

گولڈن ڈائنامکس (پرائیویٹ) لمیٹڈ



NOWA

■ S.S. Shallow-Well Jet Pump

GJP Series



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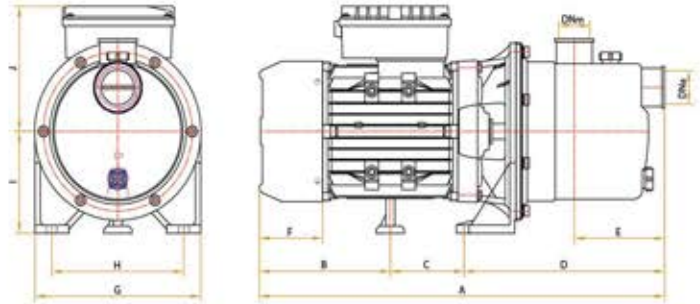


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Function:

Shallow-Well Jet Pumps works by an imbalance in air pressure similar to the way that fluid is sucked up a straw. The pump is primed by being poured full of water. When engaged, the impeller in the pump spins, moving the water and air pockets through. The air vents through the emergency cutoff valve to create an area of uninterrupted low pressure which naturally pulls the groundwater upward. When the water reaches the jet, the narrowed pipe diameter acts to speed water flow all the way to the venturi, which may be some distance away. When in the venturi, the increased pipe diameter causes the water to pool until so much water fills the pipe that it reaches a higher pressure. This pressure is the means by which water flows through the filtration system, hot water heater and out the various taps of the residence etc.

Application:

Shallow-Well Jet Pump is commonly used where there is no access to a city water supply. These pumps are ideal for residences, industrial applications, car washing, tank emptying, gardening fountains and small irrigation etc. Their only drawback is that they cannot draw water from more than 25 feet below ground level.

Construction:

Pump Volute and Seal Plate in S.S.-304, Impeller & Venturi in Re-Enforced Plastic, Motor Body in Die Cast Aluminum, Bearing Cups in Cast Iron and Gaskets & O-Rings in Nitrile Rubber. Moreover, Motor Rotor and Stator are in Silicon Electric Steel Sheet and 99.9% pure Copper Wire is used for motor winding. Rotor Shaft in Steel fitted with world's finest pre-greased Ball Bearings, the Capacitor is permanently in circuit.

Performance Chart:

Model	Motor		Q - Capacity (m ³ /h - US gpm - lpm)					
			0	0.6	1.2	1.8	2.4	3
	HP	kW	0	2.6	5.2	7.9	10.5	13.2
			H - Total Head (m) @ 2900 RPM					
GJP-S71-1/0.37	0.5	0.37	47	39	32	25	18	7

Dimension Table:

Model	DNa	DNm	A	B	C	D	E	F	G	H	I	J	Weight (kg)
GJP-S71-1/0.5	1"	1"	417	134	76	207	93	65	170	136	98	120	12.4

Motor:

Totally Enclosed Fan Cooled, (IC411), IP-55, Ins. Class: F, S.F.1.1, 220 V, 50 Hz, 2900 RPM

Installation:

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

Pump Performance Data:

Capacity:	3 m ³ /h (max.)
Head:	39 m (max.)
Liquid:	Clean Water
Liquid Temperature:	-15°C ~ +80°C
Ambient Temperature:	+40°C (max.)
Working Pressure:	4 bar (max.)

Performance Curve:

