



More than just pumps



Pump Kits







**FLUX Pump Kits for:**

Acids and Alkalis	4 – 5
Concentrated Acids and “AdBlue®”	6
Petroleum Products	7
Flammable Liquids	8
Universal Applications	9
99.98 % Drum Emptying	10

**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 flipping through catalogs 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, a ready to use solution!**

# 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. 10.5 GPM, delivery head max. 17 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 4 GPM.

Viscosity max. 250 cPs, temperature max. 113°F.

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

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

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

with 16 ft power supply cable and plug

#### Accessories:

Hose connection PP, 5 ft flexible 1/2" PVC hose, 2 hose clips, quick action tap PP, seal FKM

#### Part No./Weight

700 mm/27 in Length, 230V/50Hz Motor **314.43.007**/5.3 lbs

700 mm/27 in Length, 120V/60Hz Motor **314.4K.001**/5.3 lbs



For transferring acids like boric acid, fruit acids, phosphoric acid, hydrochloric acid and sulphuric acid (at 80 %). Delivery rate max. 12 GPM, delivery head max. 22 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 7.9 GPM.

Viscosity max. 250 cPs, temperature max. 113°F.

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

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

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

with 16 ft power supply cable and plug

#### Accessories:

Hose connection PP, 5 ft flexible 1/2" PVC hose, 2 hose clips, quick action tap PP, seal FKM

#### Part No./Weight

1000 mm/39 in Length, 230V/50Hz Motor **314.44.010**/5.9 lbs

1000 mm/39 in Length, 120V/60Hz Motor **314.4K.002**/5.9 lbs

\*Maximum performance data obtained with water (68°F) 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. 43.5 GPM, delivery head max. 31 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 10.5 GPM.

Viscosity max. 600 cPs, temperature max. 122°F.

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

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

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

with 16 ft power supply cable and plug

### Accessories:

Hose connection PP, 6 ft flexible 3/4" PVC hose, 2 hose clips, quick action tap PP, seal FKM, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>407.40.010</b> /11.2 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>407.40.012</b> /11.7 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>407.4K.001</b> /11.2 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>407.4K.002</b> /11.7 lbs



# 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. 43.5 GPM, delivery head max. 31.1 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 10.5 GPM.

Viscosity max. 600 cPs, temperature max. 122°F.

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

Sealless, shaft in Hastelloy C, impeller in ETFE, outer-Ø 40 mm, foot piece Ø 41mm, EPDM elastomers, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

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

with 16 ft power supply cable and plug

### Accessories:

Hose connection PP, 6 ft flexible 3/4" PVC hose, 2 hose clips, quick action tap PP, seal EPDM, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>407.44.010</b> /11.2 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>407.44.012</b> /11.7 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>407.4K.003</b> /11.2 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>407.4K.004</b> /11.7 lbs



## FLUX Pump Kit "Concentrated Acids"

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

Delivery rate max. 44.9 GPM delivery head max. 31.1 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 10.5 GPM.

Viscosity max. 600 cPs, temperature max. 212°F.

### 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, impeller in ETFE, outer-Ø 40 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

### Commutator motor F 458, 460 Watt, IP 55, with no volt release

with special corrosion-resistant painting, 16 ft power supply cable and plug

### Accessories:

Hose connection PVDF, 6 ft 3/4" PE lined chemical hose, 2 hose clips, quick action tap PVDF, seal FKM, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>458.60.010</b> /19.6 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>458.60.012</b> /20.3 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>458.6K.007</b> /19.6 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>458.6K.008</b> /20.3 lbs



## FLUX Pump Kit "AdBlue®"

For transferring "AdBlue®" DEF fluid out of containers.

Delivery rate max. 22.4 GPM, delivery head max. 59 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 7.9 GPM.

Temperature max. 122°F.

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

sealless, shaft in stainless steel 316 Ti, impeller 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, 500 Watt, IP 24, with speed-range adjustment and no volt release

with 16 ft power supply cable and plug

### Accessories:

Hose connection PP, 19 ft 5/8" special DEF hose, self-locking quick action tap, FLUX-Clip and compression gland PP conductive (G 2)

### Part No./Weight

1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>407.41.ZV6</b> /22.7 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>407.4K.ZV6</b> /22.7 lbs



\*Maximum performance data obtained with water (68°F) 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. 56.7 GPM, delivery head max. 32.8 ft\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 17.2 GPM.

