

# Pump kits



More than just pumps







## FLUX Pump Kits for:

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**FLUX Pump Kits include everything for immediate operation.**

**They consist of :**

- Motor
- Pump
- Hose
- Quick action tap
- Compression gland

**No longer do you have the tedious chore of leafing through catalogues for numerous items, they are all contained in the FLUX Pump Kit. Select the most suitable combination and see the advantages of buying a FLUX Pump Kit, the all-inclusive service!**



# FLUX Pump Kit „JUNIORFLUX“

For filling, emptying, transferring or dispensing acids and alkalis, such as battery acid, ammonia water, glycol, caustic soda and soapy water.

Delivery rate max. 40 l/min, delivery head max. 5,2 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 15 l/min.

Viscosity max. 250 mPas (cp), temperature max. 45 °C.

## JUNIORFLUX F 314 PP-25/19 in Polypropylene

sealless, shaft in Hastelloy C, impellor in ETFE, outer-Ø 25 mm, thread on outlet G 1 A (BSP 1" male)

**Commutator motor FEM 3070, 230 Volt, 50 Hz, 230 Watt, IP 24, with two-speed switch for smooth emptying**

with 5 m power supply cable and 2-pole plug

### Accessories:

Hose connection PP, 1,5 m flexible PVC hose DN 13, 2 hose clips, quick action tap PP, seal FKM

### Part No./Weight

Immersion length 700 mm **10-314 43 007/2,4 kg**



For transferring acids like boric acid, fruit acids, phosphoric acid, hydrochloric acid and sulphuric acid (at 80 %).

Delivery rate max. 47 l/min, delivery head max. 6,8 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 30 l/min.

Viscosity max. 250 mPas (cp), temperature max. 45 °C.

## JUNIORFLUX F 314 PP-32/25 in Polypropylene

sealless, PTFE/carbon, seal FKM, shaft in Hastelloy C, impellor in ETFE, outer-Ø 32 mm, thread on outlet G 1 A (BSP 1" male)

**Commutator motor FEM 3070, 230 Volt, 50 Hz, 230 Watt, IP 24 with two-speed switch for smooth emptying**

with 5 m power supply cable and 2-pole plug

### Accessories:

Hose connection PP, 1,5 m flexible PVC hose DN 19, 2 hose clips, quick action tap PP, seal FKM

### Part No./Weight

Immersion length 1.000 mm **10-314 44 010/2,7 kg**



\*Maximum performance data obtained with water (20 °C) at the outlet connection of the pump, without discharge hose and hand tap.

## FLUX Pump Kit „Acids“



For transferring acids like boric acid, fruit acids, phosphoric acid, hydrochloric acid and sulphuric acid (at 80 %).

Delivery rate max. 165 l/min, delivery head max. 9,5 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 40 l/min.

Viscosity max. 600 mPas (cp), temperature max. 50 °C.

### Drum pump F 430 PP-40/33 in Polypropylene

with mechanical seal in ceramic oxide, PTFE/carbon, seal in FKM, shaft in Hastelloy C, impellor in ETFE, outer-Ø 40 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Commutator motor FEM 4070, 230 Volt, 50 Hz, 500 Watt, IP 24, with speed-range adjustment and no volt release**

with 5 m power supply cable and 2-pole plug

### Accessories:

Hose connection PP, 2 m flexible PVC hose DN 19, 2 hose clips, quick action tap PP, seal FKM, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

Immersion length 1.000 mm **10-407 40 010/5,1 kg**

Immersion length 1.200 mm **10-407 40 012/5,3 kg**



## FLUX Pump Kit „Alkalis“

For transferring alkalis and acids like caustic potash, caustic soda, ammonia water, formic acid (at 50 %) and acetic acid (at 80 %).

Delivery rate max. 165 l/min, delivery head max. 9,5 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 60 l/min.

Viscosity max. 600 mPas (cp), temperature max. 50 °C.

### Drum pump F 424 PP-41/36 in Polypropylene

sealless, shaft in Hastelloy C, impellor in ETFE, outer-Ø 50 mm, foot piece Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Commutator motor FEM 4070, 230 Volt, 50 Hz, 500 Watt, IP 24, with speed-range adjustment and no volt release**

with 5 m power supply cable and 2-pole plug

### Accessories:

Hose connection PP, 2 m PVC hose DN 19, 2 hose clips, quick action tap PP, seal EPDM, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

Immersion length 1.000 mm **10-407 44 010/5,1 kg**

Immersion length 1.200 mm **10-407 44 012/5,3 kg**



## FLUX Pump Kit „concentrated Acids“

For transferring concentrated acids like hydrobromic acid, chloric acid, hydrofluoric acid, nitric acid, sulphuric acid and sodium hypochlorate.

