

FMO

Ointment Dosing & Filling Apparatus

The FMO Ointment Dosing & Filling Apparatus is optimal for free flowing viscous materials into a wide range of filling forms such as tubes, jars, bottles, plastic containers etc. With the FMO Ointment Dosing & Filling Apparatus, it is easy to obtain the required dosing volumes by simply adjusting the filling cylinder and its piston into the range 50 – 200 ml. While the dynamic design of Volumetric Dosing mechanism allows an accurate dosing.



FMO directly attached to UAM

Smart Design

The smart design of the dosing orifice assembly of the FMO Ointment Dosing & Filling Apparatus optimizes a drip-free and an airless dosing in tubes. Other advantages of the dynamic design are the easy adjustment, quick removal of hopper and pump for service and sterilization, and the space-saving structure. Furthermore, smaller dosing pump-set 10 – 100 ml. is also possible as an option and can also easily exchanged.



Different Nozzles Available

Depending on the properties of the processed paste, a variety of exchangeable nozzles with different orifice diameters 2, 4, 6, or 8mm and a standard orifice length of 125mm are optionally available. All contact parts are made of GMP Compliant materials and can be sterilized in accordance with GMP. The FMO Ointment Dosing & Filling Apparatus can be directly attached to the UAM Universal Motor Drive, which can smoothly tune the production rate. For a practical and optimal operation, a foot pedals for Starting/Stopping of dosing can be separately ordered.

Advantages

- » Precise Piston Pump
- » Can dose and fill a variety of liquids with precision into different Filling Forms
- » Good Solution for R&D and Small Batch Production. Easy to Install & Maintain
- » Corrosion Resistant, Medical & Food Grade Contact Parts

Features

- » Precise and Fast
- » Dynamic
- » GMP Compliant

Standard Scope of Supply

The FMO (part. no. 40-01185) comes with the following standard scope of supply:

- » Complete mechanism
- » Hopper
- » One standard dosing piston 50 – 200 ml.
- » One standard dosing nozzle Ø6mm, orifice length 125mm

Options

- » Foot pedals (part. no. 40-01010)
- » Additional small dosing piston 10 – 100 ml. per stroke
- » Extra Nozzles Ø 2, 4, 6 and 8 mm with orifice 125 mm

Application Specifications

Parameter	Specification
Operation principle	Piston pump, volumetric dosing
Process range	Dosing and filling of creams and ointments
Feed characteristics	Free flowing ointments and pastes at room temperature
Range of applications	Pharmaceutical, herbal & alternative medicine, chemicals & fine chemicals, food, agriculture, cosmetics and detergents, paints & dyes

Technical Specifications

Parameter	Specification
Pumping Technology	Piston pump
Operation Viscosity Range	Free-flowing pastes at room temperature
Standard Operation Characteristics	Built in adjustment 50 – 200 ml pro stroke
Hopper Total Volume	Up to 18 l Depends on feed properties, instrument and process parameters
Nominal Operation Speed	up to 1200 Strokes/h Depends on feed properties, instrument and process parameters
Instrument dimensions	Approx. 560 x 460 x 830 mm (width x depth x height)
Packaging dimensions	Approx. 480 x 800 x 840 mm (width x depth x height)
Net / Gross weight	Approx. 16 kg / 19 kg

We reserve the right to make technical changes without any prior notice.