

# AKTIVA FMP

Centralized Dosing and Cleaning Equipments



## An experienced and reliable partner for Dosing and Injection pump package solutions

Since 50 years Seko has linked its success to a wide range of industrial fields by supplying complete dosing pumps and packages throughout the world.

Seko develops its own projects to best solve metering and pumping problems relating to different fluid properties and plant operating conditions. Products designed, manufactured and commercialized by Seko - Group Worldwide.

### Committed to customer satisfaction

Seko, as a technological leader, partners each individual customer from the preliminary stage of the project through to the ordering, design, manufacturing and after sales technical assistance.

SEKO develop its own products to answer to complexity of dosage and regulation for all fluid's property and process linked

AKTIVA KLP is team work between our R&D linked with our production and based on our experience and our partnership with our customer.



### Application areas

The main industrial application areas for the Dosing / injection packages designed and produced by Seko are:

- Water treatment (municipalities, wastewater)
- Industrial sectors (steel, ceramics, food & beverages, detergents, paper, textile and pharmaceutical industries)
- Energy (boilers, desalination, cooling towers, environment)
- Petrochemical
- Oil & Gas (on-shore, off-shore, FPSO).
- Surface Cleaning & Hygiene
- Industrial Cleaning & Hygiene

### Organization Services & Logistics

A network of subsidiaries, agents and distributors around the world completes the range of technical and commercial services provided in the most interesting areas for the industrial applications of the "packages" supplied by Seko.

Components for the systems construction are purchased via our world-wide logistic platform as per the contract vendor list.

All systems, pumps and controllers manufacture by SEKO are our property and cover a large range of performance

**SEKO AKTIVA FMP** enables Kitchen & Little food industry to reach HACCP method and quality. End user obtains high hygiene quality with cost savings and environmental friendly. **Choose SEKO AKTIVA FMP to work as a “CHEF”.**

Low pressure systems should be preferable for operators health.

**AKTIVA FMP** is made up of three main components that together meet high demands of capacity, performance and quality.

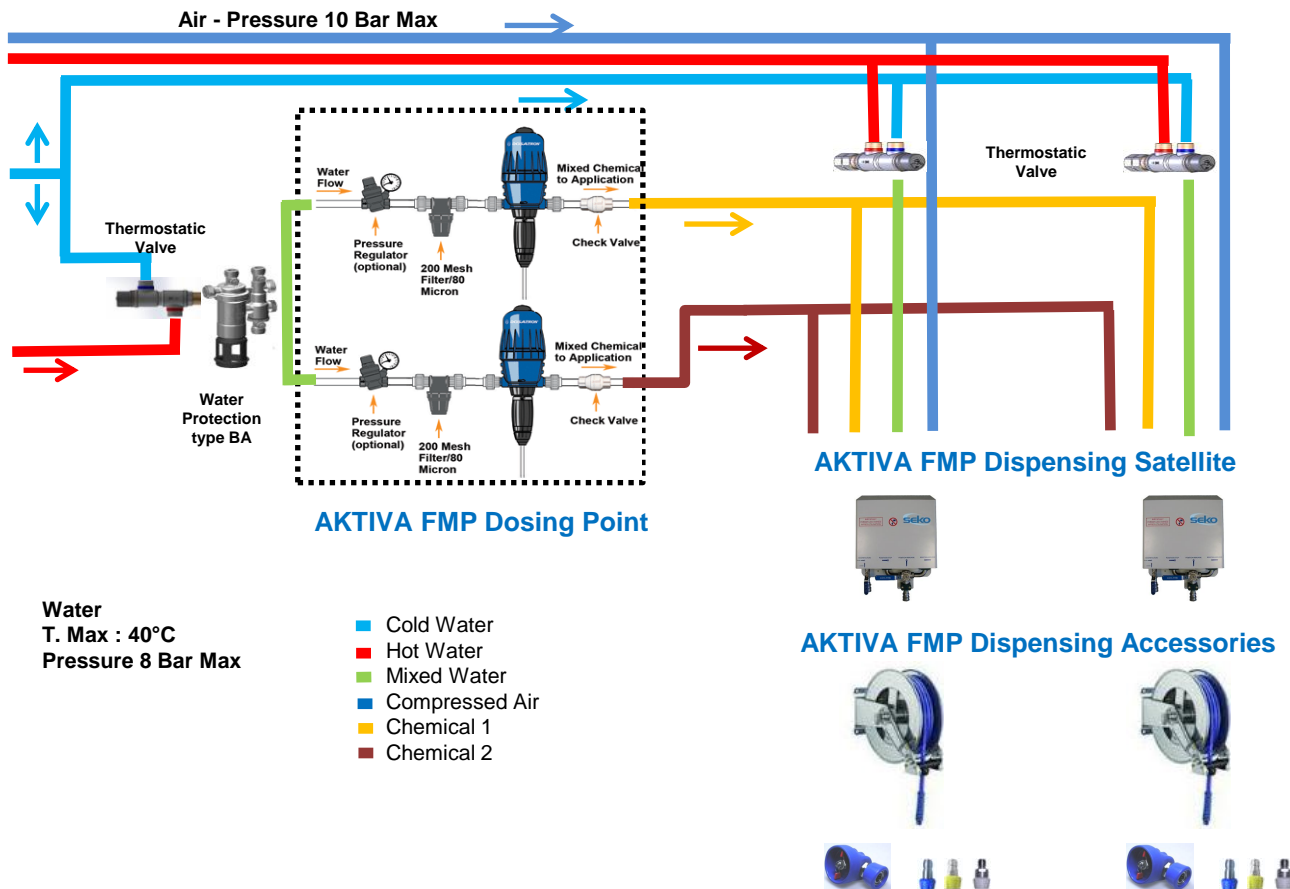
By combining the components in **AKTIVA FMP**, various types of **AKTIVA FMP Chemical Dosing Point** connected to our new **AKTIVA FMP Dispensing Satellite** and **AKTIVA FMP Dispensing Accessories**.

