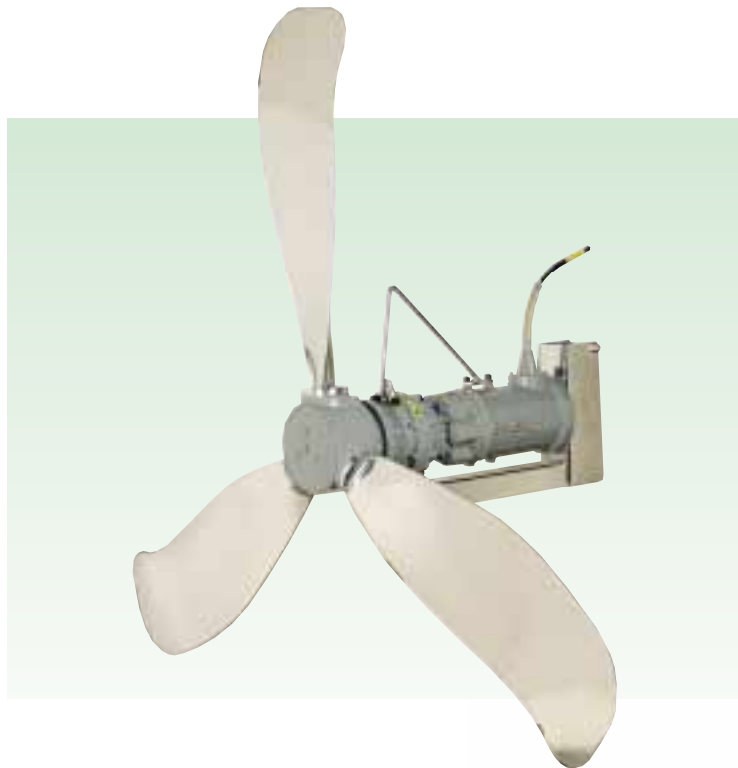


## Flowmaker POPL-I

Landia flowmaker with low propeller speed, available in 2.4-9.0 HP.  
For flow creation at lowest possible energy consumption. Applicable in ditches and tanks for nitrification and denitrification processes.  
Adjustable pitch of propeller blades to optimize efficiency.



- Hydrodynamic propeller designed for optimum flow creation.
- Triple shaft sealing system.
- Sturdy planetary gear system giving the propeller ideal speed / efficiency.
- Propeller blades of stainless steel or 2-component coated steel.
- Pressure tested waterproof motor casing, IP 68 rated.
- Stator in insulation class F, thermal sensors embedded in windings.
- Available with explosion proof motor.
- Mast systems are available with multiple mounting and adjustment configurations, and can be customized per the application requirements.

**Quality in every detail**

# Flowmaker

## POPL-I

### ■ Performance and specifications:

Propeller AISI 304 Article no.	Propeller 2-comp. Article no.	Motor size HP	Motor series	Motor rpm	Propeller rpm	Propeller adjustable HP	Propeller diameter inches	Weight lb
1528301	1528401	2.4	100	900	19	1.2-2.4	91	495
1528302	1528402	3.6	112	900	19	2.4-3.6	91	510
1528503	1528603	4.9	112	900	26	3.6-4.9	91	526
1524504	1524604	6.5	112	1800	32	4.9-6.5	91	499
1524505	1524605	9.0	112	1800	38	6.5-9.0	91	536
1628301	1628401	2.4	100	900	26	1.2-2.4	67	449
1624302	1624402	3.6	90	1800	38	2.4-3.6	67	400
1624303	1624403	4.9	100	1800	38	3.6-4.9	67	444
1624504	1624604	6.5	100	1800	48	4.9-6.5	67	453
1624505	1624605	9.0	112	1800	48	6.5-9.0	67	473

### ■ Motor:

3-phase AC motor, 60 Hz, voltage: 460V.

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 performance data are applicable for water.

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

Peripheral speed of propeller is down to 6.5 ft. / sec.

### ■ Materials:

Motor casing: 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
- operating frequency
- minimum and peak flow rate

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