



Pump kits

Pump kit "JUNIORFLUX" for low volumes

Pump with fixed motor

drum pump in polypropylene, sealless, with hastelloy C shaft, **commutator motor F 310**, 230 V, 50-60 Hz, 230 watt (with integral motor) and hand nozzle PP

- JUNIORFLUX F 314 PP-25/19 PVC hose DN 13, 1,5 m long

	immersion length	part no.	
for canister emptying	700 mm	10-31443007	●
for drum emptying	1.000 mm	10-31443010	●

- JUNIORFLUX F 314 PP-32/25 PVC hose DN 19, 1,5 m long

	immersion length	part no.	
for drum emptying	1.000 mm	10-31444010	●

Pump kit "JUNIORFLUX AdBlue®" * for low volumes

drum pump JUNIORFLUX F 314 PP/S-32/25 in polypropylene, with stainless steel shaft, sealless, **commutator motor F 310**, 230 V, 50 Hz, 230 watt (with integral motor), PVC hose DN 19, 2 m with hand nozzle PP AdBlue® * version with small outlet Ø 19 mm

	immersion length	part no.	
for drum emptying	1.000 mm	10-31444ZV2	●

Pump kit "COMBIFLUX" for low volumes

with removable battery motor

drum pump in polypropylene, sealless, hastelloy C shaft, brushless DC, **battery motor FBM-B 3100**, includes 18 V Li-Ion battery, charger 220-240 V, 50-60 Hz, with hand nozzle PP

- COMBIFLUX FP 314 PP-25/19, PVC hose DN 13, 1,5 m long

	immersion length	part no.	
for canister emptying	700 mm	10-31448807	●
for drum emptying	1.000 mm	10-31448810	●

- COMBIFLUX FP 314 PP-32/25, PVC hose DN 19, 1,5 m long

	immersion length	part no.	
for drum emptying	1.000 mm	10-31449910	●

Pump kit „COMBIFLUX AdBlue®" * for low volumes

with removable battery motor

drum pump COMBIFLUX FP 314 PP/S-32/25 in polypropylene with stainless steel shaft, sealless, brushless DC **battery motor FBM-B 3100**, includes 18 V Li-Ion battery, charger 220-240 V, 50-60 Hz, PVC hose DN 19, 2 m long with hand nozzle PP AdBlue® * version with small outlet Ø 19 mm

	immersion length	part no.	
for drum emptying	1.000 mm	10-31449ZV2	●



* AdBlue® is a registered trademark of: Verband der Automobilindustrie e. V. (VDA)

Pump kits about series F 400

Pump kit "acids and alkalis"

drum pump in polypropylene with hastelloy C shaft, **commutator motor FEM 4070**, 230 V, 50 Hz, 500 watt with speed control and no-volt-release, PVC hose DN 19, 2 m long with hand nozzle in PP and compression gland PP (G 2" male)

- drum pump **F 430 PP-40/33** with mechanical seal, seal material FKM

	immersion length	part no.	
for drum emptying	1.000 mm	10-40740010	●
for IBC emptying	1.200 mm	10-40740012	●

- drum pump **F 424 PP-41/36** sealless

	immersion length	part no.	
for drum emptying	1.000 mm	10-40744010	●
for IBC emptying	1.200 mm	10-40744012	●

Pump kit "concentrated acids"

drum pump **F 430 PVDF-40/33** in polyvinylidene fluoride with hastelloy C shaft, mechanical seal, seal material FKM, **commutator motor F 458**, 230 V, 50 Hz, 460 watt with no-volt-release, chemical hose DN 19, 2 m long with hand nozzle in PVDF, compression gland PP (G 2" male)

	immersion length	part no.	
for drum emptying	1.000 mm	10-45860010	●
for IBC emptying	1.200 mm	10-45860012	●

