



Type motor	F 458 F 458 EL			F 460 Ex F 460 Ex EL			F 414			F 414 Ex			F 416Ex		F 416-1Ex	
Typ barrel pump	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Delivery rate* l/min	Delivery head** m			
F 430 S-41/38	200	9,5	800	185	11	900	240	13								
F 430 S-41/37 Z	100	14	1000	115	12	1000	120	24								
F 430 S-50/38	200	9,5	800	185	11	900	240	13								
F 430 S-50/45 Z	130	19	900	160	21	1000	145	30								
F 424 S-43/38	200	9,5	800	185	11	900	240	13								
F 424 S-43/37 Z	100	14	1000	115	12	1000	120	24								
F 424 S-50/45 Z	130	19	900	160	21	1000	145	30								
F 425 S-41/34	115	8	800	100	7	1000	130	13								
F 426 S-41/38	200	9,5	800	185	11	900	240	13								
F 427 S3-43/38	200	9,5	800	185	11	900	240	13								
F 430 AL-41/38	200	9,5	800	185	11	900	240	13								
F 430 AL-41/37 Z	100	14	1000	115	12	1000	120	24								
F 430 AL-50/38	200	9,5	800	185	11	900	240	13								
F 430 HC-40/38	200	9,5	800	185	11	900	240	13								
F 430 PP/PVDF-40/33	170	9,5	800	145	10	1000	205	13								
F 430 PP/PVDF-40/33 Z	85	15	1000	90	11	1000	100	24								
F 430 PP/PVDF-50/38	200	9,5	800	185	11	900	240	13								
F 430 PP/PVDF-50/43 Z	95	23	1000	105	21	1000	105	30								
F 424 PP/PVDF-41/36	170	9,5	800	145	10	1000	205	13								
F 424 PP/PVDF-41/35 Z	85	15	1000	90	11	1000	100	24								
F 424 PP/PVDF-50/38	200	9,5	800	185	11	900	240	13								
F 424 PP-50/43 Z	95	23	1000	105	21	1000	105	30								
F 425 PP-50/34	90	7	1000	90	8	1000	110	12								
F 426 PP-50/33	170	9,5	800	145	10	900	205	13								

Values \pm 10% with water at (20 °C), obtained with 230 Volt motor.



F416-2Ex	F 417		F 417 EL	F 458-1		F 460-1Ex		F 457	F 457 EL	
Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	Delivery rate* l/min	Delivery head** m	Viscosity max. mPas (Δ cP)	
1000	180	7,5	600	220	12	700	220	12	800	
1200	95	12	800	115	19	900	120	20	1000	
1000	180	7,5	600	220	12	700	220	12	800	
1200	115	17	800	145	25	900	150	26	900	
1000	180	7,5	600	220	12	700	220	12	800	
1200	95	12	800	115	19	900	120	20	1000	
1200	115	17	800	145	25	900	150	26	900	
1200	100	6	800	115	10	900	120	11	900	
1000	180	7,5	600	220	12	700	220	12	800	
1000	180	7,5	600	220	12	700	220	12	800	
1000	180	7,5	600	220	12	700	220	12	800	
1200	95	12	800	115	19	800	120	20	1000	
1000	180	7,5	600	220	12	700	220	12	800	
1000	180	7,5	600	220	12	700	220	12	800	
1200	150	7,5	800	190	12	900	190	12	800	
1200	80	12	800	90	20	900	90	20	1000	
1000	180	7,5	600	220	12	700	220	12	800	
1200	80	17	800	110	28	900	110	30	900	
1200	150	7,5	800	190	12	900	190	12	800	
1200	80	12	800	90	20	900	90	20	1000	
1000	180	7,5	600	220	12	700	220	12	800	
1200	80	17	800	110	28	900	110	30	900	
1200	80	6	800	110	10	900	120	11	1000	
1200	150	7,5	800	190	12	900	190	12	800	

* Maximum delivery rate with free outlet; obtained on the outlet connection.

