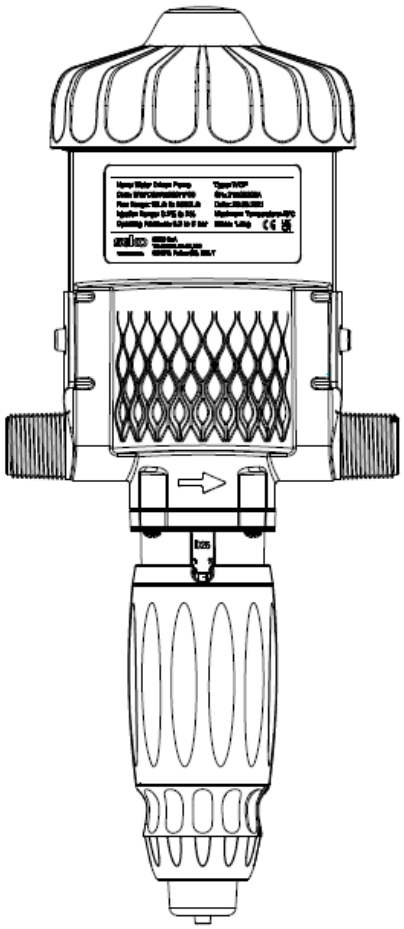
WDP - Proportional Pump
HYDRAKOS D25RE - 2.5 m³/h - 10% - 6 bar



WATER DRIVEN PUMP TECHNOLOGY

Operating Principle

The **HYDRAKOS D25RE** is installed directly in the water supply line, the Seko WDP pump operates by using the flow of water as the power source. The water activates the pump, which takes the required percentage of concentrate directly from the container and injects it into the water. Inside the pump, the concentrate is mixed with the water, and the water pressure forces the solution downstream. The dose of concentrate will be proportional to the volume of water entering into the pump, regardless of variations in flow or pressure, which may occur in the main line.

MAIN SPECIFICATIONS

	D25RE020	D25RE050	D25RE100
▪ Injection Range Dosage:	0.2 – 2%	1 – 5%	3 – 10%
▪ Water Flow Range*:	10 l/h – 2.5 m³/h	10 l/h – 2.5 m³/h	10 l/h – 2 m³/h
▪ Operating Pressure:	0.3 – 6 bar	0.3 – 6 bar	0.3 – 4 bar
▪ Concentrated additive injection:	0.02 – 50 l/h	0.1 – 125 l/h	0.3 – 200 l/h

* For others fluids than water, please contact us

Dosing Technique: Non-electric Proportional

Energy Source: Water flow and pressure

Integrated functions:

- **Metering** - volumetric hydraulic motor
- **Injecting** - continuous proportional injection of liquid or soluble concentrate
- **Regulating** - proportionality servo-controlled by the water flow
- **Mixing** - integrate mixing

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SPECIFICATIONS

General

Maximum operating water temperature	40° C [104° F]
Minimum operating water temperature	5° C [41° F]
Dosing rate	**D25RE020** - 0.1% **D25RE050** - 0.2% **D25RE100** - 0.5%

Other integrated functions

Internal motor filter	NA
Inlet / Outlet	¾" Male BSPT-NPT

Motor

Motor	differential hydraulic piston
Motor capacity	0.4 L
Mixing chamber	integrated

Dosage

Injection	internal at the Inlet

Suction

Self-priming	yes
Maximum viscosity of concentrate	400 cPs at 20° C
Maximum vertical or horizontal suction of concentrate	4 m [13 feet]

Standard material

Housing	Polypropylene or PVDF
Motor piston	Polypropylene, stainless steel
Injection area	Polypropylene
O-Ring	FPM, EPDM, AFLAS

Available options

Seals	F (pH 1-7)	for Acid products, Oil or Pest control
	E (pH 7-14)	for Alkaline products
	A (pH 7-14)	for Alkaline concentrate products
Body material	P	Polypropylene
	V	PVDF
Mixing device	0	Internal mixing (standard version)

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Size

- Package size 430 x 170 x 175 mm
- Package weight 1.5 – 1.7 Kg [PP – PVDF]

Markets

- Environment - Hygiene - Water Treatment - Car washing - Metal processing - Food processing - Graphics Arts - Horticulture - Livestock

Main Applications

- Medications - Disinfecting - Cleaning - Fertigation - Phytosanitation - Lubrification - PH/TH Correction - Sanitation - Flocculation - Printing

Installation

Regulations: refer to local water regulations, prior to install your WDP pump; in order to optimize your installation, we advise as follows:

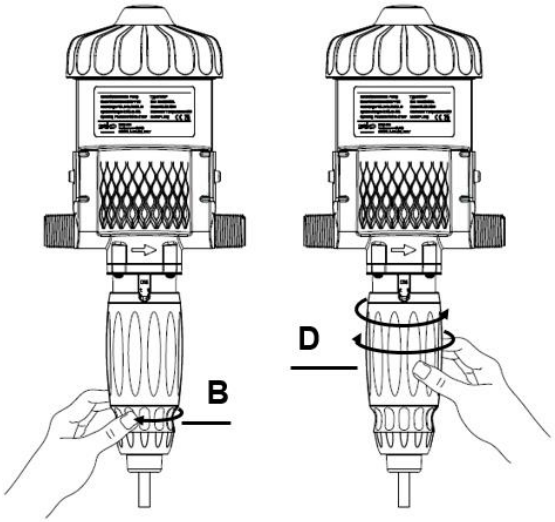
- install a filter upstream, depending on your water quality
- change the dosing seals at least once a year
- rinse as often as possible with clean water
- turn-off the water supply and allow the pressure to drop to zero before adjusting the injection rate
- install necessary protections for excess flow, excess pressure and water hammer

  For all other installation advice, please contact us.

ADJUSTING THE INJECTION RATE

Adjustment must be made when there is no pressure in the pump.

- Turn off the water supply and allow the pressure to drop to zero
- Unscrew the blocking ring **(B)**
- Screw or unscrew **(D)** the adjustment sleeve so as to align the upper part of the sleeve with the set dosage
- Tighten the blocking ring **(B)**



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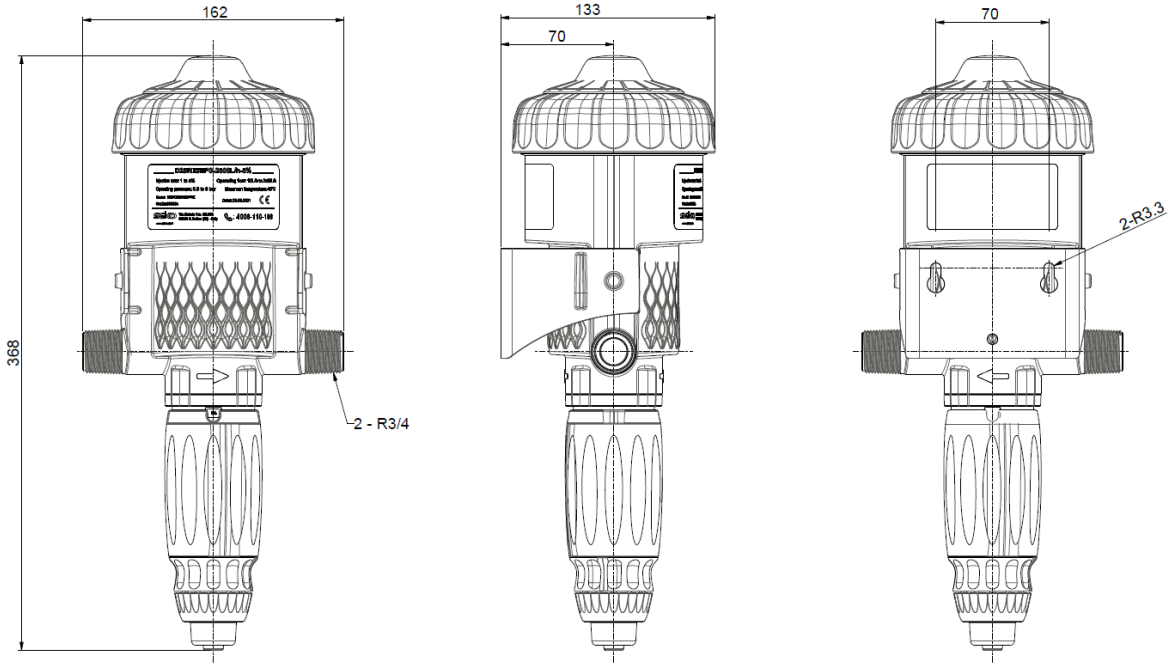
PRODUCTS CODE

family				
WDP	HYDRAKOS Water Driven Pump			
model	Water flow range [l/h]	min	max	
D25		10	2500	
Injection dosage				
RE	adjustable			
range dosage		%	1:	
020		2	50	
050		5	20	
100		10	10	
seals				
F	FPM			*for **ACID** products*
E	EPDM			*for **ALKALINE** products*
A	AFLAS			
body material				
P	Polypropylene			
V	PVDF			
mixing device				
0	internal			***STANDARD***
market				
0				***STANDARD***

WDP D25 RE 050 F P 0 0

DIMENSIONS



Your Choice,
Our Commitment