Kitchen and Little Food Industry Manufacturers can reduce their cleaning costs. These savings and decreased environmental impact are achieved thanks to reduced use of hot water (using Thermostatic valve), chemicals and less wastewater generated. Its also saves time for operators to clean up in a fast way. Main water supply provide the correct pressure and flow, **AKTIVA FMP Chemical Dosing Point** supplies right concentration, where needed, for simultaneous users. **AKTIVA FMP Chemical Dosing Point** is normally placed in a central location.

Pipes and hoses then run throughout the factory feeding all **AKTIVA FMP Dispensing Satellite**.

Each **AKTIVA FMP Dispensing Satellite** is connected with **AKTIVA FMP Dispensing Accessories** as hose reel with hose for water, chemicals and disinfectant. Attached are spray guns and pre-cleaning nozzles.

**AKTIVA Chemical Dosing Point** and storage of chemicals to enables safe handling with no concentrated chemicals in the production areas. Benefits for the end user, he is not on direct contact with concentrates. Also avoid direct contact of chemical with Food.



# AKTIVA KLP - Chemical Dosing Point

Seko develops a full range of **Chemical Dosing Points** to bring you solutions to your needs

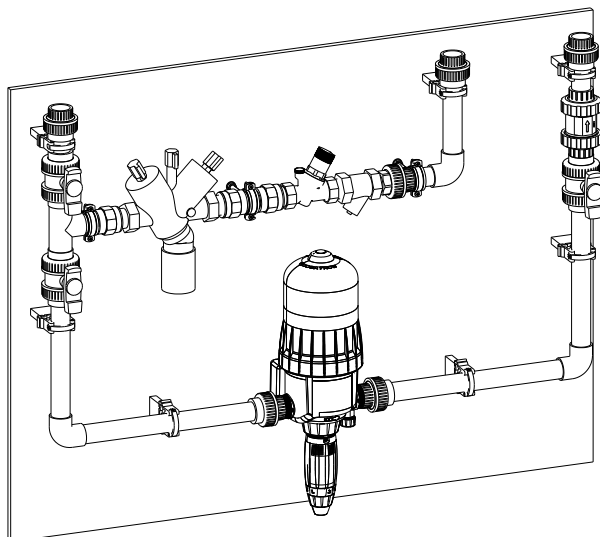
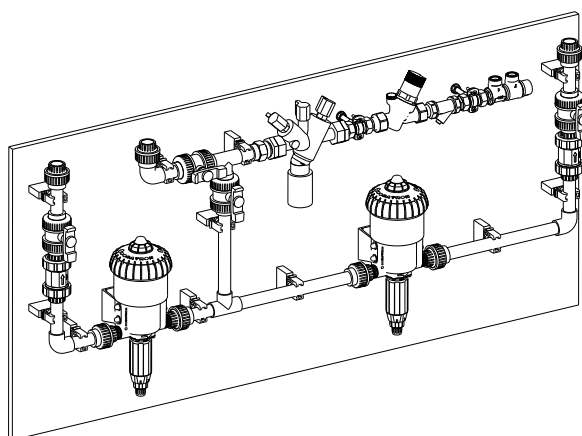
SEKO created full dosing solutions « Ready to Install » .