Pump kit "FES 800" for the transfer of cleaning and disinfecting agents

drum pump **F 424 PP-41/36** in polypropylene with hastelloy C shaft, sealless, with FLUX fume gland (FES), **commutator motor FEM 4070**, 230 V, 50 Hz, 500 watt, with speed control and no-volt-release, PVC hose DN 19, 2 m long and hand nozzle PP

	immersion length	part no.	
for 60 litre containers	800 mm	10-40744208	●

Pump kit "AdBlue®" * for IBC emptying

container pump **F 424 PP/S-41/35 Z** in polypropylene with stainless steel shaft, sealless, **commutator motor FEM 4070**, 230 V, 50 Hz, 500 watt, with speed control and no-volt-release

- with PVC hose DN 19, 3 m long, with hand nozzle in PP and compression gland PP (G 2" male)

	immersion length	part no.	
for IBC emptying	1.200 mm	10-40744112	●

- with special hose DN 16, 6 m long, with **hand nozzle with auto-stop function** in AL and compression gland PP (G 2" male)

	immersion length	part no.	
for IBC emptying	1.200 mm	10-407412V6	●

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Pump kits

Pump kit "petroleum products"

drum pump **F 430 AL-41/38** in aluminium with stainless steel shaft, mechanical seal, seal material NBR, petroleum hose DN 25, 2 m long, hand nozzle AL and compression gland PP (G 2" male)

- with **commutator motor FEM 4070**, 230 V, 50 Hz, 500 watt with speed control and no-volt-release

	immersion length	part no.	
for drum emptying	1.000 mm	10-40710010	●
for IBC emptying	1.200 mm	10-40710012	●

- with **commutator motor F 457**, 230 V, 50 Hz, 800 watt, with no-volt-release

	immersion length	part no.	
for drum emptying	1.000 mm	10-45710010	●
for IBC emptying	1.200 mm	10-45710012	●



Pump kit "highly flammable liquids"

drum pump **FP 424 Ex S-43/38** for applications in Zone 0, Ex-marking II 1/2 G Ex h IIB T4...T3 Ga/Gb, in stainless steel with stainless steel shaft, sealless, 2 m earth wire, universal hose DN 21, 2 m long, electrically conductive with brass hose fittings and hand nozzle in brass, compression gland PP electrically conductive (G 2" male)

- with **commutator motor F 460 Ex**, 230 V, 50 Hz, 460 watt, with no-volt-release for applications in Zone 0, Ex-marking II 2 G Ex db eb IIC T6 or T5 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-46024010	●
for IBC emptying	1.200 mm	10-46024012	●

- with **commutator motor F 460 Ex EL**, 230 V, 50 Hz, 460 Watt, with no-volt-release, with electronic speed adjustment for use in zone 1, Ex marking II 2 G Ex db eb IIC T6 resp. T5 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-46024110	●
for IBC emptying	1.200 mm	10-46024112	●

- with **compressed-air motor F 416 Ex**, 470 watt at 6 bar for applications in Zone 0, Ex-marking II 2G Ex h IIC T6 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-41624010	●
for IBC emptying	1.200 mm	10-41624012	●



Pump kit "99,98 % drum emptying"

drum pump **FP 425 Ex S-41/34** for applications in Zone 0, Ex-marking III 1/2 G Ex h IIB T4...T3 Ga/Gb, in stainless steel with stainless steel shaft, mechanical seal (FKM), 2 m earth wire, universal hose DN 21, 2 m long electrically conductive with stainless steel hose fittings and hand nozzle, compression gland PP electrically conductive (G 2" male)

- with **commutator motor F 460 Ex**, 230 V, 50 Hz, 460 watt with no-volt-release for applications in Zone 1, Ex-marking II 2 G Ex db eb IIC T6 or T5 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-46025010	●
for IBC emptying	1.200 mm	10-46025012	●



Pump kit "universal applications"

drum pump **F 430 S-41/38** in stainless steel, for applications in Zone 0, Ex-marking II 2G Ex h IIB T4 Gb X with stainless steel shaft, mechanical seal (FKM), 2 m earth wire, universal hose DN 21, 2 m long electrically conductive with stainless steel hose fittings and hand nozzle, compression gland PP electrically conductive (G 2" male)

- with **commutator motor F 460 Ex**, 230 V, 50 Hz, 460 watt with no-volt-release for applications in Zone 1, Ex-marking II 2 G Ex db eb IIC T6 or T5 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-46020010	●
for IBC emptying	1.200 mm	10-46020012	●

