

Flowmaker POP-I 150

Landia flowmakers POP-I 150 rpm - 1,1 kW to 7,5 kW with gear. For flow creation and mixing of liquids in waste water treatment plants and in industry.



Landia's flowmaker, with only 150 propeller rotations per minute, is unique on the world market. The low rotations give a much wider scope for alternative solutions that would not otherwise be possible.

The agitator 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 slowly rotating propeller.

The lower rotations minimize turbulence on the surface, whereby oxidation is avoided in the anoxic phase. In biological tanks the flowmaker treats the medium very gently due to the low rotations. Flocculation is promoted with the gentle mixing and disturbance of the biological balance is avoided.

The flowmaker 150 is also applied with lower liquid depths and in tanks where the hydraulic conditions are not favorable to the creation of a horizontal flow.

Quality in every detail

Flowmaker

POP-I 150

■ Performances and specifications:

| Article no. (400 V) | Motor size kW | Motor series | Motor rpm | Propeller rpm | Performance approx. m ³ /h | Weight kg |
|------------------------|------------------|-----------------|--------------|------------------|--|--------------|
| 1118398 | 1,1 | 100 | 750 | 150 | 550 | 98 |
| 1118301 | 1,5 | 100 | 750 | 150 | 775 | 108 |
| 1118302 | 2,2 | 112 | 750 | 150 | 1150 | 119 |
| 1118303 | 3,0 | 112 | 750 | 150 | 1500 | 129 |
| 1118304 | 4,0 | 132 | 750 | 150 | 2050 | 166 |
| 1118305 | 5,5 | 132 | 750 | 150 | 2750 | 209 |
| 1118307 | 7,5 | 160 | 750 | 150 | 3850 | 242 |

■ Motor:

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

All specifications on performances are applicable for water. Different propeller types can be supplied suitable for the medium and purpose on the actual treatment plant.
Other motor/propeller combinations are possible.

■ 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 in protection class IP68
- Motor casing with stator in isolation class F, thermal sensors in windings
- Can be supplied with explosion proof motor
- Extensive mounting and operation equipment programme, also in stainless steel or according to individual requirements.

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