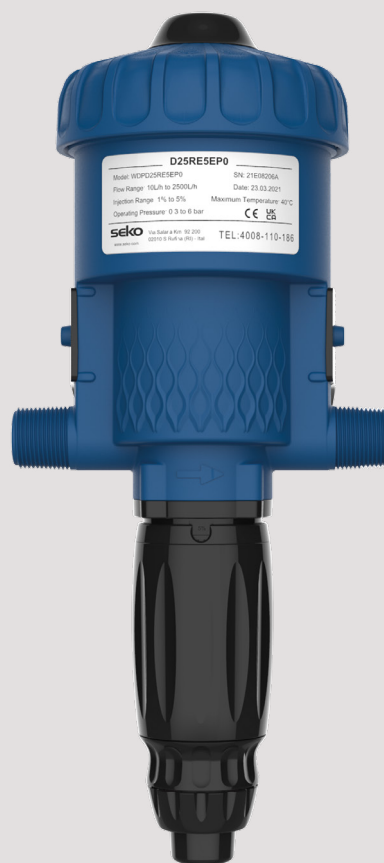




Water & Industry

Hydrakos Water-Driven
Dosing Pumps 2024








Hydrakos

Water-Driven Dosing Pumps



Product Overview

		D25RE020	D25RE050	D25RE100
				
Performance	Flow rate range [l/h]	10 - 2,500	10 - 2,500	10 - 2,000
	Pressure [bar]	0.3 - 6	0.3 - 6	0.3 - 4
Injection Mode	Injection dosage [%]	0.2 - 2	1 - 5	3 - 10
	Concentrated additive injection rate [l/h]	0.02 - 50	0.1 - 125	0.3 - 200