Viscosity max. 600 cPs, temperature max. 176°F.

### 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, impeller in ETFE, outer-Ø 41 mm, thread on outlet G 1 1/4 A (BSP 1 1/4" male)

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

with 16 ft power supply cable and plug

### Accessories:

Hose connection AL, 6 ft 1" petroleum hose, 2 hose clips, quick action tap AL, seal NBR, FLUX-Clip, compression gland PP conductive (G 2)

### Part No./Weight

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>407.10.010</b> /14.1 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>407.10.012</b> /14.8 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>407.1K.001</b> /14.1 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>407.1K.002</b> /14.8 lbs



Delivery rate max. 58.1 GPM delivery head max. 39.3 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 21.2 GPM.

Viscosity max. 800 cPs, temperature max. 176°F.

Drum pump and accessories as above, but complete with

### Commutator motor F 457, 800 Watt, IP 24, with no volt release

with 16 ft power supply cable and plug

### Part No./Weight

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>457.10.010</b> /17.2 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>457.10.012</b> /17.6 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>457.1K.001</b> /17.2 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>457.1K.002</b> /17.6 lbs



# FLUX Pump Kit "Flammable Liquids"

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

Delivery rate max. 52.8 GPM, delivery head max. 31.3 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 13.2 GPM.

Viscosity max. 600 cPs, temperature max. 212°F.

**Drum pump FP 424 Ex S-43/38 in stainless steel tested and certified according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 1/2, for use in Zone 0.**

sealless, shaft in stainless steel 316 Ti, impeller 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, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 2, with no volt release**

with 16 ft power supply cable and safety plug (not explosion-proof)

**Accessories:**

Earth ground wire, universal hose 7/8", 6 ft long, complete with fittings in stainless steel on both ends, electrically conductive, quick action tap MS, seal PTFE, FLUX-Clip, compression gland PP conductive

**Part No./Weight**

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>460.24.010</b> /24.0 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>460.24.012</b> /25.1 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>460.2K.007</b> /24.0 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>460.2K.008</b> /25.1 lbs



Delivery rate max. 63.4 GPM, delivery head max. 42.6 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 14.5 GPM.

Viscosity max. 800 cPs, temperature max. 212°F.

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 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 2.**

**Part No./Weight**

1000 mm/39 in Length (for International Market)	<b>416.24.010</b> /16.3 lbs
1200 mm/47 in Length (for International Market)	<b>416.24.012</b> /17.4 lbs
1000 mm/39 in Length (for U.S. Market)	<b>416.2K.007</b> /16.3 lbs
1200 mm/47 in Length (for U.S. Market)	<b>416.2K.008</b> /17.4 lbs

\*Maximum performance data obtained with water (68°F) 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. 63.4 GPM, delivery head max. 42.6 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 13.2 GPM.

Viscosity max. 800 cPs, temperature max. 212°F.

**Drum pump F 430 S-41/38 in stainless steel tested and certified according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 1/2, for use in Zone 0.**

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

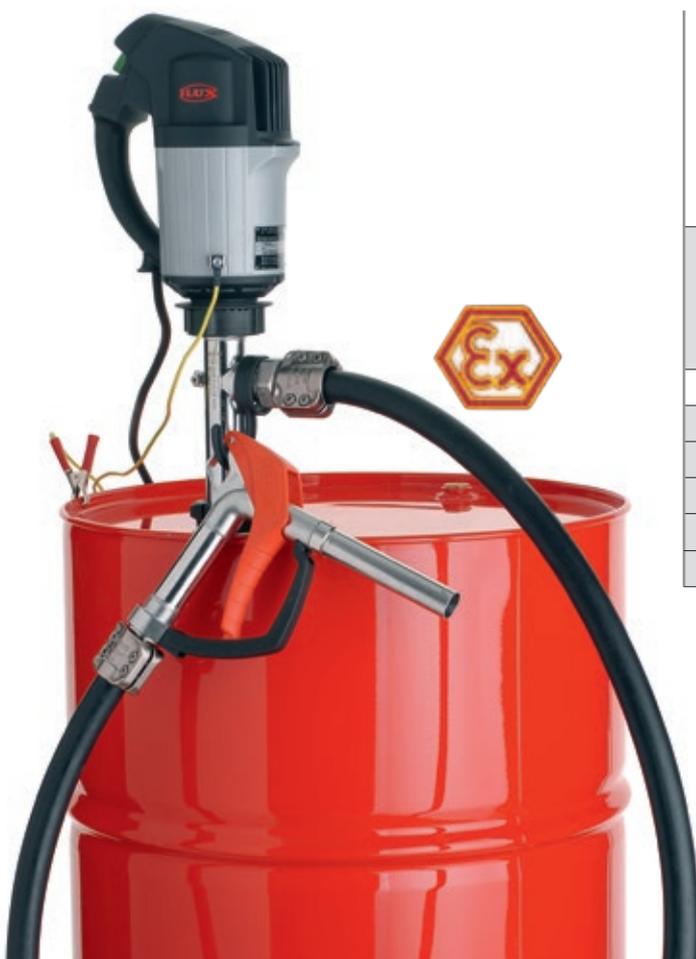
**Compressed air motor F 416 Ex, 470 Watt at 6 bar, explosion-proof to II 2 G c IIC T6 according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 2**

