Kosmo

Mechanical-return diaphragm dosing pump

Your Choice,
Our Commitment

SEKO's latest product in the pump sector is Kosmo

A range of electric motor-driven pumps with mechanical diaphragm liquid ends and mechanical return aimed at delivering exceptional performance across a wide range of flow and pressure environments.

Ideal for low discharge pressures

The Kosmo range comprises **two principal models MM1** and **MM2** designed to be compact and robust, Kosmo offers great performance across a wide range of flow rates **as low as 3.5 l/h up to 2300 l/h**. This makes KOSMO ideal for low discharge pressures – for example in **water and surface**, but also in the **food industry in clean-in-place applications**.

Ideal for prolonged, continuous usage

As with all SEKO pumps Kosmo is designed **using materials chosen for their robustness and chemical compatibility** and are **conceived to work for long periods of continuous operation** thanks to the benefits derived from **its variable eccentric system**. SEKO's Kosmo **PTFE diaphragm is directly linked to the mechanism's moving parts** meaning Kosmo can deal with high suction head conditions.

All parts of the **mechanism have permanent lubrication**, using ball bearings for the principal moving parts that helps **prevent overheating and extends the pump life** with the added benefit of a **low decibel operation**.

A wide range of applications

Suitable for a wide range of applications within water treatment but also outside of this arena, Kosmo can effectively be used in any of the following applications:

- Potable water treatment (injection of coagulants, flocculating agents, sodium hypochlorite, lime slurry, acid, bases, caustic soda, activated carbon, etc.)
- Domestic or industrial waste water treatment, boiler feed water, cooling water
- Chemical treatment, electrolytic (electro-plating) treatments: addition of degreasing agents, cleaning agents, nickel electroplating and chemical nickel plating, copper plating, tinning etc.

Kosmo MM1

As with other models in SEKO's range Kosmo MM1 **can be used effectively in applications where multiple heads are required and can be used with up to three identical or different liquid ends.** The pump can handle flow rates of up to 530 l/h at pressures of up to 12 bar and at a maximum working temperature of 40°C.

Features

Flow rate 3 – 530 l/h
Max. pressure 12 bar
Stroke rate 78/ 116/ 156 stroke/minute
Stroke length 2/ 4/ 6.4/ 7.4 mm
Diaphragm diameter 65/ 96/ 124/ 140 mm
Motor 0.25/ 0.37 kW
Material of pump head SS 316L and PVDF
Protection degree IP55

Kosmo MM2

Featuring the same distinctive specs of MM1 series, the MM2 range **provides higher dosing performance for the most demanding application**. Constructed in **hard wearing metal with a cast aluminium housing**, Kosmo MM2 can handle the largest output with flow rates of up to 2,300 l/h, at pressures up to 10 bar and at a maximum working temperature of 40 °C.

Features

Flow rate 80 – 2300 l/h
Max. pressure 10 bar
Stroke rate 43/ 131/ 175 stroke/minute
Stroke length 7/ 8/ 9/15 mm
Diaphragm diameter 124/ 140/ 157/ 179 mm
Motor 0.55/ 0.75/ 1.1 kW
Material of pump head SS 316L and PVDF
Protection degree IP55

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**