



GOLDAMATIC

Deep Well Injector Pumps



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Function:

This series of pumps are close coupled self-priming pumps is 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 injector 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 injector is immersed in.

The fluid sucked by the injector gets mixed in the venturi diffuser with the recycling fluid, coming from the injector 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-houses, 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 injector also with the valve mounted to the outlet of the pump to ensure a suitable counter pressure during operation. The pipe connecting to the injector and the pumps body must always be fitted up before starting.

Pump Construction:

Pump body and pump support in cast iron, stainless steel impeller in G-I, G-II, G-III models and brass impeller in G-IV model, diffuser in thermoplastic resin, 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).

Pump Performance Data:

Max. Capacity:	30 l/min
Max. Head:	38 m
Max. Suction:	38 m
Liquid quality requirement is clean and free from solids or abrasive substances and non-aggressive.	
Maximum temperature of pumps liquid:	-15°C to +60°C
Maximum ambient temperature:	40°C
Maximum working pressure:	3.7 bar



GOLDEN Group of Companies

GOLDEN PUMPS (PVT) LTD.
G. T. Road, Gujranwala, Pakistan
Tel: +92 55 3842756, 3843756, 4275656
Fax: +92 55 3253254
E-mail: info@goldenpumps.com
Website: www.goldenpumps.com

ELECTROTEC INDUSTRIES
Climaxabad, G. T. Road, Gujranwala, Pakistan
Tel: +92 55 3730789, 3857621, 3857622
Fax: +92 55 3253254
E-mail: info@goldenpumps.com
Website: www.goldenpumps.com



GOLDEN POLYTECH (PVT) LTD.
G. T. Road, Gujranwala, Pakistan
Tel: +92 55 4275655, 4000993
Fax: +92 55 4272455
E-mail: upvc@goldenpumps.com
Website: www.goldenpumps.com

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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.

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		35	27	22
G - III	1.5	200 ~ 230	12				
		380 ~ 440	3				
G - IV	2	200 ~ 230	14		38	38	17
		380 ~ 440	3.8				

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ELECTROTEC INDUSTRIES
Climaxabad, G. T. Road, Gujranwala, Pakistan
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G. T. Road, Gujranwala, Pakistan
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Fax: +92 55 4272455
E-mail: upvc@goldenpumps.com
Website: www.goldenpumps.com