

# VISCOFLUX lite Drum Emptying System



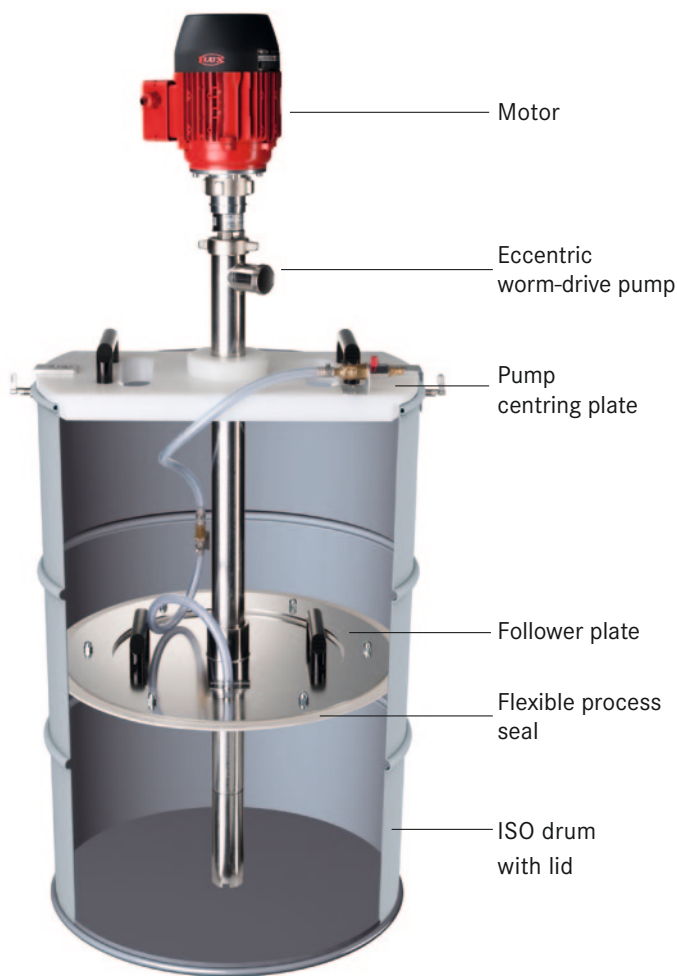
We deliver values.



# VISCOFLUX lite

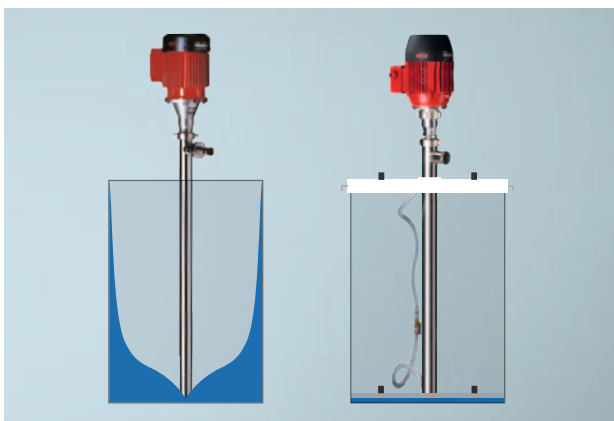
The FLUX specialist for transferring high-viscosity media that are just capable of flowing

The drum emptying system VISCOFLUX lite is used to transfer higher-viscosity media which are just capable of flowing, out of ISO drums with lid. The system transports the media gently and continuously. Like the VISCOFLUX and the VISCOFLUX mobile, the VISCOFLUX lite leaves just less than 1 % of the media in the drum (in drums without inliner).



## Functional description

The components of the VISCOFLUX lite drum emptying system are the FLUX eccentric worm-drive pump with motor, the pump centring plate and the follower plate with process seal. The follower plate is put directly onto the media in the drum. The pump centring plate is fixed above it on the edge of the drum. The pump is then routed through the opening of the pump centring plate and the follower plate guide down to the bottom of the drum. The eccentric worm-drive pump creates a vacuum, so the follower plate goes down. The flexible process seal of the follower plate makes sure that almost no material remains on the drum wall. The material transferred is hermetically sealed in. In this way, the VISCOFLUX lite empties drums (without inliner) to less than 1 % residue. After the transfer of the medium, the follower plate is released from the bottom of the drum by means of compressed air.



Substantial reduction of residual material with the VISCOFLUX lite.