- with **compressed-air motor F 416 Ex**, 470 watt at 6 bar for applications in Zone 1, Ex-marking II 2G Ex h IIC T6 Gb

	immersion length	part no.	
for drum emptying	1.000 mm	10-41620010	●
for IBC emptying	1.200 mm	10-41620012	●

Pump kit MINIFLUX

drum pump **MINIFLUX S-41/38-136** in stainless steel with stainless steel shaft, mechanical seal FKM, PVC hose DN 19, 2 m long, hand nozzle PP

- with **commutator motor FEM 4070**, 230 V, 50 Hz, 500 watt with speed control and no-volt-release

	part no.	
for IBC emptying	10-40729000	●

Pump kit "fire brigade"

drum pump **F 430 PP-40/33** in polypropylene with hastelloy C shaft, mechanical seal, seal material FKM

- with **commutator motor F 458**, 24 V DC, 410 watt, PVC hose DN 19, 2 m with hand nozzle PP

	immersion length	part no.	
for drum emptying	1.000 mm	10-45840610	●

Pump kit "fire brigade" for industrial applications up to 25.000 mPas

Progressive cavity pump **VISCOPOWER F 570 1200 FKM** FKM SP TS R52 PTFE G16 F 570 planetary gear, with ratio 1:16 torsion shaft, in stainless steel, with open mechanical seal, seal made of FKM, outer Ø 53 mm, connection Clamp 2", food and chemical hose DN 32, 2,5 m long, discharge spout in stainless steel

- with **commutator motor F458-1**, 230 V, 700 Watt, IP 55, with no-volt release

	immersion length	part no.	
or drum emptying	1.200 mm	10-45890004	●



Pump kits

Pump kit for food and pharmaceuticals

FP 427 S-43/38 FOOD drum pump in stainless for contact with food in accordance with (EC) 1935/2004 and FDA CFR 21
Sealless, materials in contact with medium in stainless steel, PTFE, FKM, outer tube diameter 43 mm, 1 1/2" clamp connection, food hose DN 25, 2 m long, with hose fittings and hand nozzle in stainless steel, compression gland PP (G 2)

- with **commutator motor F 458**, 230 Volt, 50 Hz, 460 Watt, IP 55 with no-volt release, with special sealing for extreme usage conditions

	immersion length	part no..	
for drum emptying	1.000 mm	10-45827610	●
for IBC emptying	1.200 mm	10-45827612	●



Pump kit for food and pharmaceuticals in Ex version

FP 430 Ex FOOD S-41/38 drum pump in stainless for contact with food in accordance with (EC) 1935/2004 and FDA CFR 21
Ex marking II 2G Ex h IIB T4 Gb X, for use in zone 0
With mechanical seal in oxide ceramics, PTFE/carbon, seals in FKM, shaft and rotor in stainless steel 316 Ti, outer diameter 41 mm, 1 1/2" clamp connection food hose DN 19, 2 m long, with hose fittings and hand nozzle in stainless steel, compression gland PP (G 2)

- with **commutator motor F 460 Ex**, 230 Volt, 50 Hz, 460 Watt, Ex marking II 2G Ex db eb IIC T6 Gb with no-volt release

	immersion length	part no..	
for drum emptying	1.000 mm	10-46020510	●
for IBC emptying	1.200 mm	10-46020512	●



Pump kit for food and pharmaceuticals up to 25.000 mPas

Progressive cavity pump VISCOPOWER

F 570 FOOD FKMc FKM SP TS R33 PTFE G16

for contact with food in accordance with (EC) 1935/2004 and FDA CFR 21
F 570 planetary gear, ratio 1:16, torsion shaft, in stainless steel, with closed mechanical seal, seals made of FKM, outer Ø 53 mm, connection Clamp 2", stator material PTFE, food hose DN 25, 2.5 m long, with hose fittings and discharge spout in stainless steel, compression gland PP (G 2)

