

# seko

## Tork

Hydraulic double diaphragm dosing pumps  
with full motion mechanisms



Your Choice,  
Our Commitment

# A very high level of precision

SEKO's long standing experience of designing and producing pumps for heavy duty applications has been utilized for the design of the Tork series. It offers an outstandingly flexible pump configuration allowing for customization of the pump even post installation whilst remaining always easy to maintain.

## Mechanisms Mechanical return type available in several sizes

Designed to produce **low noise emissions** and to minimize power consumption. Each mechanism comes complete with an internal gearbox; pumps with different speeds (strokes/min) can therefore be joined, allowing for **greater flexibility** in selecting the pumps themselves. Its high precision stroke adjustment, to an **accuracy level  $\pm 1\%$** , can be **both manually or electrically adjusted** using SEKO designed **electrical actuators**.

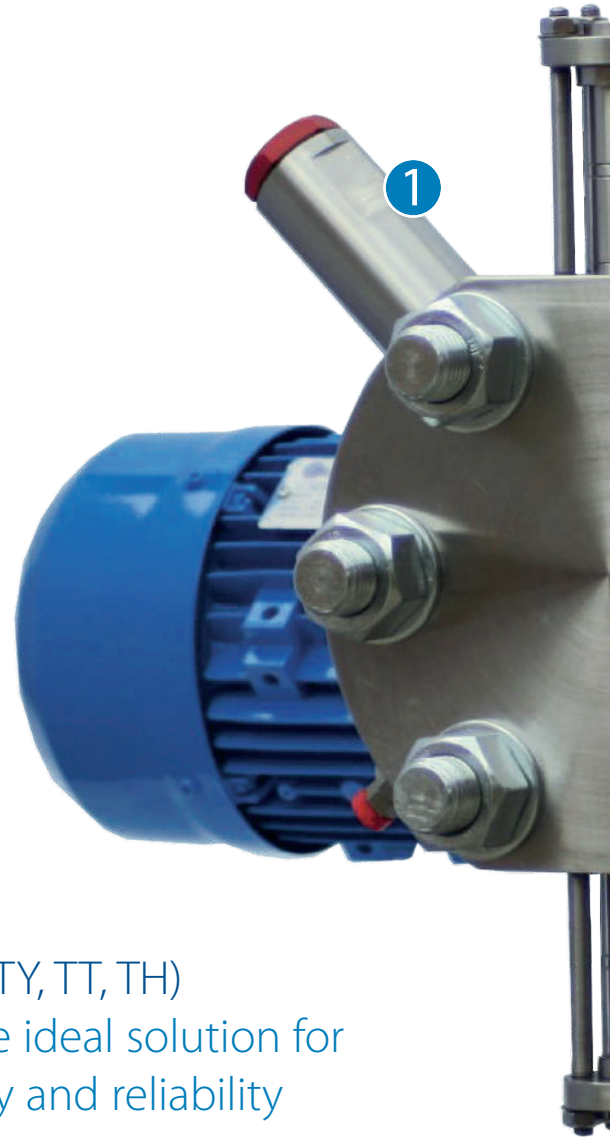
## PTFE double hydraulic diaphragm heads (TY, TT, TH) Double diaphragm, double protection, the ideal solution for applications demanding operational safety and reliability

