

Oswal Pumps Ltd.



ISI · ISO 9001:2015 · BEE · CE



PUMPS & MOTORS

True Partner!

Oswal Star Product Catalog

Multistage, pressure-boosting, sewage, monoblock, solar and borewell submersible pumps · submersible motors



One range. Every water need.

Domestic · agriculture · industrial — 10 product lines from 0.5 to 75 HP



0.5–75 HP

power range

up to 400 m

head (V6 borewell)

up to 3,600 L/min

discharge (V12)

IP54 · IP68

surface · submersible

www.oswalpumps.com

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Oswal Estate, Karnal

Integrated manufacturing of pumps, motors, wires, cables and castings

Need help choosing a pump?

Tell us the application, required head and flow — our team will recommend the right Oswal Star product.

1800-120-1882

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COMPANY PROFILE

An integrated pump & motor manufacturer since 2000

Oswal Pumps Limited, started in the year 2000, has become India's first unique integrated plant of its kind — a world-class manufacturing facility backed by seasoned engineers and technicians.

This has made Oswal one of the fastest-growing companies in submersible pumps, monoblock pumps and electric motors, covering the domestic, agricultural and industrial range. Quality and service, and value for the customer's money, are the guiding principles at Oswal.

Quality checks



Every pump and motor is tested on in-house test benches before dispatch.

Prestigious awards

National Udyog Rattan Award
for individual achievement in national development

Bhartiya Udyog Rattan Award
for individual achievement in national development

GUIDING PRINCIPLES

Quality · Service · Value for the customer's money



ISO 9001:2015 certified company

Our campus — Oswal Estate, NH-1, Karnal



INFRASTRUCTURE

Made in-house, from wire to finished pump

Oswal manufactures the key components of its pumps and motors in its own plants — stampings, winding and enamelled wire, cables, castings, thrust bearings and stainless-steel pipe — for full control over quality and delivery.