- with **commutator motor F 458-1**, 230 Volt, 50 Hz, 700 Watt, IP 55, with no-volt release, connection cable 5 m

	immersion length	part no..	
for drum emptying	1.000 mm	10-45890002	●
for IBC emptying	1.200 mm	10-45890003	●



Pump kit for industrial applications up to 30.000 mPas

Progressive cavity pump VISCOPOWER

F 570 FKMo FKM SP TS R33 PTFE G16

F 570 planetary gear, ratio 1:16, torsion shaft, in stainless steel, with closed mechanical seal, seals made of FKM, outer Ø 53 mm, connection Clamp 2" with adapter on G 1 1/2" external thread, stator material PTFE, food hose DN 32, 2.5 m long, with hose fittings and discharge spout in stainless steel, compression gland PP (G 2)

- with **commutator motor F 457**, 230 Volt, 50 Hz, 800 Watt, with splash water protection IP 24, with no-volt release, 5 m connection cable

	immersion length	part no..	
for drum emptying	1.000 mm	10-45790002	●
for IBC emptying	1.200 mm	10-45790003	●



JUNIORFLUX/COMBIFLUX (series 300)

for low volumes



JUNIORFLUX (series 300)

with integral motor

JUNIORFLUX F 310 with mechanical seal, in polypropylene with hastelloy C shaft

seal in FKM, G1" male discharge connection with **commutator motor F 310**, 230 V, 50 Hz, 230 watt, splash-proof to IP 24. Without hose connections. PP-25 suitable for narrow openings < 32 mm.

• F 310 PP-25/19

immersion length	part no.	
500 mm	10-31041005	●
700 mm	10-31041007	●
1.000 mm	10-31041010	●

• F 310 PP-32/25

immersion length	part no.	
500 mm	10-31042005	●
700 mm	10-31042007	●
1.000 mm	10-31042010	●

JUNIORFLUX F 314 sealless, with hastelloy C shaft

G1" male discharge connection with **commutator motor F 310**, 230 V, 50 Hz, 230 watt, splash-proof to IP 24. Without hose connections. PP-25 and PVDF-25 models suitable for narrow openings < 32 mm. Not recommended for small solids, abrasive or crystallising liquids.

• F 314 PP-25/19 in polypropylene

immersion length	part no.	
500 mm	10-31441005	●
700 mm	10-31441007	●
1.000 mm	10-31441010	●

• F 314 PP-32/25 in polypropylene

immersion length	part no.	
500 mm	10-31442005	●
700 mm	10-31442007	●
1.000 mm	10-31442010	●

• F 314 PVDF-25/19 in polyvinylidene fluoride

immersion length	part no.	
500 mm	10-31461005	●
700 mm	10-31461007	●
1.000 mm	10-31461010	●

JUNIORFLUX F 314, sealless, in stainless steel, with stainless steel shaft

G ¾" male discharge connection with **commutator motor F 310**, 230 V, 50 Hz, 230 watt, splash-proof to IP 24, without hose connections. Not recommended for abrasive or crystallising liquids.

• F 314 S-28/25

immersion length	part no.	
500 mm	10-31421005	●
700 mm	10-31421007	●
1.000 mm	10-31421010	●



Hose connection see page 14

COMBIFLUX (series 300)

with separate motor



Drum pump FP 314, sealless, combined with commutator motor (FEM 3070) or battery motor (FBM-B 3100). Not recommended for small solids, abrasive or crystallising liquids.

COMBIFLUX FP 314, sealless pump

- **FP 314 PP-25/19** in polypropylene with **hastelloy C shaft**, G 1" male discharge connection. Without hose connections

immersion length	part no.	
500 mm	10-31445905	●
700 mm	10-31445907	●
1.000 mm	10-31445910	●

- **FP 314 PVDF-25/19** in polyvinylidene fluoride with **hastelloy C shaft**, G 1" male discharge connection. Without hose connections

immersion length	part no.	
500 mm	10-31465905	●
700 mm	10-31465907	●
1.000 mm	10-31465910	●

- **FP 314 PP-32/25** in polypropylene with **hastelloy C shaft**, G 1" male discharge connection. Without hose connections

immersion length	part no.	
500 mm	10-31446905	●
700 mm	10-31446907	●
1.000 mm	10-31446910	●
1.200 mm	10-31446912	●

