



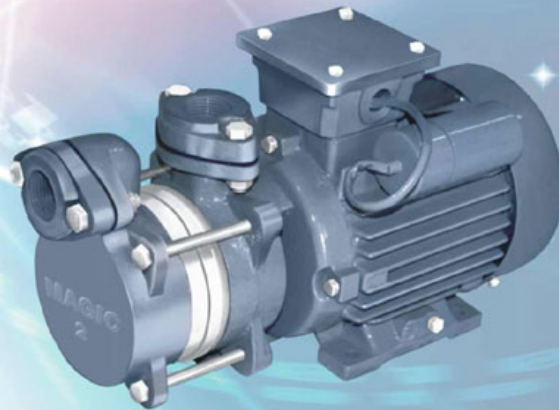
# OSWAL

*Ushering in Prosperity*

Domestic & Industrial Range....



Magic-1



Magic-2



MAGIC SUCTION PUMPS  
(2880 RPM)



## MAGIC SUCTION PUMPS

**OSWAL** Regenerative magic suction pumpset are the products of the expertise of highly qualified technical team with a strong wise rigid inspection method under TQM concept.

**OSWAL** Regenerative magic suction pumpset are powered by a totally enclosed fan cooled, A.C induction motor, and complete absence of suction trouble, suitable for long hours duty. Motor stator is made of low watt loss steel laminations assembled under pressure and rigidly in the frame. Well-balanced rotor ensures vibration and noise free operations. The varnish impregnated windings made of enameled copper wire offer excellent resistance power. Shaft made out of best quality steel, precision ground of ample size, which helps to transmitting the rated Horsepower. All single-phase versions up to 1.0 HP are incorporated with Thermal Over load protector.

Application of Regenerative magic suction pumpset Hospitals, Water circulation systems, Water supply systems of Gardening, Nurseries, Domestic water supply, Multi-storeyed Building & Industries.

**OSWAL** Regenerative magic suction pumpset are of good self priming capacity, dynamically balanced rotating parts, optimal design, High operating efficiency, high working pressure & designed for wide voltage fluctuations.

### Specification :

Details	Magic-1	Magic-2
Power Range	0.5 HP.	1HP.
Version	220-240V, 50 Hz, A.C.-1 Ph. Permanent Split capacitor (PSC) Incorporated with Thermal Overload Protector.	220-240V, 50 Hz, A.C.-1 Ph. Permanent Split capacitor (PSC) Incorporated with Thermal Overload Protector.
Speed	2900 rpm.	2900 rpm.
Type of duty	S1 (Continuous)	S1 (Continuous)
Degree of Protection	IP 54	IP 54
Class of Insulation	'B'	'B'
Flow rate upto	26 lpm.	55 lpm.
Delivery Head upto	42 mtr.	42 mtr.
Suction lift upto	25 ft.	25 ft.
Normal Suction x delivery size in inches	1 x 1	1 x 1

### Material of Construction

Part Name	Material
Pump Casing	Cast Iron
Motor Frame	Alluminium Alloy/C.I.
Impeller	Bronze
Shaft	SS 410 / E.N. 8
Sealing	Mechanical Seal

### Pump Liquids

Clean, thin, non-aggressive, non-explosive, clear, cold, fresh water without abresives, solid particle or fibres shall mean the water having the following characteristics.

Maximum Liquid Temperature	50°C (max.)
Permissible amount of sand	25 gm/m <sup>3</sup> (max.)
Chlorine ion density	500 ppm (max.)
Allowable solids	3000 ppm (max.)
Specific gravity	1.004 (max.)
Hardness (drinking water)	300 (max.)
Viscosity	1.75 x 10 <sup>6</sup> m <sup>2</sup> /sec (max.)
Turbidity	50 ppm silica scale (max.)
pH value	6.5 to 8.5.

### Other Ranges :



Exclusively manufactured by :

## Oswal Pumps Ltd.

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