Delivery rate max. 170 l/min, delivery head max. 9,5 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 40 l/min.

Viscosity max. 600 mPas (cp), temperature max. 80 °C.

### Drum pump F 430 PVDF-40/33 in Polyvinyliden fluoride

with mechanical seal in ceramic oxide, PTFE/carbon, seal in FKM, shaft in Hastelloy C, impellor in ETFE, outer-Ø 40 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

### Commutator motor F 458, 230 Volt, 50 Hz, 460 Watt, IP 55, with no volt release

with special corrosion-resistant painting, 5 m power supply cable and safety plug

### Accessories:

Hose connection PVDF, 2 m chemical hose DN 19, 2 hose clips, quick action tap PVDF, seal FKM, FLUX-Clip, compression gland PP conductive

### Part No./Weight

Immersion length 1.000 mm	10-458 60 010/8,9 kg
Immersion length 1.200 mm	10-458 60 012/9,2 kg



## FLUX Pump Kit „AdBlue®“

For transferring „AdBlue®“ out of containers.

Delivery rate max. 85 l/min, delivery head max. 18 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 35 l/min.

Temperature max. 50 °C.

### Drum pump F 424 PP/S-41/35Z in Polypropylene

sealless, shaft in stainless steel 316 Ti, impellor in ETFE, outer-Ø 40 mm, foot piece Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

### Commutator motor FEM 4070, 230 Volt, 50 Hz, 500 Watt, IP 24, with speed-range adjustment and no volt release

with 5 m power supply cable and 2-pole plug

### Accessories:

Hose connection PP, 6 m special hose DN 16, self-locking quick action tap, FLUX-Clip and compression gland PP conductive (G 2)

### Part No./Weight

Immersion length 1.200 mm	10-407 41 ZV6/10,3 kg
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\*Maximum performance data obtained with water (20 °C) at the outlet connection of the pump, without discharge hose and hand tap.

# FLUX Pump Kit „Petroleum Products“



For transferring petroleum products like diesel oil, fuel oil, hydraulic oil, lube oil and engine oil.

Delivery rate max. 215 l/min, delivery head max. 10 m.\*  
When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 65 l/min.  
Viscosity max. 600 mPas (cp), temperature max. 80 °C.

#### Drum pump F 430 AL-41/38 in Aluminium alloy

with mechanical seal in ceramic oxide, PTFE/carbon, seal NBR, shaft in stainless steel 316 Ti, impellor in ETFE, outer-Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Commutator motor FEM 4070, 230 Volt, 50 Hz, 500 Watt, IP 24, with speed-range adjustment and no volt release, and no volt release**

with 5 m power supply cable and 2-pole plug

#### Accessories:

Hose connection AL, 2 m petroleum hose DN 25, 2 hose clips, quick action tap AL, seal NBR, FLUX-Clip, compression gland PP conductive

#### Part No./Weight

Immersion length 1.000 mm	10-407 10 010/6,4 kg
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Immersion length 1.200 mm	10-407 10 012/6,7 kg
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Delivery rate max. 220 l/min, delivery head max. 12 m.\*  
When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 80 l/min.  
Viscosity max. 800 mPas (cp), temperature max. 80 °C.

Drum pump and accessories as above, but complete with

**Commutator motor F 457, 230 Volt, 50 Hz, 800 Watt, IP 24, with no volt release**

with 5 m power supply cable and 2-pole plug

#### Part No./Weight

Immersion length 1.000 mm	10-457 10 010/7,8 kg
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Immersion length 1.200 mm	10-457 10 012/8,1 kg
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# FLUX Pump Kit „Flammable Liquids“

For transferring flammable liquids like acetone, butyl alcohol, ethyl alcohol, methyl alcohol, gasoline, toluene, xylene, etc.

Delivery rate max. 200 l/min, delivery head max. 9,5 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 50 l/min.

Viscosity max. 600 mPas (cp), temperature max. 100 °C.

**Drum pump FP 424 Ex S-43/38 in stainless steel tested and certified according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 1/2, for use in Zone 0.**

sealless, shaft in stainless steel 316 Ti, impellor in ETFE, outer-Ø 41, foot piece Ø 43 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Commutator motor F 460 Ex, 230 Volt, 50 Hz, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 2, with no volt release**

with 5 m power supply cable and safety plug (not explosion-proof)

**Accessories:**

Earth ground wire 2 m long, universal hose DN 21, 2 m long, electrically conductive, quick action tap MS, seal PTFE, FLUX-Clip, compression gland PP conductive

**Part No./Weight**

Immersion length 1.000 mm	<b>10-460 24 010/10,9 kg</b>
Immersion length 1.200 mm	<b>10-460 24 012/11,4 kg</b>



Delivery rate max. 240 l/min, delivery head max. 13 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 55 l/min.

