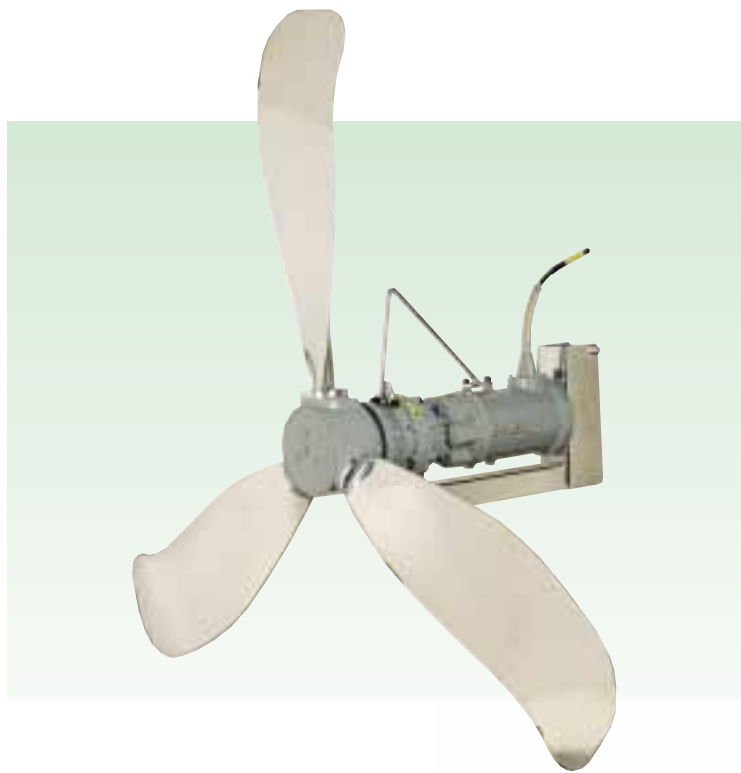


Flowmaker POPL-I

Landia flowmaker with low propeller rotation speed, from 1,5 - 5,5 kW. For flow creation at lowest possible energy consumption. Applicable in tanks for aeration and denitrification processes.

Adjustable pitch of propeller blades to optimize efficiency.



- Hydrodynamic propeller shaped for smooth optimum flow creation.
- Triple shaft sealing system against the liquid.
- Sturdy gear giving the propeller ideal rotations/efficiency.
- Propeller blades of stainless steel or 2-component coated steel.
- Pressure tested waterproof motor housing in protection class IP 68.
- Stator in insulation class F, thermal sensors in windings.
- Can be supplied with explosion proof motor.
- Complete lifting and guide arrangements for stationary installation, also stainless steel or according to individual requirements.

Quality in every detail

Flowmaker POPL-I

■ Performances and specifications:

Propeller AISI 304 Article no.	Propeller 2-comp. Article no.	Motor size kW	Motor series	Motor rpm	Propeller rpm	Propeller adjustable kW	Propeller diameter mm	Weight kg
1518301	1518401	1,5	100	750	16	1,0-1,5	2300	225
1518302	1518402	2,2	112	750	16	1,5-2,2	2300	232
1518503	1518603	3,0	112	750	23	2,0-3,0	2300	239
1514304	1514404	4,0	100	1500	32	3,0-4,0	2300	227
1514505	1514605	5,5	112	1500	32	4,0-5,5	2300	245
1618301	1618401	1,5	100	750	23	1,0-1,5	1700	204
1614302	1614402	2,2	90	1500	32	1,5-2,2	1700	182
1614303	1614403	3,0	100	1500	32	2,2-3,0	1700	202
1614304	1614404	4,0	100	1500	46	3,0-4,0	1700	206
1614305	1614405	5,5	112	1500	46	4,0-5,5	1700	215

■ Motor:

3-phase AC motor, 50 Hz, Voltage: 400V.

The flowmaker is equipped with 3 propeller blades. The propeller blades are adjustable for higher or lower energy output in order to achieve the required flow at lowest possible cost.

All specifications and performances are applicable for water.

Soft-starter must be applied for this type of flowmaker.

Peripheral speed of propeller is down to 2 m per sec.

■ Materials:

Motor housing:	cast iron AISI A48-40B, 2-component coated
Oil chamber:	cast iron AISI A48-40B, 2-component coated
Hub:	cast iron AISI A48-40B, 2-component coated
Propeller:	stainless steel AISI 304 or 2-component coated
Gear shaft:	steel AISI 9840 sealed against the liquid
Screws:	acidproof stainless steel

The motor, gear and hub are 2-component coated.

■ The following information should be given with each inquiry:

- purpose of application
- dimensions of silo/tank
- type of liquid
- dry matter content
- expected working periods/intervals
- possible flow volume through the tank

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