** Maximum delivery head with closed outlet; obtained on the outlet connection.

JUNIORFLUX F 310 PP WITH MECHANICAL SEAL



Type/Curve	F 310 PP-25/19	F 310 PP-32/25
Delivery rate max.	27 l/min	47 l/min
Delivery head max.	5,0 m	6,8 m
Viscosity max.	500 mPas (cP)	500 mPas (cP)
Temperature max.	45 °C	45 °C
Seal type	mechanical seal	mechanical seal
Material (wetted parts)	Polypropylene, ETFE, ceramic oxide/PTFE/carbon, FPM (Viton®), Hastelloy C	
Outer-Ø	25 mm	32 mm
Thread on outlet	G 1 A (BSP 1" male) Hose connections DN 13 and DN 19 included with the pump.	
Motor	Commutator motor 230 Watt, 240, 230, 50 Hz or 110 Volt, 50-60 Hz, double insulated, protection class II, splash-proof to IP 24, with overload cut-out switch, 2-speed switch, 5 m power supply cable with 2-pole plug	

Part No. 230 Volt*/Weight

Immersion length 500 mm	310 41 005/1,8 kg	310 42 005/1,8 kg
Immersion length 700 mm	310 41 007/2,0 kg	310 42 007/2,0 kg
Immersion length 1000 mm	310 41 010/2,1 kg	310 42 010/2,1 kg

Part No. 240 Volt*/Weight

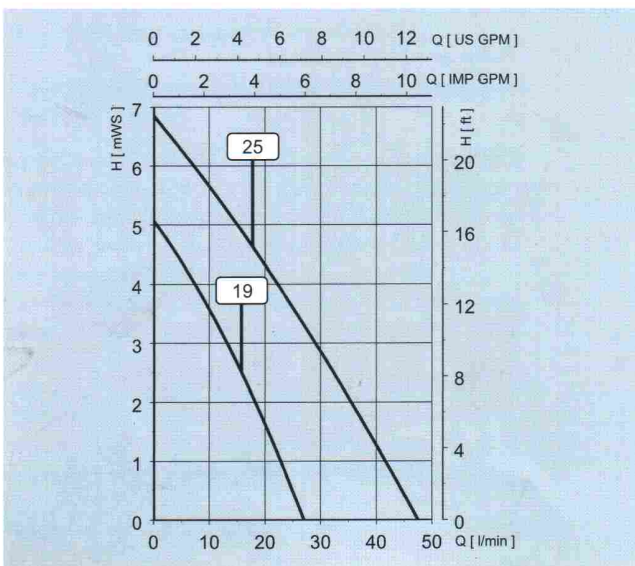
Immersion length 500 mm	310 41 405/1,8 kg	310 42 405/1,8 kg
Immersion length 700 mm	310 41 407/2,0 kg	310 42 407/2,0 kg
Immersion length 1000 mm	310 41 410/2,1 kg	310 42 410/2,1 kg

Part No. 110 Volt*/Weight

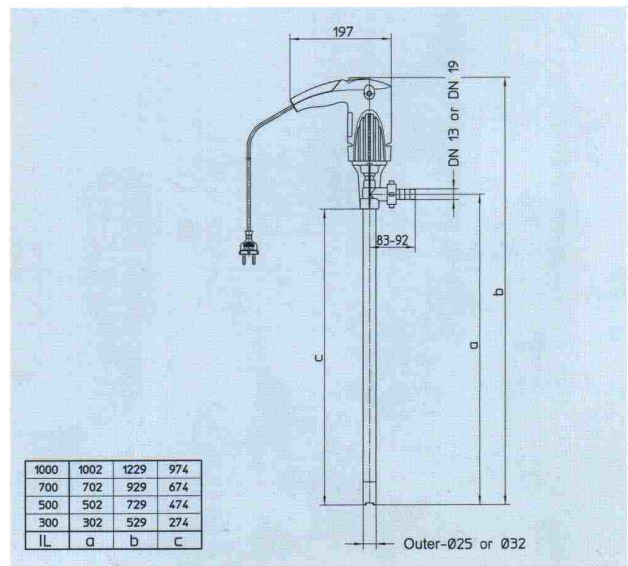
Immersion length 500 mm	310 41 205/1,8 kg	310 42 205/1,8 kg
Immersion length 700 mm	310 41 207/2,0 kg	310 42 207/2,0 kg
Immersion length 1000 mm	310 41 210/2,1 kg	310 42 210/2,1 kg