Viscosity max. 800 mPas (cp), temperature max. 100 °C.

Drum pump and accessories as above, but complete with

**Compressed air motor F 416 Ex, 470 Watt at 6 bar, explosion-proof toll 2 G c IIC T6 according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 2.**

**Part No./Weight**

Immersion length 1.000 mm	<b>10-416 24 010/7,4 kg</b>
Immersion length 1.200 mm	<b>10-416 24 012/7,9 kg</b>

\*Maximum performance data obtained with water (20 °C) at the outlet connection of the pump, without discharge hose and hand tap.



# FLUX Pump Kit „universal Applications“



In the following industries: paint, varnish, food, cosmetic and pharmaceutical.

Delivery rate max. 240 l/min, delivery head max. 13 m.\*  
When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 50 l/min.  
Viscosity max. 800 mPas (cp), temperature max. 100 °C.

**Drum pump F 430 S-41/38 in stainless steel tested and certified according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 1/2, for use in Zone 0.**

with mechanical seal in ceramic oxide, PTFE/carbon, seal FKM, shaft in stainless steel 316 Ti, impellor in ETFE, outer-Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Compressed air motor F 416 Ex, 470 Watt at 6 bar, explosion-proof to II 2 G c IIC T6 according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 2.**

#### Accessories:

Earth ground wire 2 m long, universal hose DN 21, 2 m long, complete with fittings in stainless steel on both ends, electrically conductive, quick action tap stainless steel, seal PTFE/FEP, FLUX-Clip, compression gland PP conductive

#### Part No./Weight

Immersion length 1.000 mm	10-416 20 010/7,6 kg
Immersion length 1.200 mm	10-416 20 012/8,1 kg



Delivery rate max. 200 l/min, delivery head max. 9,5 m.\*  
When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 50 l/min.

Viscosity max. 600 mPas (cp), temperature max. 100 °C.  
Drum pump and accessories as above, but complete with

**Commutator motor F 460 Ex, 230 Volt, 50 Hz, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 2, with no volt release**

with 5 m power supply cable and safety plug (not explosion-proof)

#### Part No./Weight

Immersion length 1.000 mm	10-460 20 010/11,1 kg
Immersion length 1.200 mm	10-460 20 012/11,6 kg



# FLUX Pump Kit „99,98 % Drum Emptying“



The safe and cost-efficient solution for transferring high value or hazardous liquids.

Delivery rate max. 115 l/min, delivery head max. 8 m.\*

When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 35 l/min.

Viscosity max. 600 mPas (cp), temperature max. 100 °C.

**Drum pump FP 425 Ex S-41/34 in stainless steel tested and certified according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 1/2, for use in Zone 0.**

with mechanical seal in ceramic oxide, PTFE/carbon, seal FKM, shaft in stainless steel 316 Ti, impellor in ETFE, outer-Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

**Commutator motor F 460 Ex, 230 Volt, 50 Hz, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 2014/34/EU (valid from 20.04.2016), category 2, with no volt release**

with 5 m power supply cable and safety plug (not explosion-proof)

**Accessories:**

Earth ground wire 2 m long, universal hose DN 21, 2 m long, complete with fittings in stainless steel on both ends, electrically conductive, quick action tap stainless steel, seal PTFE/FEP, FLUX-Clip, compression gland PP conductive

**Part No./Weight**

Immersion length 1.000 mm	<b>10-460 25 010/11,9 kg</b>
Immersion length 1.200 mm	<b>10-460 25 012/12,4 kg</b>



## Accessories – FLUX Flow Meters

If you want to keep your liquids under control, FLUX Pump Kits can be completed by a Flow Meter Type FMC 100.

3 models are available in PP, ETFE or Stainless steel for flowrates of 10 – 100 l/min.

An easy-to-read 7-digit LCD together with multifunctional keys ensures a simple calibration and input, everything for easy use by the operator.

All models are explosion-proof to II 2 G EEx ia IIB T6 according to ATEX-Directive 2014/34/EU (valid from 20.04.2016).



**Flow Meter Type FMT 50 PP**

Flow meter with interlocked wheel impeller in the measuring chamber, in conjunction with our JUNIORFLUX pumps.

Construction in PP, not ex-proofed, inlet connection G 1 (BSP 1"), outlet connection G 1A (BSP 1" male).



\*Maximum performance data obtained with water (20 °C) at the outlet connection of the pump, without discharge hose and hand tap.



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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.

## FLUX-GERÄTE GMBH

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