Professional Installations : Food & Beverage Chemical Dosing Points,K.

Modular solutions: Panels, Cupboard or Little SKID.

Technician save times on installation

Various working fluids in the area of Food & Beverage Industry



## Dosing Panels with Water Powered Proportional Dosing Pumps

PANEL

Back plate  
Pressure Reducer  
Filter  
Mixing Valve  
Water Protection

Proportional Pumps

Flow rates: 2.5 m<sup>3</sup> - 3 m<sup>3</sup> - 4.5 m<sup>3</sup> - 8 m<sup>3</sup>

Dosing rate: 0.05 to 25%

## Benefits :

High dosage accuracy of chemicals/disinfectant  
Cost Control System  
Optimized Environmental impact  
Optimized End users Health  
No touch chemical system  
Reduce and Easy maintenance

## « A la carte » Systems

Modular Solution for Easy & Professional intallations

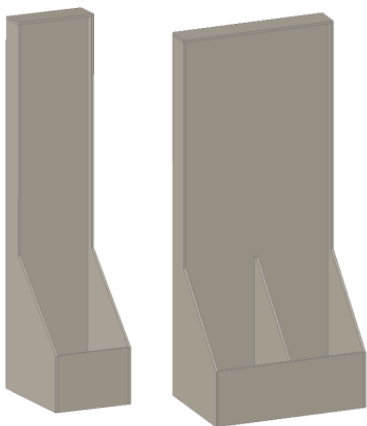
Versions for1, 2 Can of 20 / 30 litres completely separate

PPH Dosing SKID – Large Chemical compatibility.

Thickness 10 mm - Shock resistance and High Stability

Bac de rétention étanche

Double Welding Belt Inside and outside



# AKTIVA FMP – Dispensing Satellite

Seko develops a full range of **Dispensing Satellite** to bring you solutions to your needs

SEKO created full Dispensing solutions « Ready to Install » .

Professional Installation - Delivery point HACCP design.

Clear Screen Printing

Technician save times on installation

Various Possibilities:

Spray / Rinse satellite – Spray / Foam / Rinse satellite



## Technical Specification

Water connection: M1/2" external ball valve  
Solutions connection: M1/2" external ball valve  
Air connection: M1/2" internal ball valve  
Inlet water pressure: 1.5 bar and max. 15 bar  
Air pressure: 5-10 bar, min. 200 l. free air



## Benefits :

- Cost Control System
- Optimized Environmental impact
- Optimized End users Health
- No touch chemical system
- Reduce and Easy maintenance
- Strong Conception



# AKTIVA FMP - ACCESSORIES

SEKO choose carefully and had designed a full range of strong accessories

## Thermostatic Valves :

### **Legionnaires' disease preventive and permanent Solution.**

In parallel of the Sanitary Hot Water 's preservation superior temperature of 65°C in all the network, Thermostatic Valves must be put as close as possible to distribution points.

Inlet DN 15 Flow rate 33 l / mn at 3 bar

Inlet DN 20 Flow rate 42 l / mn at 3 bar

Regulation from 30 to 50°C

Max. Pressure: 16 bars

Max. Temperature 100°C



## AUTOMATIC S/ST HOSE REEL AND SWIVEL BRACKET

The hose reels are a Handy and Robust solution for problems of space With the hose reel, hose rewinding is quick and safe (Spring loaded), for an orderly workplace. Operators work in total security in a clean and tidy place

The hose reel safeguards against wear and possible breakage of the hose themselves as the hose does not drag on the floor

Stainless steel - Hygienic material

Saves time, cost of spare parts and increases hygiene



## Stainless Steel Chemical Can Holder

Simple and strong built in Stainless Steel wire

Various capacity : Available for can of 5, 10 or 20-30 liters tank

## Stainless Steel Shock-proof Spray Gun

- Low pressure spray gun with adjustable jet from the trigger
- Light and easy to use
- Soft plastic housings shockproof and non stainable
- Completely sealed case to avoid dirt stagnation.

Max Pressure: 24Bar

Max Temperature: 80°C



## Stainless Steel Shock-proof Wand

Simple and strong with outlet quick coupler for heavy duty

## Stainless Steel Protected Ball Valve –

Outlet Protected Quick Coupler



Blue Nozzle To Rinse



Yellow Nozzle To Spray



White Nozzle For Foam

# AKTIVA FMP – Dispensing Satellite

## Pumps and Systems for Industrial Applications:

For heavy duty applications, installations where a more precise dosing or the chemical consumption is very high SEKO may offer a wide range of Solenoid Driven Pumps, Motor Driven Pumps and accessories that allow to build a customised system by yourself.

