

# Solutions for IBCs Pumping and mixing media

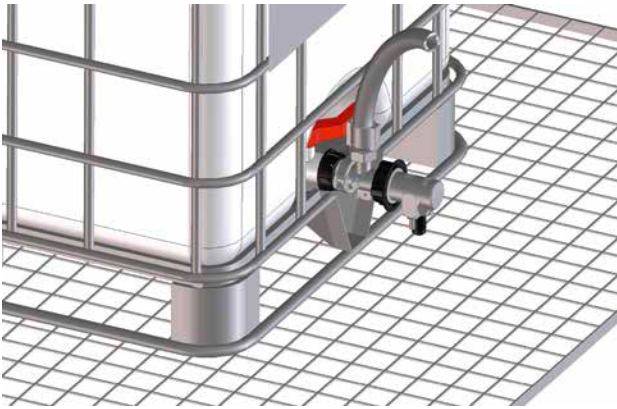


More than just pumps



# Medium removal by using the outlet valve

## Pumps for dry installation



### General advantages/characteristics:

- ▶ For containers which are not accessible from above
- ▶ Liquid must be free flowing
- ▶ Also variants for mobile and stationary use
- ▶ For use wherever is no space to use a vertical drum pump

### Drum and container pumps

#### Type F 430 TR & MINIFLUX

- ▶ Centrifugal pumps
- ▶ For pumping low viscosity fluids
- ▶ Emptying IBCs with residual quantity of less than 1 % (depending on the pump type)
- ▶ Version available for use in hazardous areas

#### Technical data



<b>Flow rate max.</b>	240 l/min*
<b>Head max.</b>	30 mWs*
<b>Viscosity max.</b>	1 200 mPas*
<b>Motor drive</b>	Electric or pneumatic

### Eccentric worm-drive pumps

#### Type F 550 TR & F 560 TR

- ▶ Displacement pumps
- ▶ For pumping low to high-viscosity media
- ▶ Connection of motor via bearing flange
- ▶ Versions with anti-clockwise/clockwise running
- ▶ Can be mounted on trolley or panel
- ▶ Available as FOOD version
- ▶ Versions available for use in hazardous areas

#### Technical data



<b>Flow rate max.</b>	50 l/min*
<b>Head max.</b>	80 mWs*
<b>Viscosity max.</b>	80 000 mPas*
<b>Motor drive</b>	Electric or pneumatic

### Air-operated diaphragm pumps

#### Type RFM & FDM

- ▶ Are self-priming pumps also for pumping abrasive media
- ▶ Available in heavy duty (RFM) or injection-moulded/cast (FDM) version
- ▶ Can be used for virtually all types of media
- ▶ Are designed for high pressures
- ▶ 100 % start-up guarantee
- ▶ With suction tube medium removal by using the filling opening possible
- ▶ FDA certified version available
- ▶ Versions available for use in hazardous areas

#### Technical data



<b>Flow rate max.</b>	1 040 l/min*
<b>Head max.</b>	200 mWs*
<b>Viscosity max.</b>	Just capable of flowing*
<b>Motor drive</b>	Pneumatic

\*dependent on pump model, medium and motor

# Medium removal by using the filling opening

## Vertically installed pumps



### General advantages/characteristics:

- ▶ No leakage tub needed
- ▶ Drum and Container pumps for low viscosity fluids
- ▶ Eccentric worm-drive pumps for low to high-viscosity media
- ▶ Centrifugal immersion pumps for pumping and circulating large volumes incl. aggressive and abrasive media

### Drum and container pumps

Type F 424, F 430, F 425, F 426, F 427, FP 314

- ▶ Centrifugal pumps
- ▶ Drum and container pumps with mechanical seal and sealess design
- ▶ Version for 99.98 % drum emptying
- ▶ Version for mixing and/or pumping
- ▶ Version that can be taken apart completely
- ▶ COMBIFLUX with motor easy to remove
- ▶ Also specially prefabricated sets available
- ▶ Available as FOOD version and 3A certified version
- ▶ Versions available for use in hazardous areas

### Eccentric worm-drive pumps





Type F 550 & F 560





- ▶ Displacement pumps
- ▶ Version with bearing flange and gear available
- ▶ For fluids up to 80 000 mPas
- ▶ For mobile or stationary use
- ▶ Available with 3A- and FDA certification
- ▶ Available as FOOD version
- ▶ Versions available for use in hazardous areas

### Centrifugal immersion pumps

Type F 620 & F 640

- ▶ Centrifugal pumps
- ▶ For mobile or stationary use
- ▶ Also pumps solid-laden fluids
- ▶ Pump is hermetically tight
- ▶ Motor replaceable
- ▶ Also available for dry installation

Technical data	   
Flow rate max.	240 l/min*
Head max.	30 mWs*
Viscosity max.	1 200 mPas*
Motor drive	Electric or pneumatic

Technical data	   
Flow rate max.	50 l/min*
Head max.	80 mWs*
Viscosity max.	80 000 mPas*
Motor drive	Electric or pneumatic

Technical data	
Flow rate max.	42 m <sup>3</sup> /h*
Head max.	32 mWs*
Viscosity max.	2 500 mPas*
Motor drive	Electric or pneumatic

\*dependent on pump model, medium and motor



## General advantages/characteristics:

- ▶ Optimal solution for demanding tasks such as, disperse, emulsify, homogenise, chill, dissolve, mix, neutralise, stir, circulate or exchange
- ▶ Due to the flexible modular system FLUX is able to offer a wide range of options

## Mixers

### Fast runners

- ▶ For low to medium viscosity media
- ▶ Several mixing blades can also be mounted on top of each other
- ▶ Configured for fluids with max. 5 % solid content

