

VISCOFLUX Drum Emptying System



More than just pumps



VISCOFLUX

The FLUX specialist for highly viscous materials

The unique VISCOFLUX drum emptying system is used by various industries for fast, cost-effective conveying of highly viscous, pasty and non-free flowing fluids. It guarantees virtually complete and gentle emptying from standard drums with lids.

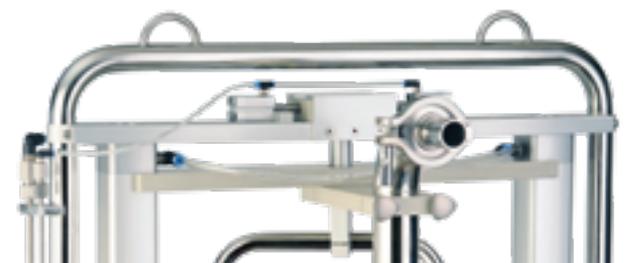


Function description

The VISCOFLUX drum emptying system is mounted on the drum with a clamping ring – so that the system and drum form a secure unit. When the material is pumped by the eccentric screw pump, a partial vacuum is created below the follower plate. This vacuum automatically pulls down the plate. The follower plate therefore hermetically seals the pumped material. In addition, its flexible sealing lip ensures that virtually no pumped material remains attached to the drum wall. In this way the VISCOFLUX system achieves emptying with a residual quantity of less than 1 %. This saves time and costs: There is no need for time-consuming subsequent cleaning of the drum by hand. Another advantage of this drum emptying system is that different drive motors and eccentric screw pumps can be combined so that the system can be optimally designed for the material to be pumped.



Intelligent design for fast dismantling and easy cleaning.



Transport device with two eyebolts and pneumatic transport lock.

Product characteristics

- ▶ Pumps materials that are not free flowing, even from drums with in-liners
- ▶ Residual quantity in the drum <1 %
- ▶ Mobile use, simply transport to the drum
- ▶ Combination of pump and motor can be individually designed for the material to be pumped (modular design)
- ▶ Eccentric screw pump for careful, low-turbulence pumping, handles the materials gently
- ▶ Follower plate seals off the material, airtight
- ▶ Flexible sealing lip ensures that virtually no material is left behind on the drum wall
- ▶ Overall system has little dead space
- ▶ Use of high-quality materials
- ▶ Easy to operate control unit with dead man's switch for the traversing movement
- ▶ Transport device with two eyebolts and pneumatic transport locking

Examples of media

- ▶ Vaseline (including from drums with inliners)
- ▶ Cosmetic products such as creams, mascara
- ▶ Lanolin and wool wax
- ▶ Structural adhesives
- ▶ Resins
- ▶ Peanut paste
- ▶ Greases up to grease class 3 and coating compounds
- ▶ PVC printing/insulation dye, liquid PVC
- ▶ UV, hydro and wood filling compound
- ▶ Paints and silicones
- ▶ Sealing paste for sealing with hemp
- ▶ Materials, which gasify or react with oxygen
- ▶ Materials, in which neither air nor foreign particles may penetrate

Technical data

- ▶ Designed for drums with an internal diameter of 560 mm and 571.5 mm, with a height of up to max. 950 mm
- ▶ Delivery rate: up to 40 l/min, depending on the viscosity and flow behaviour of the pumped material
- ▶ System dimensions:
Diameter 720 mm,
height without drum 1450 mm,
Weight without pump and motor approx. 45 kg

Advantages

- ▶ **Low initial purchase costs**
compared to stationary systems
- ▶ **High flexibility**
due to mobility of the system
- ▶ **Low disposal costs**
due to small residual quantity in the drum
- ▶ **Process safety**
even if the pumping process is interrupted during emptying due to hermetic sealing off the material
- ▶ **Fast cleaning**
thanks to dismantling with a few hand movements
- ▶ **User-friendly handling**
due to easy operation of the control unit and integrated transport device
- ▶ **Customised performance**
due to individually selectable three-phase or compressed air motor in conjunction with a suitable eccentric screw pump
- ▶ **Easy system extension**
due to extensive range of accessories (liquid flowmeter, hoses, fittings and valves, etc.)
- ▶ **Optimum employee protection**
due to pneumatic transport restraint and control unit with dead man's switch for the traversing movement



Mobile use with crane or fork lift truck.



More than just pumps

Today the FLUX name is recognised around the globe as the trademark for top standards in pump technology. Everything started with the invention of the electric drum pump in 1950. Nowadays FLUX has an extensive range of products each of which can be customized. FLUX pumps are used for example in the chemical and pharmaceutical industries; in machinery and plant engineering as well as companies in electroplating, wastewater treatment and the food sector.

Whether single-product or system solution – FLUX quality is synonymous with a long service life, excellent economy and maximum safety.

In addition to the excellent product quality FLUX customers appreciate the superb level of expertise our staff has to offer as well as their genuine customer focus.

These days FLUX-GERÄTE GMBH supplies pumps to almost 100 countries around the globe.