**TeknaEVO series** is a constant or proportional flow rate solenoid driven pump, with analogic or digital interface.



- PVDF liquid end for a perfect chemical compatibility
- 5 year life tested diaphragm for reduced maintenance
- Easy to clean ceramic double ball valves;
- easy to program thanks to state-of-the-art programming menu
- easy to install thanks to the double installation bracket supplied as standard in each pump for wall or foot mounting;
- Pumps are supplied with all accessories including Injection nozzle, foot filter and suction / delivery tubing.

**SPRING series** is motor driven pumps SPRING series featuring a spring return mechanism

### Plunger piston

Standard Piston material is SS316 or ceramic.

Packing can be chosen among different materials: Elastomers, PTFE.

### Mechanical Diaphragm

A zero-leakage solution, safe and economical for low pressure dosing applications.

Mechanical diaphragm pumps are available with PTFE diaphragm.



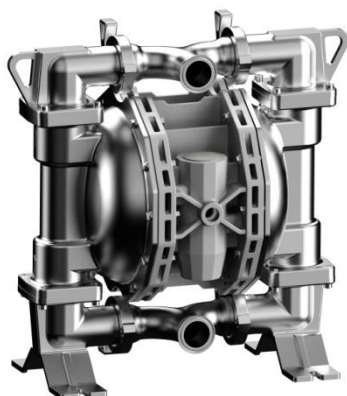
**Accessoires de Dosage :** Seko dispose d'une gamme complète d'accessoires de dosage pour le traitement des eaux en IAA.



Measurement  
Instrument & Probes

Mechanical & Electro-magnetic  
Flowmeters

Tanks and Mixers



Double membrane pneumatic pumps range **Duotek FOOD**, can be used for liquids transfer for F&B, thanks to his characteristics .

**Duotek FOOD Pumps** are manufactured with FDA materials certified (Stainless Steel 316 & PTFE ).

Parts in contact with liquids are electropolish.

This pumps can transfer high viscosity liquids with Max temperature of 95°C.

## A Worldwide Group at your service

Seko is an International Group, developing, manufacturing and delivering its products in more than 50 countries, through its subsidiaries and an extended network of distributors, agents and authorized dealers.

Seko is a leading manufacturer of dosing pumps and dosing systems with more than 40 years experience. This long activity allowed Seko to acquire a vast experience in diversified applications and to confirm its international success in many industrial fields through the supply of reliable solutions for the dosing, injection and transfer of liquids.

## OUR GOAL:

To supply innovation based, complete hygiene systems to the Kitchen and F&B, offering our customers improved competitiveness in:

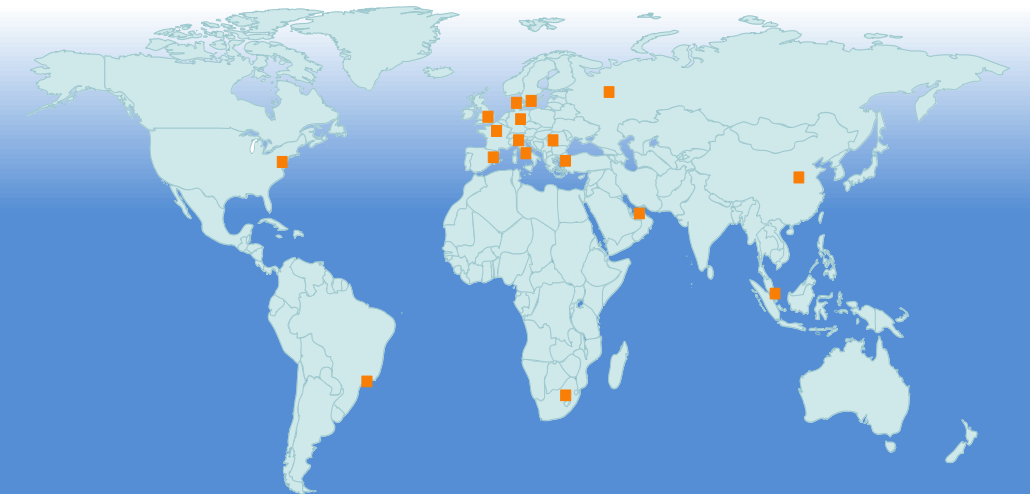
## Cost effective

## Ergonomics and working environment and equipment

## HACCP systems - Food safety

## Traceability / Documentation

## Environmental impact



For more information

**www.seko.com**