Quick to install with few components.

### Product characteristics

- ▶ Transfers higher-viscosity substances just capable of flowing
- ▶ The flexible process seal makes sure almost no material remains on the drum wall
- ▶ Residue in the drum less than 1 % (in drums without inliner)
- ▶ Mobile for easy transport to the drum
- ▶ Eccentric worm-drive pump for gentle transport of the medium with little turbulence and pulsation
- ▶ Combination of pump and motor can be individually adapted to the medium to be transported (modular system)
- ▶ Follower plate for air-tight sealing of the medium
- ▶ Usage of high-quality materials

### Examples of media

- ▶ Substances just capable of flowing up to grease class 2
- ▶ Soft lubricating greases (NLGI class 2)
- ▶ Machinery greases for central lubricating systems, e.g. Paraliq
- ▶ Levelling compounds
- ▶ Paint binders
- ▶ Coating compounds (base coats)
- ▶ Adhesives/construction glues/fixing compounds
- ▶ Corrosion protection gels

### Technical data

- ▶ For pumps with an outer diameter of 54 mm
- ▶ Designed for ISO drums with lids and 571.5 mm inside diameter
- ▶ Pumping capacity up to 40 l/min, depending on viscosity and flow characteristics of the substance to be transferred
- ▶ System dimensions:  
System height in operation: 1,450 mm,  
Room height required for erection: about 2,160 mm,  
Weight and dimensions of the pump centring plate:  
Approx. 6.5 kg, length: 700 mm, width: 300 mm,  
Weight and dimensions of the follower plate including process seal: Approx. 13 kg, diameter: Approx. 582 mm
- ▶ Noise emission with three-phase motor < 75 dB



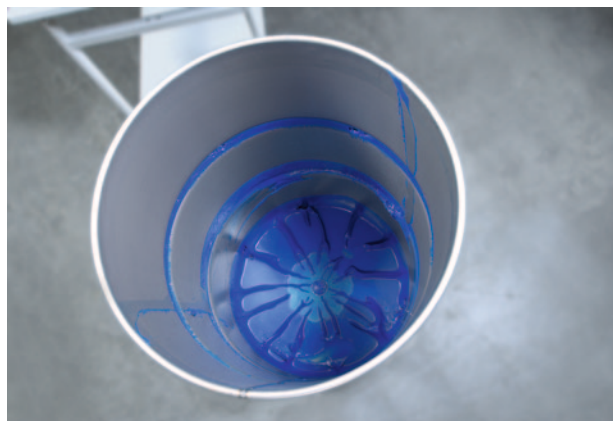
Filling of high-temperature lubricating grease.

### Advantages

- ▶ **Resource-saving – up to less than 1 % residue** (in drums without inliner)  
Efficient use of the medium and low expenditure for disposal
- ▶ **Continuous transport**  
in contrast to systems that use piston pumps
- ▶ **No structural change of the medium**  
due to gentle transport
- ▶ **Customised output**  
due to individual selection of drive motor in combination with matching eccentric worm-drive pump
- ▶ **Fast cleaning**  
as system can be quickly dismantled
- ▶ **Process reliability**  
due to hermetical sealing of the medium even if the transfer process is interrupted
- ▶ **High flexibility**  
due to low installation height - also suitable for working rooms with relatively low ceilings
- ▶ **Simple extension**  
due to comprehensive range of accessories (liquid meter, hoses, fittings etc.)
- ▶ **Quick to install**  
with few components

### Note

Other variants of the VISCOFLUX family: VISCOFLUX and VISCOFLUX mobile for transferring high-viscous substances just not capable of flowing (see separate brochures).



Emptying of drums to less than 1 % residue.



We deliver values.

FLUX is a world renowned brand for the highest standards in pump technology. It all began in 1950 with the invention of the electric barrel pump. Today, FLUX offers a wide range of products which can be configured individually. For example, FLUX pumps are used in the chemical and pharmaceutical industries, in machine and plant construction, as well as in electroplating, sewage treatment plants, and the food industry.

Whether as a stand-alone or a system solution, FLUX quality means long useful life, excellent economic efficiency and a maximum of safety.

Apart from the outstanding FLUX product quality and reliability, our clients appreciate the expertise and dedication of our employees to customer service.

Today, FLUX-GERÄTE GMBH supplies pumps to almost one hundred countries world wide.

