



GOLDEN

Deep Well
Ejector Pumps



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GOLDEN Deep Well Ejector Pumps

Function:

This series of pumps are close coupled self-priming pumps particularly suitable for pumping water from deep wells. The deep well self-priming pumps have the capacity of lifting water to a maximum of 38 meters. The pump is located on the surface with the ejector immersed into the well. The delivery of the fluid generated by the impeller is conveyed to the outlet, the delivery is sucked, by means of a piping through the 'venturi system' connected to the suction chamber, which gives the necessary depression to the suction of the fluid where the ejector is immersed in.

The fluid sucked by the ejector gets mixed in the venturi diffuser with the recycling fluid, coming from the ejector body, consequently the fluid pressure increases and it is sucked by the pump through a piping.

Application:

Water supply to remote dwelling i.e. farm-house, general water supply, pressurized water using pressure vessels, irrigation and industrial applications. Water transfer and garden watering applications.

Note: A foot-valve must be fitted to the ejector also with the valve mounted to the outlet of the pump to ensure a suitable counter pressure during operation. The pipe connecting to the ejector and the pump's body must always be fitted up before starting.

Performance Chart:

| MODEL | MOTOR (HP) | V | A | rpm | MAX. SUCTION (m) | MAX. HEAD (m) | DISCHARGE (l/min) |
|---------|------------|-----------|-----|------|------------------|---------------|-------------------|
| G - I | 0.5 | 200 ~ 230 | 3 | 2900 | 15 | 15 | 30 |
| G - II | 1 | 200 ~ 230 | 6.5 | | 21 | 21 | 22 |
| | | 380 ~ 440 | 1.5 | | 27 | 35 | 22 |
| G - III | 2 | 200 ~ 230 | 12 | | | | |
| | | 380 ~ 440 | 3 | | | | |
| G - IV | 2.5 | 200 ~ 230 | 14 | | 38 | 38 | 17 |
| | | 380 ~ 440 | 3.8 | | | | |

Pump Construction:

Pump body and pump support in cast iron, stainless steel impeller in G-I, G-II, G-III, G-IV models, diffuser in thermoplastic resin or cast iron, mechanical seal in carbon & ceramic, rotor shaft in steel fitted with seal and with world's finest pre-greased ball bearing, coupled with fan cooled (single/three phase) motor, the capacitor is permanently in circuit (in single phase motor).

Installation:

Upon installation, always prime the pump body first before start up. The pump must be installed with the motor shaft in the horizontal position.

Pump performance:

Max. Capacity: 30 l/min
 Max. Head: 38 m
 Max. Suction: 38 m

Liquid quality requirement is clean and free from soils or abrasive substances and non-aggressive.

Max. Temperature of pump liquid: -15°C to +60°C
 Max. ambient temperature: 40°C
 Max. working pressure: 3.7 bar