*tested to German VDE and GS specifications

Performance Chart



Dimensions F 310 PP-25/19 and F 310 PP-32/25



JUNIORFLUX F 314 PP AND F 314 S SEALLESS



F 314 PP-25/19



F 314 S-28/25

Type/Curve	F 314 PP-25/19	F 314 S-28/25
Delivery rate max.	40 l/min	57 l/min
Delivery head max.	5,2 m	8,5 m
Viscosity max.	500 mPas (cP)	500 mPas (cP)
Temperature max.	45 °C	60 °C
Seal type	sealless	sealless
Material (wetted parts)	Polypropylene, ETFE, PTFE/carbon, Hastelloy C	stainless steel 316 Ti, ETFE, PTFE/carbon
Outer-Ø	25 mm	28 mm
Thread on outlet	G 1 A (BSP 1" male) Hose connections DN 13 and DN 19 included with the pump	G 3/4 A (BSP 3/4" male) Part numbers of hose connections see Accessories Page 6
Motor	Commutator motor 230 Watt, 240, 230, 50 Hz or 110 Volt, 50-60 Hz, double insulated, protection class II, splash-proof to IP 24, with overload cut-out switch, 2-stage switch, 5 m power supply cable with 2-pole plug.	

Part No. 230 Volt*/Weight

Immersion length 500 mm	314 41 005/1,8 kg	314 21 005/2,8 kg
Immersion length 700 mm	314 41 007/2,0 kg	314 21 007/3,0 kg
Immersion length 1000 mm	314 41 010/2,1 kg	314 21 010/3,2 kg

Part No. 240 Volt*/Weight

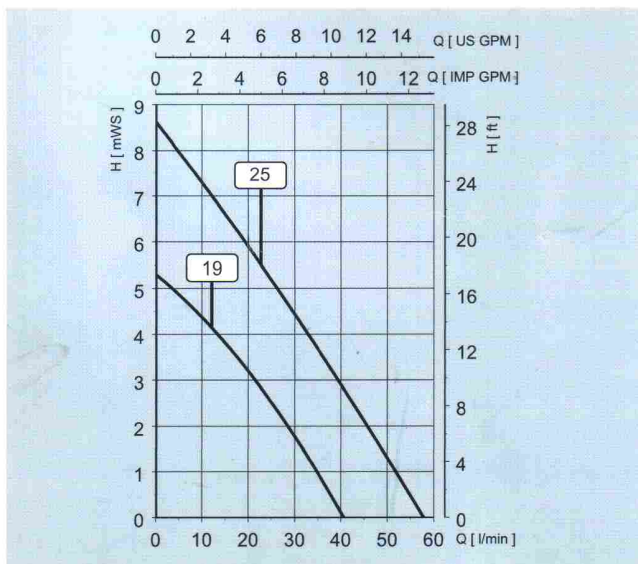
Immersion length 500 mm	314 41 405/1,8 kg	314 21 405/2,8 kg
Immersion length 700 mm	314 41 407/2,0 kg	314 21 407/3,0 kg
Immersion length 1000 mm	314 41 410/2,1 kg	314 21 410/3,2 kg

Part No. 110 Volt*/Weight

Immersion length 500 mm	314 41 205/1,8 kg	314 21 205/2,8 kg
Immersion length 700 mm	314 41 207/2,0 kg	314 21 207/3,0 kg
Immersion length 1000 mm	314 41 210/2,1 kg	314 21 210/3,2 kg

*tested to German VDE and GS specifications

Performance Chart



Dimensions F 314 PP-25/19 and F 314 S-28/25