Electrical stamping unit



Winding wire plant



Packaging unit



Enamel wire plant



Cable manufacturing unit



Injection plastic moulding plant



Automatic winding unit



SS pipe plant



Investment casting plant



Aluminium die-casting plant



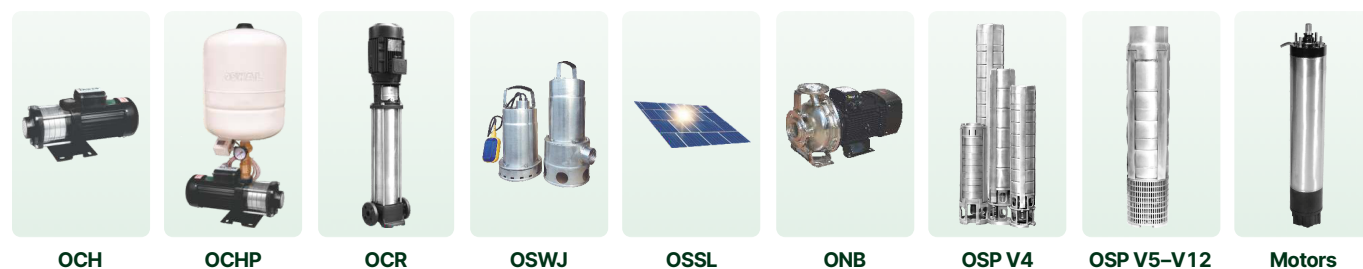
Thrust bearing plant



Dispatch section

RANGE AT A GLANCE

Ten product lines, one Star range



Product line	Series	Standard	Power	Head / pressure	Discharge	Page
Horizontal multistage centrifugal pumps	OCH 1, 2, 3, 5	—	0.5–2 HP	20–41 m	13–117 L/min	6
Pressure boosting unit	OCHP 1, 2, 3, 5	—	0.5–2 HP	20–41 m	13–117 L/min	6
Vertical multistage centrifugal pumps	OCR 1, 2, 3, 5, 10, 15	—	1–20 HP	0.6–22 kg/cm ²	1.0–18 m ³ /h	7
Stainless-steel sewage pumps	OSWJ	—	0.5 & 1 HP	3–8 m	43–92 L/min	7
Solar submersible pump sets	OSSL	IS 8034:2002	1–10 HP	7–100 m	15,300–8,10,000 L/day	8
SS centrifugal monoblock pumps	ONB	IS 9079:2002	1.5–20 HP	10–74 m	65–2,290 L/min	8
V4 SS borewell pump sets — water-filled	OSP 2, 3, 5, 8, 14	IS 8034:2002	0.5–10 HP	42–350 m	23–250 L/min	9
V4 SS borewell pump sets — oil-filled	OSP 2, 3, 5, 8, 14	IS 8034:2002	0.5–10 HP	42–350 m	23–250 L/min	9
V5–V12 SS borewell pump sets	OSP 9–215 · OHF · ORF	IS 8034:2002	1.5–75 HP	10–400 m	150–3,600 L/min	10
Submersible motors 4" & 6"	OSL / OSF-100 · OSL / OSF-150	—	0.5–50 HP	—	—	11

Figures are the published range limits of each series. Detailed specifications, materials and applications follow on the product pages. Discharge for V4 pump sets is given in L/min (unit not printed in the source).

Sales & service across India

For prices, availability and selection support contact Oswal Pumps or your nearest Oswal dealer.

1800-120-1882

Sales / WhatsApp +91-98962-66691

HORIZONTAL MULTISTAGE**Horizontal Multistage Centrifugal Pumps**

Compact cast-iron multistage pumps with stainless-steel hydraulics for pressure boosting and clean-water duty

OCH 1

OCH 2

OCH 3

OCH 5

SPECIFICATIONS

Power range	0.5–2 HP, 1- & 3-phase
Version	200–240 V 1-phase · 380–415 V 3-phase, AC 50 Hz
Discharge range	13–117 L/min
Head range	20–41 m
Outlet size	25 × 25 mm
Water temperature	90 °C
Speed	2,880 rpm
Ambient temperature	55 °C
Insulation	Class B
Degree of protection	IP54
Mounting (main dimensions)	Foot mount 96 × 115 mm, for 8 mm / 10 mm bolts

MATERIAL OF CONSTRUCTION

Pump casing	Cast iron
Pump bracket	Cast iron
Impeller	Stainless steel
Diffuser	Stainless steel
Motor body	Aluminium
Shaft	SS-410
Mechanical seal	Carbon vs ceramic
Base plate	Mild steel

APPLICATIONS

- Pressure boosting in commercial RO and similar systems
- Water circulation in DM plants
- Pumping of clean liquids in industry
- Water boosting in commercial establishments
- Car washing, small farms and multi-storey buildings

PRESSURE BOOSTING**Pressure Boosting Unit**

OCH multistage pump with pressure tank — ready-to-install constant-pressure water supply

OCHP 1

OCHP 2

OCHP 3

OCHP 5

SPECIFICATIONS

Power range	0.5–2 HP, 1- & 3-phase
Version	200–240 V 1-phase · 380–415 V 3-phase, AC 50 Hz
Discharge range	13–117 L/min
Head range	20–41 m
Outlet size	25 × 25 mm
Water temperature	50 °C
Speed	2,880 rpm
Ambient temperature	55 °C
Insulation	Class B
Degree of protection	IP54
Mounting (main dimensions)	Foot mount 96 × 115 mm, for 8 mm / 10 mm bolts
Tank capacity	24, 36, 60, 80 & 100 L
Suitable outlets	2, 3, 4, 6, 8 & 12 taps

MATERIAL OF CONSTRUCTION

Delivery × suction head	Cast iron
Motor body	Aluminium
Impeller	Stainless steel
Diffuser	Stainless steel
Shaft	SS-410
Mechanical seal	Carbon vs ceramic
Base plate	Mild steel

APPLICATIONS

- Water pressure for residential and commercial establishments
- Water distribution in industries and small farms
- Hotels and multi-storey buildings
- Apartments and bungalows
- Commercial washing

VERTICAL MULTISTAGE

Vertical Multistage Centrifugal Pumps

In-line vertical multistage pumps with stainless-steel impellers, bowls and outer sleeve

