



GOLDEN WORM PUMP



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Approved in :



Member of :





GOLDEN Worm Pump

Function:

This series of pump has the advanced technology of providing High Volumetric Flow Rates at very large Total Dynamic Heads, as it consists of a Spiral Screw Impeller of Stainless Steel creating pressure waves for large heads wobbling at a certain free angle with in Neoprene Rubber Diffuser Nut. This pump functions on a composite principle of Centrifugal Reactive Force as well as Positive Displacement Push Force Mechanism. The pump needs to be primed before operation as the Synthetic Rubber for the Diffuser needs to be wet before running and also to prevent losses in Pressure Head due to air intervention.

Application:

These pumps are suitable for supplying water in Homes, Hotels, Hostels, Flats, Multi-story Buildings, Small Farm Houses, Car Washes, Construction Sites etc.

Construction:

Motor Body and Pump Head are made of Grade 17 Cast Iron. Specially Designed S.S (SAE 304) Screw Impeller rotates in a Rubber Diffuser Nut made of Synthetic Neoprene Rubber which is protected with a Mechanical Seal made of Carbon/Ceramic. The Dynamically Balanced Rotor filled with Aluminum rotates with a precise gap in the Stator Core that is wound with 99.99 % Pure Copper Enamelled Wire creating propelling Magnetic Flux Currents to give flawless, noiseless and smooth rotation between the 2 High Quality ZZ - Deep Groove Ball Bearings. Totally Enclosed Fan Cooled Motor, with a Built-In Overload Thermal Protector (Single Phase) has a capacitor that is permanently in circuit with the Motor.

Pump performance:

Max. Capacity:	2000 Litres /hour
Max. Head:	85 ft
Pump Motor RPM:	2850
Max. Liquid Temperature:	+5°C ~ +60°C
Max. Ambient Temperature:	45°C

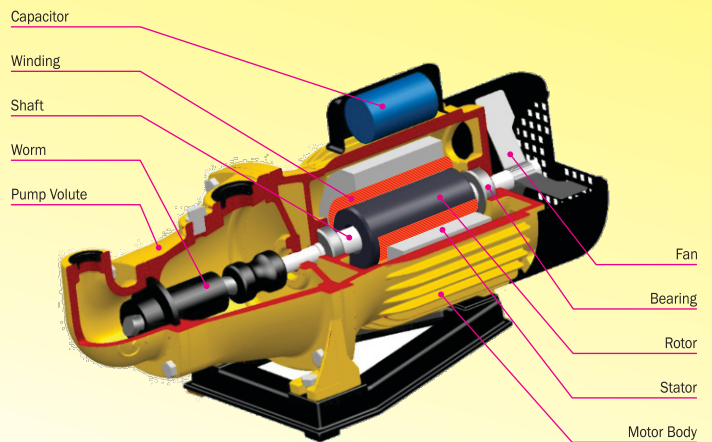
Manometric Suction Lift can be up to a maximum of 8 meters with a Foot-Valve fitted at the bottom.

Liquid Quality Limitation needs the liquids to be pumped to be Solid Free and Abrasive Free.

Acidic Liquids are not compatible with this Pump.

Installation:

Upon Installation the pump must always be primed before running. Pump maybe installed in the horizontal or vertical position. In case the pump is being installed in the vertical position, the motor must be positioned above the pump.



Cross-sectional View

Performance Chart:

MODEL	SIZE	MOTOR (HP)	V	A	rpm	MAX. SUCTION (ft)	MAX. HEAD (ft)	DISCHARGE (l/h)
GWP - 0.5	0.75" x 1"	0.5	200 ~ 230	2.7	2850	25	85	2000