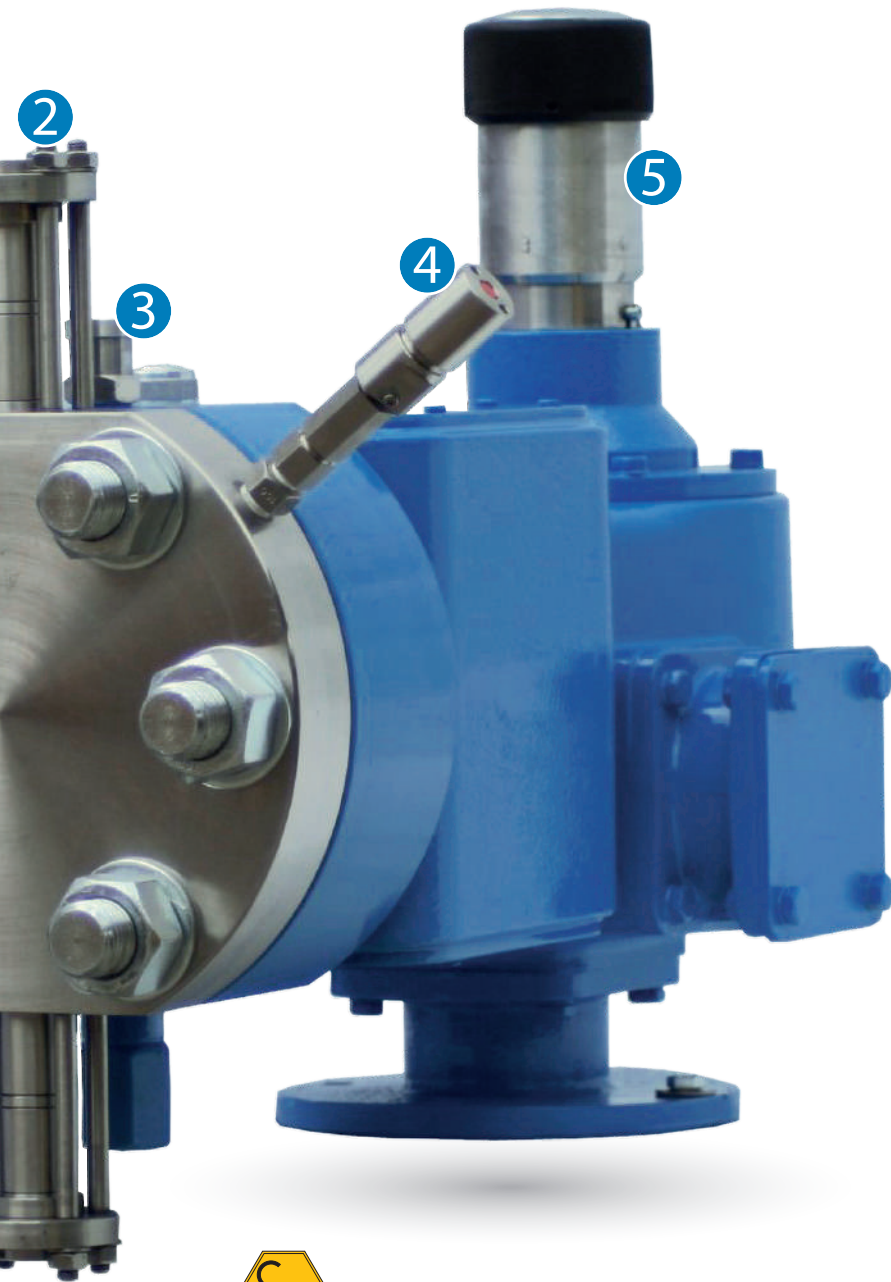
A **zero-leakage profile** offering watertight construction for **dosing toxic, corrosive and other hazardous liquids**; its **double diaphragm protection system** immediately signals the anomaly whilst not stopping the pump from working, thereby **preventing immediate downtime**. Flow rate can be changed by **simply replacing the plunger and relevant seal cartridge** which effects a change of plunger diameter. Manages **solid suspensions** thanks to the diaphragm not requiring **perforated shields** on the process side, which allows liquids containing solid suspensions to be pumped.

A mechanical refilling system maintains a constant hydraulic fluid level, thereby **guaranteeing maximum precision and repeatability**. It also helps manage the eventual deformation of diaphragm thereby increasing its lifespan and **reducing operational costs**.

## A wide range of applications

Suitable for a wide range of water treatment and industrial sector, Stark can effectively be used in any of the following applications: **Municipalities, Wastewater, Chemical, Food & Beverages, Detergents, Power Generation, Environment, Petrochemical, Pharmaceutical, Paper and Textile.**





Certified ATEX  
94/4/CE II 2 G E IIB  
T4 (for Zone 1)

## Accessories

Flow rate calibration pots  
Pulsation dampers  
Safety valves  
Back pressure valves

## Options

Flanged connections  
Heated or cooled heads  
Transmission of the  
diaphragm rupture signal

## 1 Venting system

Aside from guaranteeing automatic venting during operation, the venting system also facilitates pump priming by allowing manually operated air purge.

## 2 Cartridge valves

In order to ensure maximum dosing precision, even for small flow rates, double and triple ball configurations are available with high precision seats. The metal gaskets for the SS316L stainless steel heads, and the FPM gaskets for those in plastic, guarantee maximum compatibility.

## 3 Built in relief valve

Protects the pump against unexpected overpressure.

## 4 Double diaphragm with rupture detector

Should one of the two diaphragms rupture, the detector activates a local visual indicator or signal. In this emergency situation, the pump keeps working and allows for the necessary maintenance intervention to be scheduled.

## 5 Flow rate adjustment

- Easy to handle knob with high visibility nonius for manually operated air purge
- Optionally available automatic variation by electrical actuators AKTUA

## Technical Features

**Flow rate** up to 2065 l/h

**Pressure** up to 200 bar

**Material of pump head** SS 316L, PP and PVDF

**Stroke length** 10/ 25/ 35 mm

**Diaphragm diameter** 12/ 15/ 25/ 30/ 35/ 50/ 70/ 90/ 120 mm

**Motor** 0.18/ 1.1/ 2.2 kW

# 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.

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The SEKO logo, consisting of the word "seko" in a bold, blue, lowercase sans-serif font. The letter 's' is particularly thick and stylized. The logo is positioned in the bottom right corner of the page.