar
Dilution ratio:	from 1.5% - 22%

Advantages

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

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

Foam Cannon

Working air pressure: 8 bar

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
- Tank 2 liters
- Empty weight 570g

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.

ProNet

Max temperature:	60°C
Flow rate:	25 l/min
Pressure:	220 bar

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.



JetNeat
2.5 Litre

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
1.4 Litre

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.

JetNeat

Dilution Ratio:	1.10:1 - 250:1
Pressure:	1.5 - 6 bar

Ball Booster

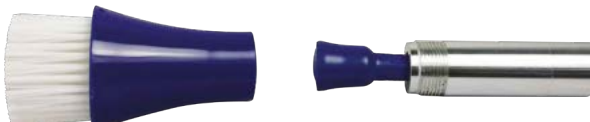
Cleaning Gun

The 'Ball Technology' works with a special kind of 'ball' instead of a metal tube. Because of this, the gun can be used with 4 bar air pressure instead of 6 or 7 bar needed for traditional guns. The new high-tech motor guarantees less down time. After years of research, finally, a cleaning gun that gets the job done without mechanical failures, arises.



Features

- Removable brush
- 360° swivel connector (easier to put on horizontal surfaces and better movability in the vehicle)
- 1 litre bottle
- Bottle lid with extra thread to fit our Tex-Spray bottles (600 & 1000 ml)
- Only 4 bar (58 psi) required compared with all other cleaning guns using 6 to 8 bar
- Produces less noise
- Ultra-reliable and high-tech motor with bearing assembly



Ball Booster Extractor

Wet/Dry vacuum cleaner adaptor

The Extractor is mounted on the Ball Booster using one of the adaptors supplied, it connects to the hose of a wet/dry vacuum cleaner. The injection of product at high pressure (compressed air) detaches the dirt immediately. At the same moment, the wet/dry vacuum cleaner sucks up the dirt solution.

When you switch off the water/cleaning chemical of the cleaning gun, only compressed air is then blown out, which again is sucked back in for quick drying of the surface. The result is a perfectly clean and fast drying surface. Fantastic results for in-depth cleaning of carpet and seat upholstery.



Fits the need

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

- Interior of cars, motorcycles, boats
- Vent holes and airconditioning
- Dashboard
- Carpets (textile and synthetics)
- Around car and back seats
- Around gear stick
- Beneath car hood and gate stops
- Glove and storage compartments
- Wheel rims

Features

- Safe: users do not inhale the vapours of the waste product
- Fast drying surface
- Better results than injection/extraction machines





A close-up photograph of a car wash brush, showing the curved, metallic bristles on the left and a powerful spray of blue water on the right. The background is blurred, emphasizing the mechanical components and the water spray.

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/h - 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/h - 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



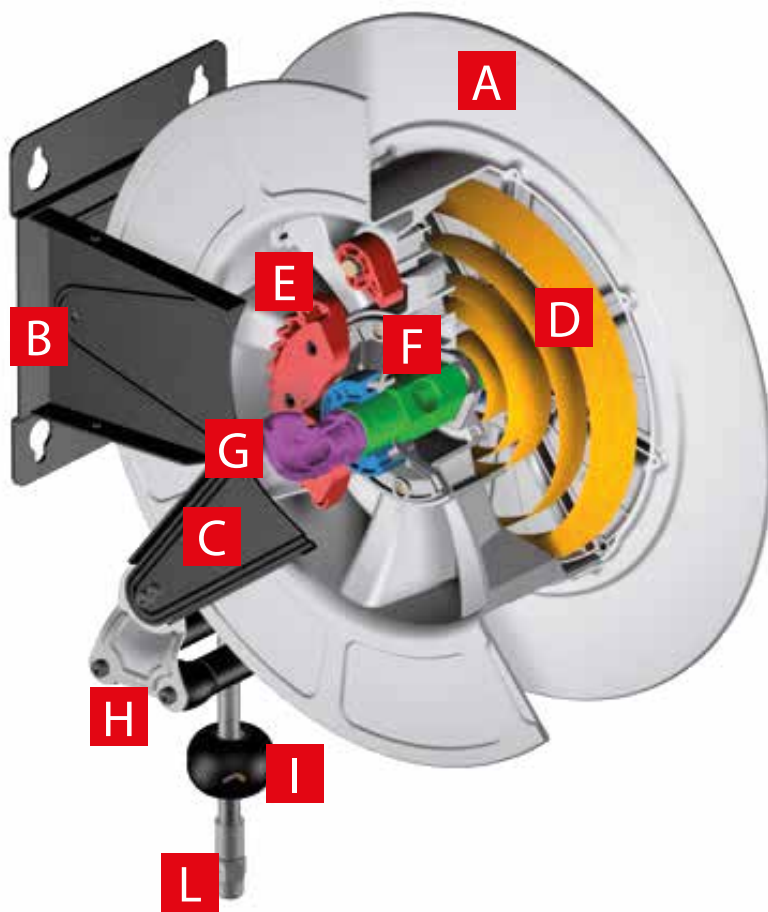
Anti-scratch lance for PULV system

- Stainless steel equipped with spray handle
- Lance available in 30, 60, 90 cm and telescopic 1 - 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, 15 or 20 meters
- Integrated dosing kit option for 1 product or 2 products