- **FP 314 S-28/25** in stainless steel with **stainless steel shaft**, G ¾" male discharge connection. Without hose connections

immersion length	part no.	
500 mm	10-31426905	●
700 mm	10-31426907	●
1.000 mm	10-31426910	●
1.200 mm	10-31426912	●



F 300

Drive motors suitable for COMBIFLUX FP 314

- **commutator motor FEM 3070**, 230 watt, splash-proof to IP 24 with 5 m cable and plug

	part no.	
230 V, 50-60 Hz	10-30701000	●
240 V, 50 Hz	10-30701001	●
120 V, 60 Hz	10-30701002	●
110 V, 50-60 Hz	10-30701003	●
100 V, 50-60 Hz	10-30701004	● ●



- **brushless DC battery motor FBM-B 3100**, with electronic temperature control, splash-proof to IP 44, includes Li-Ion 18 V, 2.5 Ah battery

	part no.	
with charger 220-240 V, 50-60 Hz	10-30101000	●
with charger 100-120 V, 50-60 Hz	10-30101003	●
without charger	10-30101001	●



Accessories for battery motor FBM-B 3100

- **battery without charger**, type Li-ion, 18 V, 2.5 Ah

	part no.	
B25-3100	10-30102002	●

- **charger without battery**, BCH-3100, 50-60 Hz

	part no.	
220-240 V	10-30102003	●
100-120 V	10-30102004	●



Hose connection see page 14

Accessories

JUNIORFLUX/COMBIFLUX (series 300)

F 300

Hose connections consisting of hose connector and union nut for JUNIORFLUX F 310/F 314 and COMBIFLUX FP 314

material	nominal Ø	part no.	
PP	DN 13/DN 19	10-95904135	●
PVDF	DN 13	10-95904071	●
PVDF	DN 19	10-95904072	●
S	DN 13	10-95904133	●
S	DN 19	10-95904147	●



PVC hoses

	operating pressure max.	part no.	
DN 13 outer Ø 20 mm (with fabric lining)	10 bar	10-00110008	●
DN 19 outer Ø 27 mm (with steel wire-helix)	5 bar	10-00110040	●

Stepless 1-ear hose clips for PVC hoses

	part no.	
DN 13	10-95913237	●
DN 19	10-95913241	●



Hand nozzles

material	nominal Ø	outlet-Ø	part no.	
PP	DN 13	11 mm	10-00113034	●
PP	DN 19	11 mm	10-00113039	●
PP	DN 19	22 mm	10-00112500	●
PVDF	DN 19	22 mm	10-00112501	●
S	DN 19	28 mm	10-00112541	●
S	G 3/4	28 mm	10-00112555	●



Hose kit for JUNIORFLUX/COMBIFLUX

PVC hose 1,5 m long with hand nozzle in PP (spout Ø 11 mm), hose connection and hose clip

connection	part no.	
DN 13	10-00110825	●
DN 19	10-00110846	●



Discharge spout for JUNIORFLUX/COMBIFLUX

Material: PP

connection	part no.	
union nut G 1	10-95907008	●



Flow meter FMT 120 PP with interlocked wheel impeller in the measuring chamber

in conjunction with our JUNIORFLUX/COMBIFLUX pumps. Construction in PP with fibreglass, not ex-proof, outlet connection G 1" male, O-ring PTFE

inlet connection female	part no.	
G 1	10-A0500101	●
G 1 1/4	10-A0500102	●



Drum adaptor for safety attachment of the JUNIORFLUX/COMBIFLUX pumps in canisters or plastic drums

	material	pump-Ø	part no.	
canister bunghole 40 - 70 mm	PVC	32 mm	10-00114081	●
canister bunghole 40 - 70 mm	PP/PVC	28 mm	10-00114079	●
canister bunghole 40 - 70 mm	PP/PVC	25 mm	10-00114080	●
canister bunghole 40 - 70 mm	PVDF/PVC	28 mm	10-00114082	●
canister bunghole 40 - 70 mm	PVDF/PVC	25 mm	10-00114083	●

