

# VISCOFLUX lite Drum Emptying System



More than just pumps



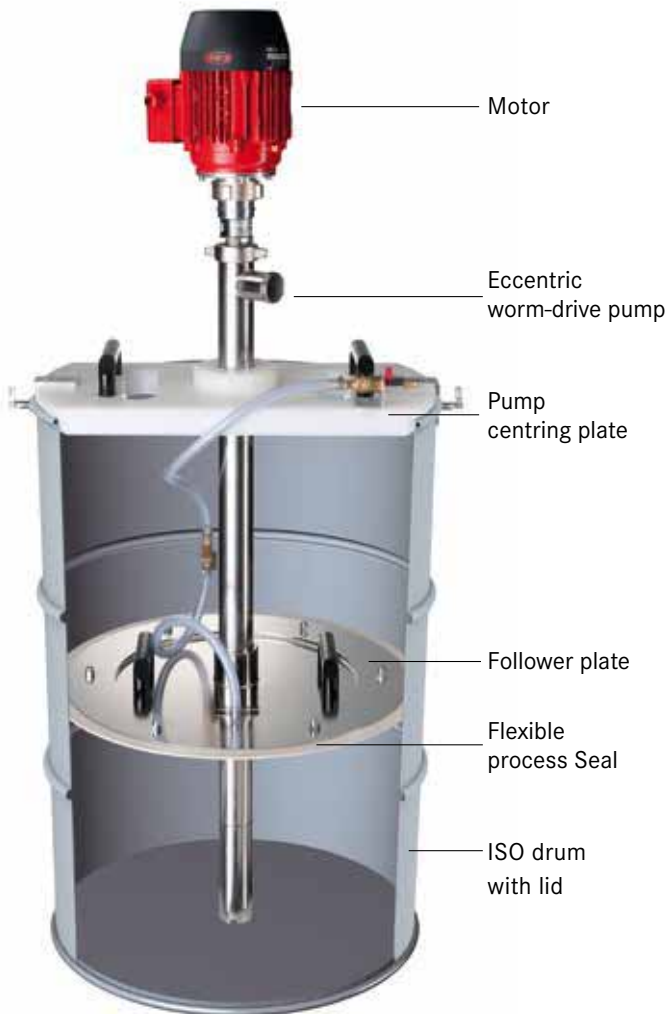
**New!**  
Ex version for  
sea container  
drums



# VISCOFLUX lite

The FLUX specialist for transferring higher-viscosity materials 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 and sea container drums. In the Ex version it is suitable for the use in hazardous areas of zone 1 and for transferring a wide variety of flammable media (zone 0/1). 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.



## Functional description

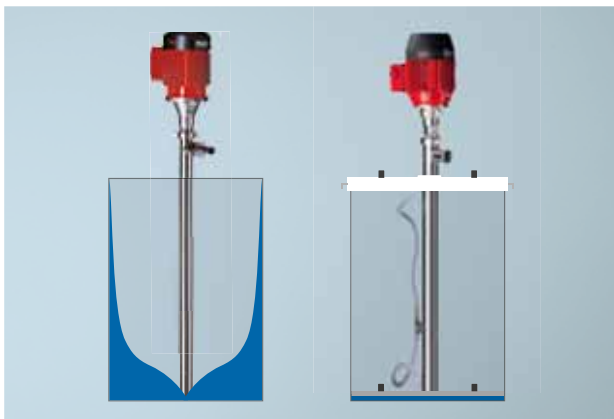
The components of the VISCOFLUX lite drum emptying system are the FLUX eccentric worm-drive pump with motor, the pump centring plate and the follower plate with process seal. The follower plate is put directly onto the media in the drum. The pump centring plate is fixed above it on the edge of the drum. 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 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.



Assembly follower plate with process seal.\*



Assembly pump centring plate.\*




Substantial reduction of residual material with the VISCOFLUX lite.



Quick to install with few components.\*

\* Application in non-hazardous area

### Product features

- ▶ Transfers higher-viscosity substances that are 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 %
- ▶ 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
- ▶ Version available for use in Ex zone 0/1 

### Media examples

- ▶ Substances just capable of flowing
- ▶ Soft lubricating greases up to NLGI class 2 (e. g. machinery greases)
- ▶ Levelling compounds
- ▶ Base materials for paints and varnishes
- ▶ Solvent-based blend pastes
- ▶ Coating compounds (base coats)
- ▶ Adhesives/construction glues/fixing compounds
- ▶ Corrosion protection gels


### Technical data

- ▶ For eccentric worm-drive pumps with outer diameter: 54 mm / Ex version 50 mm
- ▶ Designed for ISO drums with lid with an inner diameter of 571.5 mm and sea container drums with an inner diameter of 540 mm at the top and 571 mm at the bottom
- ▶ Output up to 50 l/min, / Ex version max. 30 l/min dependent of viscosity and flow behaviour of the medium
- ▶ System dimensions: System height assembled: approx. 1500 mm
- ▶ Required room height for assembly: approx. 2200 mm
- ▶ Ex-marking (VISCOFLUX lite Ex): II 1 G IIB TX



Filling of high-temperature lubricating grease.\*

### Advantages

- ▶ **Resource-saving – up to less than 1 % residue**  
Efficient use of the medium and low expenditure for disposal
- ▶ **Ex version available**   
for applications in zone 0/1
- ▶ **Continuous and gentle transport**  
no structural change of the medium
- ▶ **Customised solution**  
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.\*

\* Application in non-hazardous area



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, effluent treatment and the foodstuffs 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.