Pro Reel Industry

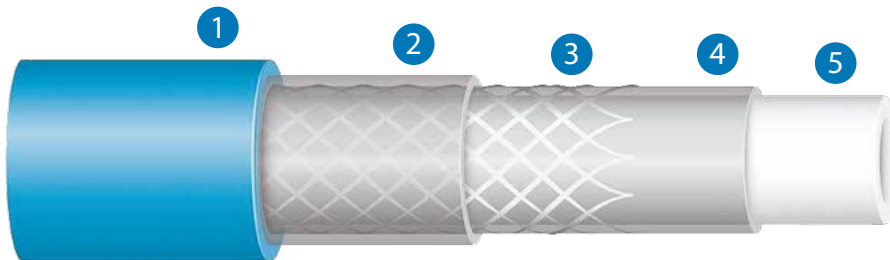
Stainless Steel Reel



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

Multi-layered Hose



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 ³ /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 ³ /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 ³ /h
Pressure:	1050 mbar
Vacuum:	-730 mbar
Motor:	3-Phase
Noise:	72 dB A

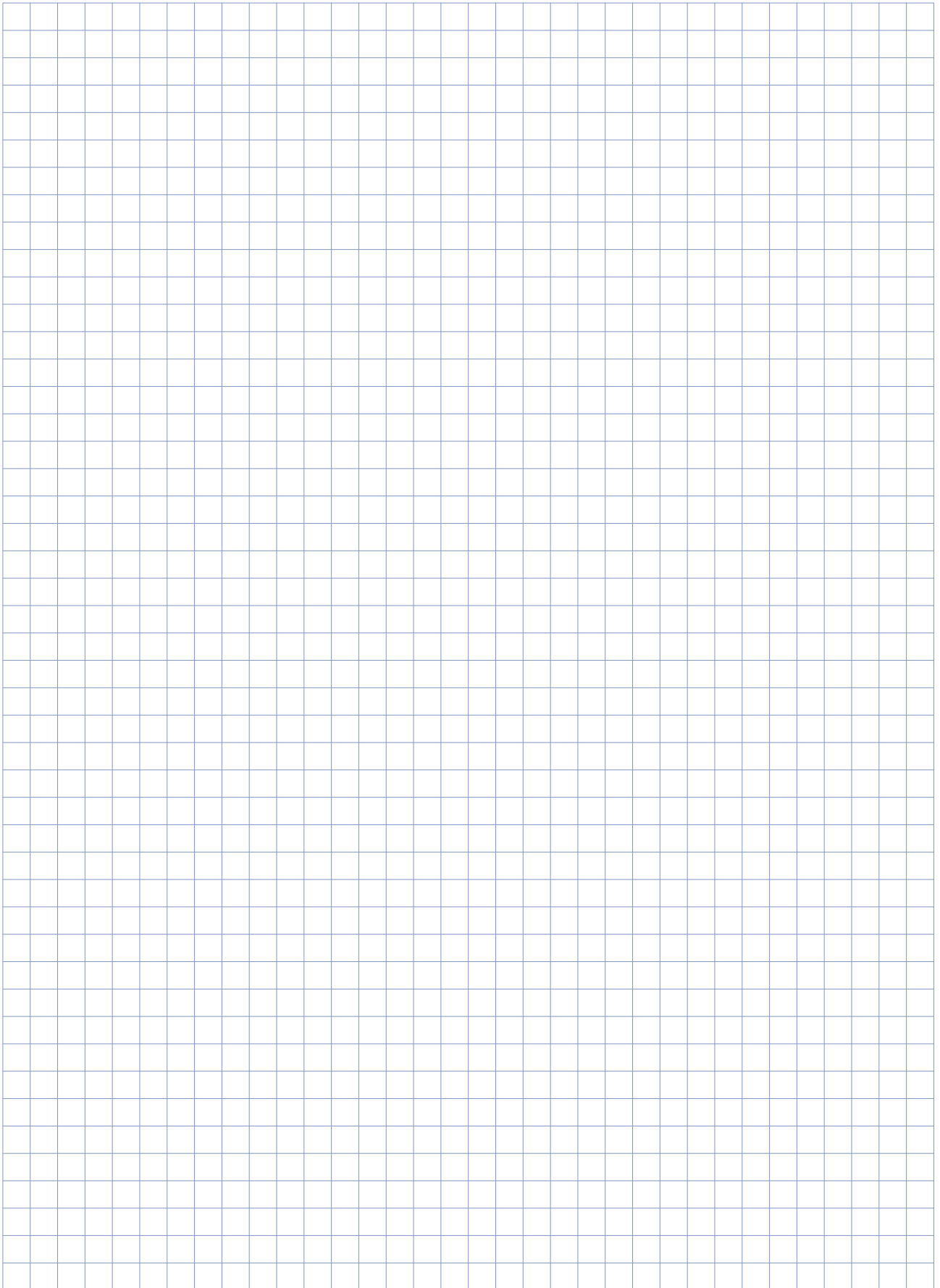




Notes



Notes



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 renowned 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



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