### Slow runners

- ▶ For high circulation performance
- ▶ Versions available with sliding or folding agitators
- ▶ Configured for fluids with max. 10 % solids

## Mixing pump

### Type F 426

- ▶ For mixing and/or pumping inhomogeneous media
- ▶ Switch lever for easy changing between mixing/pumping and pumping
- ▶ Easily disassembled for fast cleaning
- ▶ Version available for hazardous areas

### Technical Data

<b>Circulating performance</b>	Up to 650 m <sup>3</sup> /h
<b>Speeds</b>	750 - 1 500 rpm
<b>Ideal for liquids of</b>	Up to 2 500 mPas
<b>Motor drive</b>	Electric or pneumatic

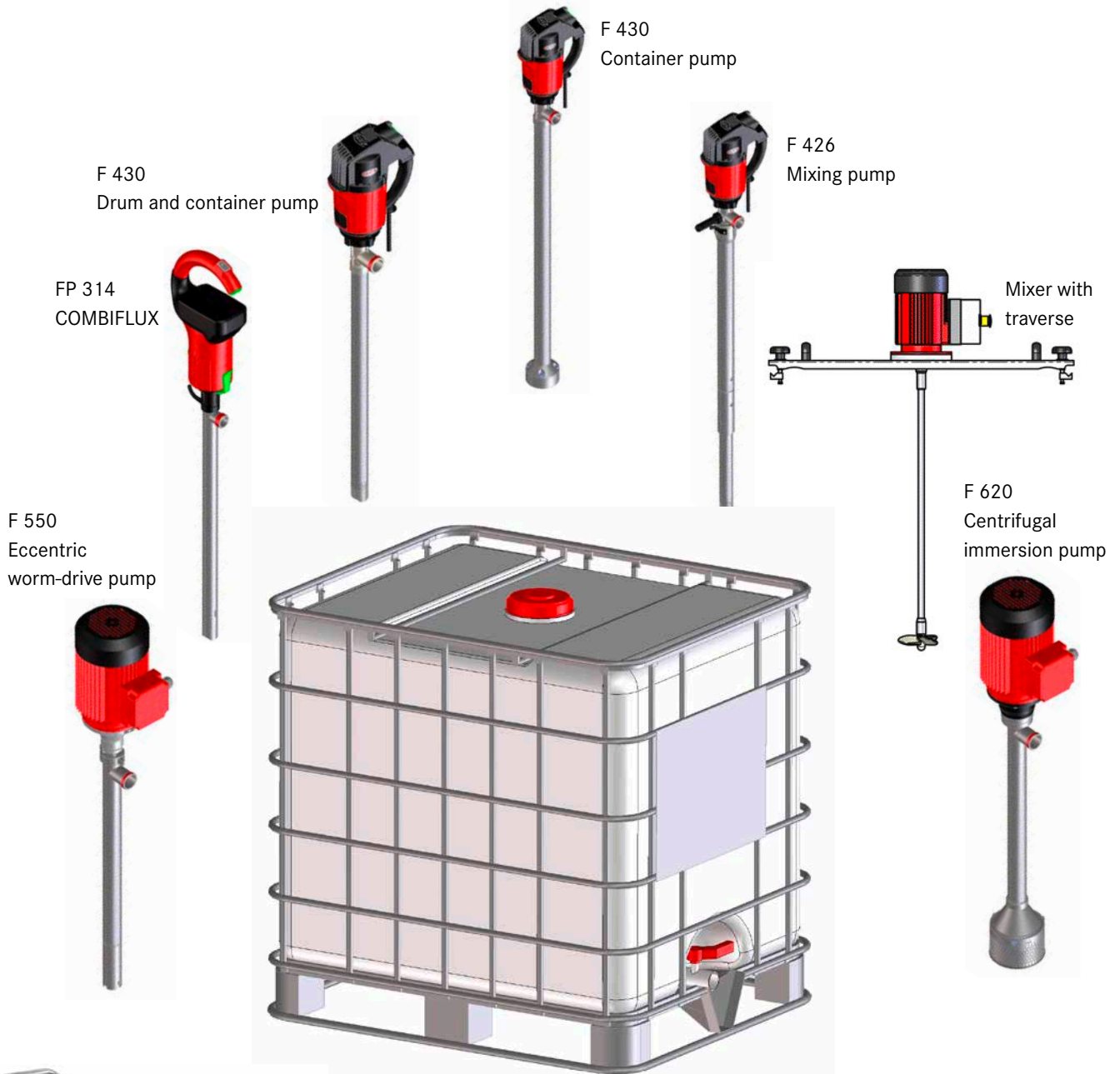
<b>Circulating performance</b>	Up to 3 600 m <sup>3</sup> /h
<b>Low Speed of</b>	Approx. 70 rpm
<b>For fluids of</b>	Up to 10 000 mPas
<b>Motor drive</b>	Electric or pneumatic

### Technical Data

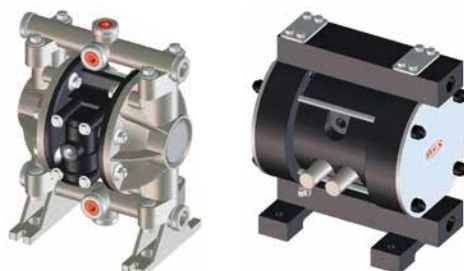
<b>Circulating performance</b>	240 l/min*
<b>Low Speed of</b>	13 mWs*
<b>For fluids of</b>	1 200 mPas*
<b>Motor drive</b>	Electric or pneumatic

\*dependent on pump model, medium and motor

# Overview – FLUX IBC solutions



Air operated diaphragm pumps  
RFML/FDM





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.

