






Summary of FLUX pump series

Identify the best pump for your application

FLUX Pump	300 series Juniorflux & Combiflux centrifugal pumps	400 series heavy-duty centrifugal pumps	500 series ViscoPower progressive cavity pumps
			
Models	Junior F310 with mechanical seal Junior F314 seal-less Combi F314 seal-less with quick-release motor	F424 seal-less, F425 99.9% emptying, F426 mixing, F427 sanitary, F430 with mechanical seal, F430 Miniflux, F430 TR	F570 with single-stage gearbox F570 with double-stage gearbox F580 with bearing flange F570 TR, F580 TR
Typical application	Mobile transfer pump for smaller quantities and container sizes	Mobile transfer & dispensing of larger quantities, heavy-duty applications and programmable batch filling. Custom lengths for tank emptying	Mobile transfer & dispensing of medium to high viscosity media, shear-sensitive media, adhesive media, including programmable batch filling
Typical pump installation	Vertical in container	Vertical in container On IBC outlet (MiniFlux) Baseplate or trolley mounted for IBC or tank application (TR)	Vertical in container Baseplate or trolley mounted for IBC or tank application (TR)
Typical container	Small container from 25 l 200-220 litre drum 1000 litre IBC (Combi only)	Small container from 25 l 200-220 litre drum 1000 litre IBC (vertical/horizontal)	Small container from 25 l 200-220 litre drum 1000 litre IBC (vertical/horizontal)
Pump body material	PP, PVDF, SS 316	Aluminium, PP, PVDF, SS 316, hastelloy C	SS 316
Typical pump length (vertical install)	Junior 500, 700, 1000 mm Combi 500, 700, 1000, 1200 mm	500, 700, 1000, 1200 mm Custom lengths available on request	700, 100, 1200 mm
Pump diameter	25, 28, 32 mm	41, 43, 50, 100 mm	50, 53 mm
Max flow rate*	60 l/min	240 l/min	50 l/min
Head max**	0.85 bar	2.4 bar (3.2 Bar)	15 bar
Viscosity max***	250 mPas	1,000 mPas	100,000 mPas
Density max^	1.3 SG	1.9 SG	1.9 SG
Available certificates (depending on model)			
Special features / options	Add flowmeter for visual indication of quantity dispensed. Mechanically sealed pumps for abrasive media. Seal-less pumps for pure, non-abrasive liquids. Available as pre-assembled pump kit including hose and hand nozzle	Choice of o-ring materials. High flow or high pressure (z) impellers. Mechanically sealed pumps for abrasive media. Add programmable batch dispense system for accurate filling. Food and ATEX options. Available as pre-assembled pump kit including hose and hand nozzle	Choice of o-ring materials. 3 rotor & stator geometries available. Hardened rotor for abrasive media. PTFE, NBR or FKM stators. Single-stage gearbox for very high viscosity adhesive media. Bearing flange for high torque applications. Dismantle for cleaning in 30 seconds
Motor options^^	2-speed IP24 single-phase 240V or 110V electric. Variable speed brushless DC battery motor	Single-phase 240V or 110V electric: >Fixed or variable speed. >Standard or ATEX. >500, 700 or 800W. >IP24 or IP55. Variable speed ATEX compressed air motors. 12/24V DC electric (IP55). Three-phase gear motors 230/400V	F570: Single-phase 240V or 110V electric: >Fixed or variable speed. >Standard or ATEX >700 or 800W. >IP24 or IP55. F580: Three-phase motors 230/400V. F570 & F580: Variable speed ATEX compressed air motors

Max flow rate*- Measured with water @ 20 deg C at pump discharge port without hose or hand nozzle

Head max**- Impeller pumps measured with water @ 20 deg C in closed valve condition. 15 bar max allowable discharge pressure for Viscopower. 3.2 bar = F430 100 mm IBC pump only.

Viscosity max***- Typical value, depends on rheology and behaviour of media when pumped.

Density max^- Assumes continuous duty application. Junior/Combi pumps suitable for transfer of higher density fluids in small quantities.

Motor options^^- All Flux motors are S1 rated, i.e. suitable for continuous operation.