Applications



Municipal Water Treatment



Fertigation



Livestock Farming



Food & Hygiene



Industrial Processes



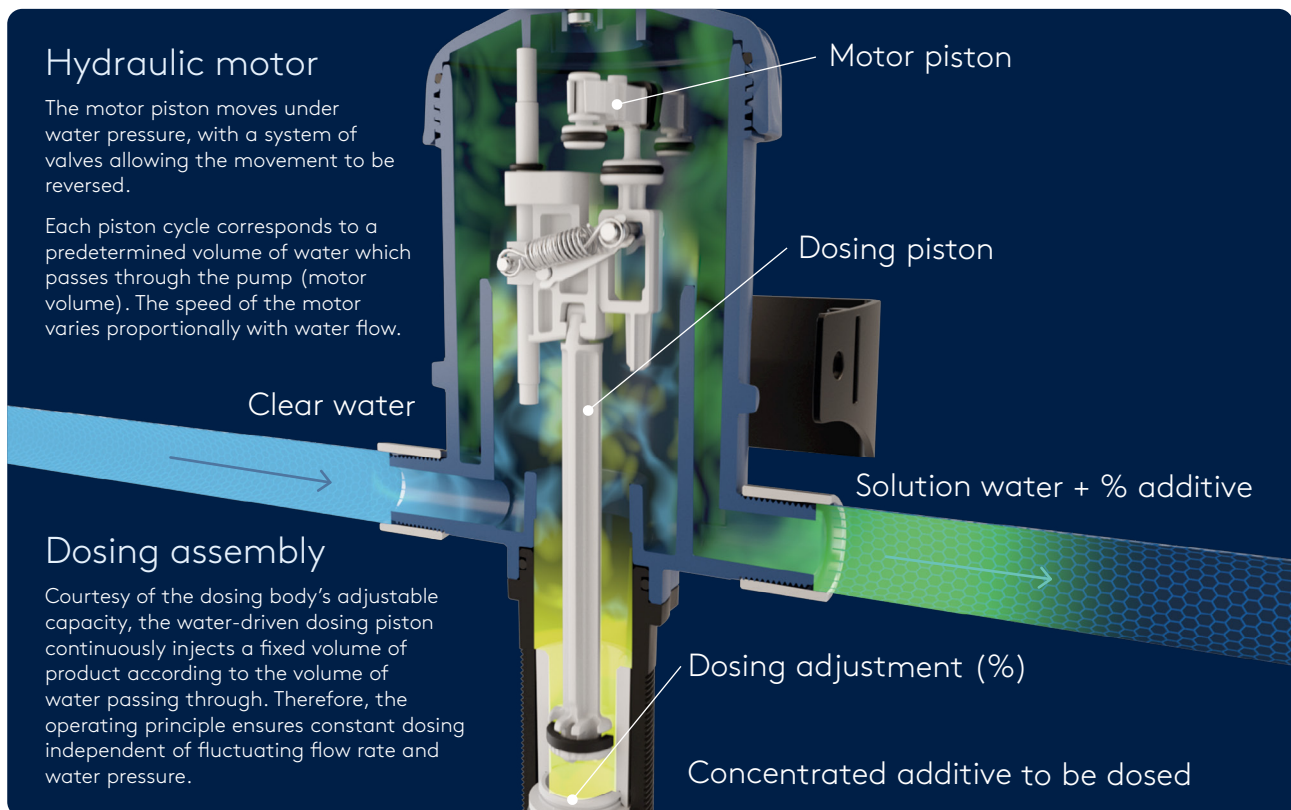
Car Wash

Hydrakos

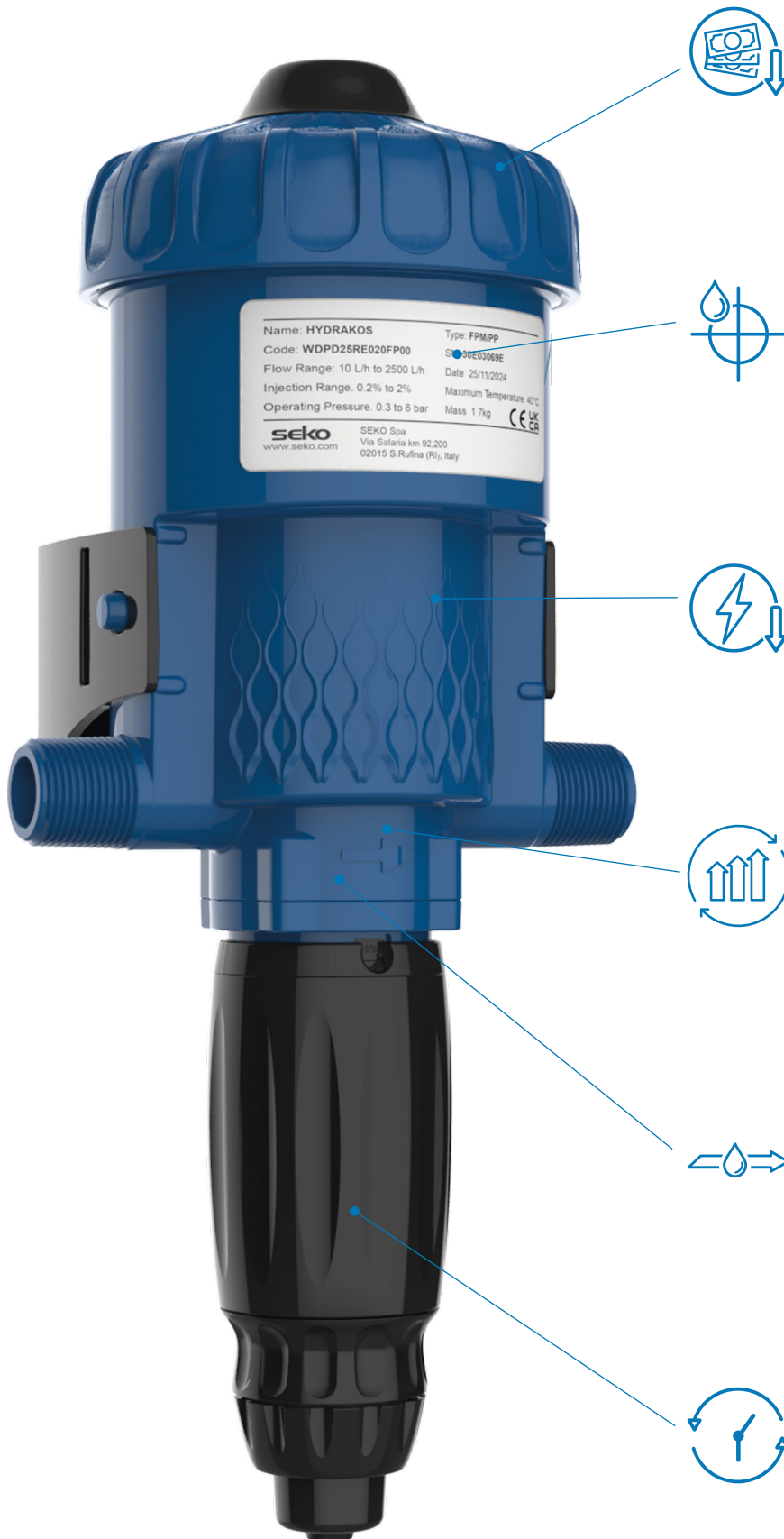
Automatic chemical dosing systems

Water-driven pump technology is based on a hydraulic motor pump activated only by pressure and water flow. Installed directly on the water supply line, the pump operates by using the water flow rate as a source of energy.

The pressure and flow rate of the water actuate the motor piston which drives a second, product-dosing piston. The product is injected and mixed continuously with the water from the mains supply at the selected dosing rate percentage (rate of product/water incorporation). The dose of concentrated product is directly proportional to the volume of water passing through the pump, independent of variations in the flow rate and pressure of the mains water supply.



Features & benefits



Low operating & maintenance costs

Hydrakos's robust components and intelligent design make the system inexpensive to both run and maintain



High-precision, repeatable dosing

Operators can depend upon Hydrakos to dose a range of chemicals with superior accuracy every time



