

Oswal Mini Pumps

Regenerative self-priming monoblock pumps · Activa · Exclusive · OSP-9 · domestic range

AT A GLANCE

- Regenerative self-priming monoblocks
- 0.5 HP & 1 HP · 220–240 V AC 50 Hz
- Delivery head up to 42 m
- Self-priming 15 ft · suction lift 25 ft
- 1 × 1 inch suction × delivery
- IP 54 · thermal overload protected · IS 8472



MINI

Domestic & industrial range

Ushering in prosperity · self-priming

0.5 · 1 HP

single phase

42 m

max. head

50 L/min

max. flow

25 ft

suction lift

MANUFACTURED BY

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ISO 9001:2015

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REGENERATIVE SELF-PRIMING MONOBLOCKS · ACTIVA · EXCLUSIVE · OSP-9

Self-priming mini pumps for homes, gardens and buildings

Oswal regenerative self-priming monoblock pumpsets are the product of a highly qualified technical team with stage-wise rigorous inspection under TQM concepts.

The pumps are driven by a totally enclosed fan-cooled (TEFC) AC induction motor suitable for long hours of duty, with complete absence of suction trouble. The stator is built from low-watt-loss steel laminations assembled under pressure and rigidly locked in the frame; a well-balanced rotor ensures vibration- and noise-free operation, and varnish-impregnated enamelled-copper windings give excellent insulation resistance. The shaft is precision-ground best-quality steel, amply sized for the rated power. All single-phase versions up to 1.0 HP have a built-in thermal overload protector. Conform to **IS 8472**.

Applications: hospitals, water-circulation systems, gardening and nursery water supply, domestic water supply, multi-storeyed buildings and industries.

Self-priming

Good self-priming capacity — no suction trouble.

Dynamically balanced

Rotating parts dynamically balanced for quiet running.

Efficient design

Optimal design and high operating efficiency.

Rugged & tolerant

High working pressure; designed for wide voltage fluctuations.

Specification

Details	Activa · Exclusive · OSP-9
Power	0.5 HP and 1 HP
Supply	220–240 V AC 50 Hz, single-phase
Motor	Permanent split capacitor (PSC), with built-in thermal overload protector
Speed	2900 rpm (cover: 2880 rpm)
Type of duty	S1 (continuous)
Degree of protection	IP 54
Class of insulation	B
Flow rate	up to 50 L/min
Delivery head	up to 42 m
Self-priming capacity	15 ft (≈ 4.6 m)
Suction lift	up to 25 ft (≈ 7.6 m)
Suction × delivery size	1 × 1 inch

CONSTRUCTION

Materials and pumped liquid

Pumped liquid — clean, thin, cold, fresh, non-aggressive, non-explosive water without abrasives, solids or fibres

Max. liquid temperature **50 °C**

Permissible sand **25 g/m³**

Chloride-ion density **500 ppm max.**

Allowable solids **3000 ppm max.**

Specific gravity **1.004 max.**

Hardness (drinking water) **300 ppm max.**

Kinematic viscosity **$1.75 \times 10^{-6} \text{ m}^2/\text{s}$ max.**

Turbidity **50 ppm silica scale max.**

pH value **6.5–8.5**

Material of construction

Pump casing **Cast iron**

Motor frame **Aluminium alloy**

Impeller **Bronze**

Shaft **SS 410 / EN 8**

Sealing **Mechanical seal**



ACTIVA



EXCLUSIVE



OSP-9

Notes (as printed — confirm with factory): speed is printed as 2900 rpm in the text and specification but 2880 rpm on the cover. One combined specification is given for all three models; model-wise HP (0.5 / 1 HP) and duty points are not stated. The manufacturer reserves the right to change design and specification without prior notice.