OCR 1

OCR 2

OCR 3

OCR 5

OCR 10

OCR 15

SPECIFICATIONS

Power range	1–3 HP 1-phase · 1–20 HP 3-phase
Version	220–240 V 1-phase · 380–415 V 3-phase, 50 Hz AC
Speed	2,880 rpm
Discharge range	1.0–18 m ³ /h
Pressure range	0.6–22 kg/cm ²
Motor insulation	Class F
Degree of protection	IP54
Liquid temperature range	–30 °C to +120 °C

MATERIAL OF CONSTRUCTION

Pump head	CI FG-260 / stainless steel
Base	CI FG-260 / stainless steel
Shaft	SS-431 / stainless steel
Impeller	Stainless steel
Bowl	Stainless steel
Outer sleeve	Stainless steel
O-ring for outer sleeve	EPDM
Neck ring	PTFE
Shaft seal	Cartridge type, TC vs carbon
Bearing rings	Tungsten carbide

APPLICATIONS

- Commercial reverse-osmosis and demineralising systems
- Boiler feed and water circulation
- Pressure boosting in mains of high-rise buildings and hotels
- Distribution from waterworks to ultrafiltration and transfer back
- Constant-pressure boosting in washing, cleaning and fire-fighting systems

DRAINAGE & SEWAGE

Stainless-Steel Sewage Pumps

Submersible stainless-steel sewage pump with float switch, double sealing and IP68 motor

OSWJ

SPECIFICATIONS

Power range	0.5 & 1 HP
Outlet size	32 & 42 mm
Version	220–240 V, 50 Hz, AC 1-phase
Speed	2,880 rpm
Discharge range	43–92 L/min
Head range	3–8 m
Max. size of soft solids	5 mm (0.5 HP) · 30 mm (1 HP)
Insulation	Class B
Degree of protection	IP68

MATERIAL OF CONSTRUCTION

Pump casing	Stainless steel
Pump body	Stainless steel
Impeller	Cast iron / Noryl
Shaft	SS-410
Double sealing	NBR & mechanical seal (carbon vs ceramic)
Bracket / front end shield	Cast iron
Rear end shield	Cast iron
Stator body	Stainless steel

APPLICATIONS

- Drainage of sewage from basements
- Clearing manhole sewage
- Clearing waste water from factories, hotels and institutes
- Clearing industrial process waste
- Emptying septic tanks

**SOLAR PUMPING · IS 8034:2002****Solar Submersible Pump Sets**

Stainless-steel borewell pump sets for solar PV drive — conforming to IS 8034:2002

OSSL**SPECIFICATIONS**

Power range	1–10 HP
Mounting standard	NEMA
Version	230 V & 415 V 3-phase, AC 50 Hz, DOL / star-delta
Speed	2,880 rpm
Discharge range	15,300–8,10,000 L/day
Head range	7–100 m
Outlet size	40, 50, 65, 75, 100 & 125 mm
Degree of protection	IP68
Max. outer diameter	97.5–225 mm
Duty	S1 (continuous)
Input power range	1,200–9,000 Wp

APPLICATIONS

- Rural water supply from borewells
- Domestic and agricultural supply
- Farms and irrigation
- Civil and industrial use
- Government water-supply schemes

MATERIAL OF CONSTRUCTION — PUMP

Discharge chamber	Stainless steel
Valve seat	NBR + stainless steel
Impeller · diffuser	Stainless steel
Pump shaft	Stainless steel
Suction interconnector	Stainless steel
Coupling	Stainless steel
Pump casing	Stainless steel

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Stainless steel / cast iron
Stator shell	Stainless steel
Shaft	Stainless steel
Journal bush	Carbon bush / GM bush
Thrust bearing set	SS 420 & graphite carbon