Non-electric

The pump's absence of electrical connection make it the perfect solution for operators seeking to achieve precise dosing even in remote locations



Reduced cleaning and servicing time

The exceptional build quality of Hydrakos allows operators to spend minimal time servicing the system



Self-priming and efficient mixing

Removing the need for manual priming, Hydrakos brings speed and efficiency to every dosing application



Easily regulated injection rate

With an adjustable dosing percentage depending on the selected model, users enjoy ultra-tight control to prevent chemical wastage and associated costs

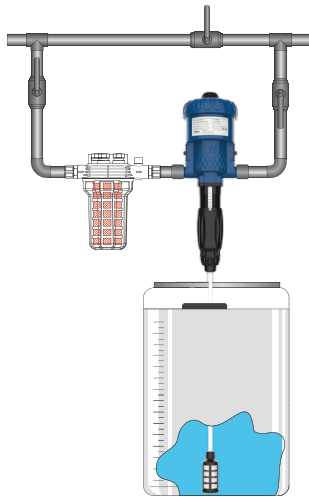
Hydrakos

Automatic chemical dosing systems

SEKO's Hydrakos water-driven pumps are the latest addition to our world-leading range of chemical dosing systems, offering an alternative to automatic solenoid, peristaltic and motor-driven metering to serve a vast range of applications.

Installed directly in the water supply line, the Hydrakos uses water pressure as its power source and automatically mixes concentrated chemical proportional to water volume regardless of variations in flow or pressure which may occur in the main line.

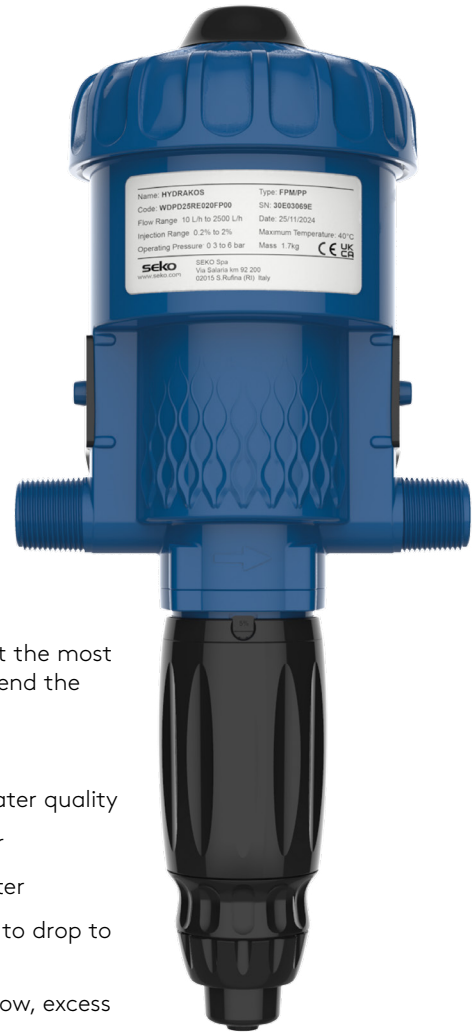
This ultra-reliable dosing method means operators can rely on consistent performance in applications as varied as water treatment, automotive care and industrial processes.



Pump installation

In order to optimise your installation and get the most out of your water-driven pump, we recommend the following guidelines are met:

- Refer to local water regulations
- Install a filter upstream depending on water quality
- Change dosing seals at least once a year
- Rinse as often as possible with clean water
- Turn off water supply and allow pressure to drop to zero before adjusting injection rate
- Install necessary protections for excess flow, excess pressure and water hammer



Features

- Easily regulated injection rate
- Portability (emergency skids)
- Low operating and maintenance costs
- Dose any liquid or water-soluble product
- Precise, repeatable dosing
- Non-electric (energy saving)
- Simple dosage adjustment (in % increments)
- Self-priming and efficient mixing
- Optimal water and polymer consumption
- Reduced cleaning and maintenance time
- Automatic dosing stops in event of water flow ceasing

Specification

Model	D25RE020	D25RE050	D25RE100
Injection Dosage	0.2–2%	1–5%	3–10%
Water Flow Rate*	10–2,500 l/h	10–2,500 l/h	10–2,000 l/h
Pressure	0.3–6 bar	0.3–6 bar	0.3–4 bar
Concentrated Additive Injection Rate	0.02–50 l/h	0.1–125 l/h	0.3–200 l/h

*For other fluids than water, please contact us

Hydrakos key code

Model							
WDP	Water driven pump.						
Type	Pressure	Flow rate	Ø Hydr Connections IN/EXT.	Concentrated product injection rate		Adjustable dosage	
	[bar]	[l/h]	[mm]	[l/h]		[%]	[1:]
	D25	0.3 - 6	10 - 2,500	¾" M BSP-NPT Ø 20 x 27mm	0.02 - 50	0.2 - 2	500 - 50
					0.1 - 125	1 - 5	100 - 20
	0.3 - 4	10 - 2,000			0.3 - 200	3 - 10	33 - 10
Injection dosage							
RE	External adjustable						
	Dosage range	%	1:				
	020	2	50				
	050	5	20				
	100	10	10				
Seals							
	F	FPM					
	E	EPDM					
	A	AFLAS					
Body material							
	P	PP					
	V	PVDF					
Mixing device							
	0	Internal					
Market							
	0	Western					
WDP	D25	RE	020	F	V	0	0



Hydrakos with PP body

- The ideal general-purpose pump
- Broad chemical compatibility
- Suitable for fresh, salt and deionised water
- Commonly used for chemicals as varied as formaldehyde, potassium and sulfuric acid



Hydrakos with PVDF body

- Exceptional chemical compatibility
- Superior thermal stability and resistance to stress cracks
- High corrosion resistance

Globally Present, Locally Active



Twenty-three national SEKO companies across six continents means that, wherever you are, you enjoy the same exceptional level of service as every SEKO customer around the world.

And an accredited partner distributor network allows us to provide local customer support in over 120 countries, so you benefit from region-specific knowledge and rapid delivery of goods as well as world-class after-sales service and technical assistance.

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A world of SEKO in one

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