**Accessories:**

Earth ground wire, universal hose 7/8", 6 ft 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**

1000 mm/39 in Length (for International Market)	<b>416.20.010</b> /16.7 lbs
1200 mm/47 in Length (for International Market)	<b>416.20.012</b> /17.9 lbs
1000 mm/39 in Length (for U.S. Market)	<b>416.2K.009</b> /16.7 lbs
1200 mm/47 in Length (for U.S. Market)	<b>416.2K.010</b> /17.9 lbs



Delivery rate max. 52.8 GPM, delivery head max. 31.1 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 13.2 GPM.

Viscosity max. 600 cPs, temperature max. 212°F. Drum pump and accessories as above, but complete with

**Commutator motor F 460 Ex, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 2, with no volt release**

with 16 ft power supply cable and safety plug (not explosion-proof)

**Part No./Weight**

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>460.20.010</b> /24.5 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>460.20.012</b> /25.6 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>460.2K.009</b> /24.5 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>460.2K.010</b> /25.6 lbs

# FLUX Pump Kit "99.98 % Drum Emptying"



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

Delivery rate max. 30.4 GPM, delivery head max. 26.2 ft.\* When using the pump with a discharge hose and a hand tap, the delivery rate will be approx. 9.2 GPM.

Viscosity max. 600 cPs, temperature max. 212°F.

**Drum pump FP 425 Ex S-41/34 in stainless steel tested and certified according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 1/2, for use in Zone**

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

**Commutator motor F 460 Ex, 460 Watt, explosion-proof to II 2 G Ex d e IIC T6 and T5 Gb according to ATEX-Directive 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016), category 2, with no volt release**

with 16 ft power supply cable and safety plug (not explosion-proof)

**Accessories:**

Earth ground wire, universal hose 7/8", 6 ft long, complete with fittings in stainless steel on both ends, electrically conductive, quick action tap in stainless steel, seal PTFE/FEP, FLUX-Clip, compression gland PP conductive

**Part No./Weight**

1000 mm/39 in Length, 230V/50-60 Hz Motor	<b>460.25.010</b> /26.2 lbs
1200 mm/47 in Length, 230V/50-60 Hz Motor	<b>460.25.012</b> /27.3 lbs
1000 mm/39 in Length, 120V/60 Hz Motor	<b>460.2K.011</b> /26.2 lbs
1200 mm/47 in Length, 120V/60 Hz Motor	<b>460.2K.012</b> /27.3 lbs



## 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. Three models are available in PP, ETFE and Stainless steel for flow rates of 2.6 - 26.4 GPM.

An easy-to-read 7-digit LCD together with multi-functional 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 94/9/EC (valid until 04/20/2016) and ATEX-Directive 2014/34/EU (valid from 04/20/2016).

**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 (68°F) at the outlet connection of the pump, without discharge hose and hand tap.



A series of horizontal dotted lines spanning the width of the page, intended for writing notes.



More than just pumps



Today, the FLUX name is recognized 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 to fit your needs. FLUX pumps are used in the chemical and pharmaceutical industries; in machinery and plant engineering as well as companies in electroplating, water & wastewater treatment and the food and beverage 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 supplies pumps to almost 100 countries around the globe.

**FLUX PUMPS CORPORATION**

300 Townpark Drive, Suite 110

Kennesaw, GA 30144, USA

Phone 800-367-3589

[info@fluxpumpsusa.com](mailto:info@fluxpumpsusa.com)

[www.fluxpumpsusa.com](http://www.fluxpumpsusa.com)