**MONOBLOCK · IS 9079:2002****Stainless-Steel Centrifugal Monoblock Pumps**

2,880 rpm stainless-steel monoblock pumps — conforming to IS 9079:2002

ONB**SPECIFICATIONS**

Power range	1.5–5 HP 1-phase · 1.5–20 HP 3-phase
Speed	2,880 rpm
Discharge range	65–1,350 L/min (1-ph) · 65–2,290 L/min (3-ph)
Head range	10–30 m (1-ph) · 10–74 m (3-ph)
Suction lift	up to 8 m
Suction × delivery size	25 × 25 to 100 × 100 mm
Version	220–240 V, 50 Hz AC 1-phase, permanent split capacitor (PSC) with thermal overload protector · 350–440 V 3-phase
Degree of protection	IP54
Insulation	Class B
Duty	S1 (continuous)

MATERIAL OF CONSTRUCTION

Pump casing	Stainless steel
Motor body	Stainless steel
Impeller	Stainless steel
Shaft	EN 8
Sealing	Mechanical seal (carbon & ceramic) or asbestos gland rope packing

APPLICATIONS

- Sprinkler, drip and flood irrigation
- Farms and gardens
- Industry, fountains and pools
- Water circulation in high-rise buildings
- Fire-fighting set-ups

V4 · IS 8034:2002

Stainless-Steel V4 Borewell Submersible Pump Sets

For 4" (100 mm) borewells — available with water-filled or oil-filled submersible motor

SERIES

OSP 2 · 3 · 5 · 8 · 14

POWER

0.5–10 HP

HEAD

up to 350 m

MAX. OD

98 mm



SPECIFICATIONS — WATER-FILLED VS OIL-FILLED

Specification	Water-filled motor	Oil-filled motor
Series	OSP 2, 3, 5, 8 & 14	
Standard	IS 8034:2002	
Power range	0.5–5 HP 1-phase · 0.5–10 HP 3-phase	
Version	220–240 V, 50 Hz AC 1-phase · 350–440 V 3-phase	
Speed	2,880 rpm	
Discharge range	23–250 L/min, 1- and 3-phase	
Head range	42–200 m 1-phase · 42–350 m 3-phase	
Outlet size	25, 32, 40 & 50 mm	
Degree of protection	IP68	
Max. outer diameter	98 mm	
Duty	S1 (continuous)	
Method of starting	Capacitor start & capacitor run (CSCR) 1-phase · DOL 3-phase	Capacitor start & run (CSR) 1-phase · DOL 3-phase
Mounting standard	NEMA	

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Cast iron / stainless steel	
Stator shell	Stainless steel	
Shaft	Stainless steel	
Bearing	Leaded bronze	Anti-friction deep-groove ball bearing
Thrust set	Carbon vs SS	Carbon vs SS ¹

Rows spanning both columns apply to both versions; rows with two values (shaded) differ. ¹ The source prints "carbon vs SS in water-filled" for the oil-filled version too — confirm the oil-filled thrust-set material.

MATERIAL OF CONSTRUCTION — PUMP

NRV housing	Stainless steel
Check valve	Stainless steel
Check valve seat	NBR
Impeller	Stainless steel
Bowl	Stainless steel
Pump shaft	SS-431
Suction interconnector	Stainless steel
Coupling	SS-410



OSP 4" stainless-steel pump ends, shown without motor.

V5-V12 · IS 8034:2002

Stainless-Steel V5 to V12 Borewell Submersible Pump Sets

5" to 12" borewells — large-flow stainless-steel pump sets, AC and solar compatible

