

Flowmaker POP-I 180

Landia flowmakers POP-I 180 rpm, planetary gear driven available in 1.8 HP to 12.2 HP For flow creation and mixing of liquids in water plants, waste water treatment plants, industrial applications and food processing.



Landia's flowmakers, with only 180 revolutions per minute, are unique on the world market. The low speed gives a much wider range for alternative solutions that would not otherwise be possible.

The flowmaker is very suitable in rectangular tanks for anaerobic and anoxic processes, where dry matter content is below 2%.

Operation is often continuous, which requires high efficiency and thereby a low energy consumption. This is achieved through a low speed.

The low speed minimizes turbulence

on the surface, whereby oxidation is avoided in the anoxic phase.

In biological tanks the flowmakers speed is gentle to the medium due to the low speed. Flocculation is promoted with the gentle mixing and disturbance of the biological balance is avoided.

Other applications for the flowmaker 180 are oxidation ditches and annular tanks, especially with low liquid depths, or tanks where hydraulic conditions are not favorable to the creation of a horizontal flow.

Quality in every detail

Flowmaker

POP-I 180

■ Performance and specifications:

Article no. (460 V)	Motor size HP	Motor series	Motor rpm	Propeller rpm	Performance approx. gpm	Weight lb
1128398	1.8	100	900	180	2420	216
1128301	2.4	100	900	180	3410	238
1128302	3.6	112	900	180	5060	262
1128303	4.9	112	900	180	6600	284
1128304	6.5	132	900	180	9020	365
1128305	9.0	132	900	180	12100	460
1128307	12.2	160	900	180	16940	532

■ Motor:

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

All specifications on performances are applicable for Water. Optional propeller types and motors are available for specific mixing applications.

■ Materials:

Motor casing: Cast iron AISI A48-40B
 Oil chamber: Cast iron AISI A48-40B
 Propeller: Steel AISI A570 Gr 50
 Gear shaft: Steel AISI 9840 sealed against the liquid
 Screws: Steel/acidproof stainless steel

The flowmaker can be supplied with a propeller of stainless steel or with special coating. 2-component coating is recommended.

Special sealing systems available for very aggressive or very abrasive mediums.

- Propeller shaped for optimum flow
- Triple shaft sealing system against the medium
- Sturdy gear giving the propeller ideal rotations/efficiency
- Pressure tested waterproof motor casing IP68 rated
- Motor casing with stator in isolation class F, thermal sensors imbedded in windings
- Can be supplied with explosion proof motor
- Mast systems are available with multiple mounting and adjustment configurations, also available in stainless steel and can be customized per the application requirements

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