POWER
1.5-75 HP

HEAD
10-400 m

DISCHARGE
150-3,600 L/min

OUTLET
50-150 mm



Specification	V5	V6	V7	V8	V9	V10	V12
Series	OSP 9, 12, 17, 29, 30 & 31	OSP 9, 12, 17, 30, 40, 46 & 60 OHF 65, 90, 110, 135 & 160 ORF 55, 65, 90 & 110	OSP 70 & 90	OSP 77 & 95	OSP 120	OSP 125 & 160	OSP 215
Power range	1.5-5 HP 1-ph 1.5-10 HP 3-ph	3-7.5 HP 1-ph 3-50 HP 3-ph	3-50 HP 3-ph	5-75 HP 3-ph	6-75 HP 3-ph	7.5-75 HP 3-ph	10-75 HP 3-ph
Version (AC, 50 Hz)	220-240 V 1-ph 350-440 V 3-ph	220-240 V 1-ph 350-440 V 3-ph	350-440 V 3-ph	350-440 V 3-ph	350-440 V 3-ph	350-440 V 3-ph	350-440 V 3-ph
Method of starting	CSCR 1-ph DOL / star-delta 3-ph	CSCR 1-ph DOL / star-delta 3-ph	DOL / star-delta	DOL / star-delta	DOL / star-delta	DOL / star-delta	DOL / star-delta / ATS
Speed	2,880 rpm · all sizes						
Discharge (L/min)	150-500	150-1,000	1,100-1,400	1,200-1,600	1,600-2,000	2,000-2,700	2,700-3,600
Head range (m)	10-130	15-400	10-110	10-160	16-70	13-180	13-120
Outlet size (mm)	50, 65, 75 & 100	50, 65, 75 & 100	100	100	100	125	150
Max. outer diameter	126 mm	147 mm	157 mm	170 mm	190 mm	220 mm	250 mm
Degree of protection	IP68 · all sizes						
Duty	S1 · all sizes						
Mounting standard	NEMA · all sizes						

MATERIAL OF CONSTRUCTION — PUMP

NRV housing	Stainless steel
Valve seat	NBR + SS-304
Impeller	Stainless steel
Diffuser	Stainless steel
Pump shaft	Stainless steel
Suction interconnector	Stainless steel
Coupling	Stainless steel

APPLICATIONS

- Water extraction from boreholes for large irrigation
- AC and solar energy compatible
- Agricultural and institutional water supply
- Civil and industrial water supply
- Rural water supply

Also available in 60 Hz. ATS = auto-transformer starter · CSCR = capacitor start, capacitor run · 1-ph / 3-ph = single / three phase.

SUBMERSIBLE MOTORS

4" and 6" submersible motors

Rewindable submersible motors for Oswal borewell pump sets — 4" (100 mm) and 6" (150 mm) frames, single- and three-phase, with 60 Hz versions in the OSF range.



4" OSL-100



4" OSF-100



6" OSL-150



6" OSF-150

Series	4" OSL-100	4" OSF-100	6" OSL-150	6" OSF-150
Power range	0.5–1.5 HP 1- & 3-phase	2–5 HP 1-phase 2–7.5 HP 3-phase	3–7.5 HP 1-phase 3–15 HP 3-phase	5.5–50 HP 3-phase
Version (AC)	380–415 V 3-ph, 50 Hz 220–240 V 1-ph, 50 Hz	380–415 V 3-ph, 50 Hz 220–240 V 1-ph, 50 Hz 380/460 V 3-ph, 60 Hz	380–415 V 3-ph, 50 Hz 220–240 V 1-ph, 50 Hz	380–415 V 3-ph, 50 Hz 380/460 V 3-ph, 60 Hz
Speed (rpm)	2,850–2,880 at 50 Hz	2,850–2,880 at 50 Hz 3,450 at 60 Hz	2,850–2,880 at 50 Hz	2,850–2,880 at 50 Hz 3,450 at 60 Hz

MATERIAL OF CONSTRUCTION — MOTOR

Upper, lower housing & motor base	Cast iron / stainless steel
Stator shell	Stainless steel
Shaft	Stainless steel
Bearing	Leaded bronze (water-filled) · anti-friction deep-groove ball bearing (oil-filled)
Thrust set	Carbon vs SS (water-filled)

NEED THE FULL MOTOR DATA?

Rated current, efficiency, power factor, thrust and dimensions for every rating are published in the **Oswal Submersible Motors** catalogue.

Due to continuous R&D, specifications and pictures may vary from time to time.

CERTIFICATIONS

Certified quality, product by product

Oswal's quality-management system is certified to ISO 9001:2015; products carry ISI, CE and BEE energy-label approvals. Certificates as reproduced in the original catalogue:



DEALERS MEET · EXHIBITION PARTICIPATION · SEMINARS

Close to our partners



Manufacturing halls — Oswal Estate, Karnal





True Partner!

Oswal Pumps Limited

Pumps & Motors · Solar | Domestic | Agriculture | Industrial

PAN-INDIA PRESENCE



GLOBAL PRESENCE



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