



Enriching Lives

STRENGTHENED BY  
99.9%  
PURE EC GRADE  
**COPPER**  
WINDING WIRES

**KIRLOSKAR PUMPS**  
**VERSATILE** AND **RELIABLE,**  
**FOR EVERY USE, EVERYWHERE**

PRODUCT CATALOGUE



**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company

# A HISTORY OF EXCELLENCE

Kirloskar Brothers Limited is a world-class pump manufacturing company with experience in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the \$2.1 billion Kirloskar Group. The market leader in fluid management, KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, oil & gas and marine & defence.

KBL's commitment to quality and sustainability is as reliable as its products. This is why all plants of KBL are ISO 9001 & ISO 14001, OHSAS 18001, ISO 14000 Environment Standard Certified. The plants apply Total Quality Management tools using European foundation for Quality Management (EFQM) model.

As one of the largest pump manufacturers in India, KBL offers over 75 types of pumps in over 500 variants with up to 1,200 metre head and discharge of up to 120,000 cubic metres per hour. These pumps ensure the lowest life cycle cost; it is because KBL pumps offer maximum reliability under all operating conditions, ensuring trouble-free operations at all times and eliminating costly downtime. Additionally, KBL pumps are constructed with materials that offer the best resistance to corrosion and abrasion, enhancing performance for years together.

Technological innovations employed in pump engineering also reduces overall energy use, enhancing efficiency and cost saving.







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# INDUSTRIAL PRODUCT RANGE

## SEWAGE DE-WATERING SUBMERSIBLE PUMPS



# ETERNA CW

SEWAGE DE-WATERING  
SUBMERSIBLE PUMPS



ETERNA CW+

ETERNA CW

## FEATURES

### High Efficiency and Energy Saving Design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

### Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

### Robust Construction

Heavy duty construction made from graded cast iron, carbon + silicon carbide mechanical seal makes the pump suitable for sewage and sludge.

### Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

### Dynamically Balanced Rotating Parts

Minimum vibration protect components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

## TECHNICAL SPECIFICATION

Head Range	- Up to 70 Metres
Discharge Range	- Up to 4920 LPM
Power Rating	- 0.37 to 15 kW (0.5 to 20 HP)
Voltage Range	- 300 to 440 Volts - 3 Ph(For CW+ Models)
	- 380 to 440 Volts - 3 Ph(For CW Models)
pH Value	- 6.5 to 7.5
Maximum Density	- < 1050 kg/m <sup>3</sup>
Protection	- IP68
Consistency of Medium	- < 1.2 x 10 <sup>3</sup> kg/m <sup>3</sup>
Maximum Ambient Temperature	- 40 °C
Insulation	- B/ E Class

## MATERIAL OF CONSTRUCTION

Impeller	- Cast Iron
Delivery Casing	- Cast Iron
Motor Body	- Cast Iron
Pump Shaft	- Carbon Steel - CW / Stainless Steel - CW+

## APPLICATIONS

- Sewage pumping
- Dewatering from basements, multi-storeys, shopping malls, godowns
- Construction site
- Dewatering foundation, trenches and pits
- Flood water handling



PERFORMANCE CHART FOR ETERNA CW+ / CW SERIES, SEWAGE DE-WATERING PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																				
S. No.	PUMP MODEL	Power Rating		Pipe Size DEL. (mm)	Rated Voltage (Volts)	Rated Speed (RPM)	Max. Solid Size (mm)	TOTAL HEAD IN METERS												Minimum Submerged From Bottom (mm)
		kW	HP					4	6	8	10	12	14	16	18	19	22	24		
								DISCHARGE IN LITRES PER MINUTE												
1	ETERNA 370 CW+	0.37	0.5	50	415	2800	18	171	144	114	66	-	-	-	-	-	-	-	410	
2	ETERNA 750 CW+	0.75	1	50	415	2800	22	-	312	264	204	120	-	-	-	-	-	-	450	
3	ETERNA 1100 CW+	1.1	1.5	50	415	2800	24	-	366	312	252	180	84	-	-	-	-	-	460	
4	ETERNA 1500 CW+	1.5	2	50	415	2840	22	-	-	396	357	312	270	222	144	96	-	-	490	
5	ETERNA 2200 CW+	2.2	3	50	415	2840	25	-	-	-	-	-	450	408	348	312	180	-	500	
6	ETERNA 3700 CW+	3.7	5	65	415	2900	35	-	-	-	-	-	960	870	720	600	360	150	625	
7	ETERNA 5500 CW+	5.5	7.5	80	415	2900	35	-	1560	1500	1410	1272	1140	990	810	750	450	180	660	
								4	6	8	10	12	14	16	18	20	22	24	-	
8	ETERNA 7500 CW	7.5	10	150	415	1440	45	3800	3750	3250	2750	2000	1000	-	-	-	-	-	920	
9	ETERNA 11000 CW 4PL	11	15	150	380	1440	45	-	-	4920	4200	3600	2700	1600	280	-	-	-	970	
10	ETERNA 15000 CW 4PL	15	20	150	380	1440	45	-	4800	4520	4230	3950	3620	3120	2140	400	-	-	1020	
								12	15	18	21	24	27	30	33	36	39	40	-	
11	ETERNA 7500 CW 2P	7.5	10	65	380	2900	25	1500	1400	1300	1210	1120	1025	935	780	550	270	-	780	
12	ETERNA 11000 CW 4P	11	15	100	380	1440	35	-	2680	2350	1970	1500	630	-	-	-	-	-	925	
13	ETERNA 15000 CW 4P	15	20	100	380	1440	35	-	-	2950	2680	2380	2080	1650	1150	680	150	-	990	
								25	30	35	40	45	50	55	60	65	70	75	-	
14	ETERNA 11000 CW 2P	11	15	65	380	2900	25	1060	980	850	650	400	185	-	-	-	-	-	920	
15	ETERNA 15000 CW 2P	15	20	65	380	2900	25	-	-	-	-	-	1290	950	600	230	40	-	935	

- Note:**
- Performance under standard test conditions and may vary on site conditions.
  - Performance applicable to liquid of specific gravity 1 and viscosity as of water.



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**CWC**

CUTTER  
PUMP



**CWC**

### FEATURES

#### Special Cutter

Equipped with a effective and reliable grinder system which grinds solids into small pieces so that they can be drawn away through discharge pipes of a relatively small diameter.

#### Water Tight Cable Connection

Hermetically sealed polyurethane-filled, stainless steel cable plug connection to ensure no liquid entry into the motor.

#### Specially Designed Lifting Handle

Ensure proper lifting irrespective of installation / motor position.

#### Stainless Steel Clamp

Easy and quick dismantling of pump casing without the use of any special tool that enables 180 degree rotation of the pump casing. Easily serviceable, suitable for both temporary and permanent installation and can either be installed on auto coupling system or can stand freely at the bottom of the pit.

### TECHNICAL SPECIFICATION

Head Range	- Up to 39 Meters
Discharge Range	- Up to 365 LPM
Power Rating	- 1.2 to 4 kW (1.6 to 5.5 HP)
Voltage Range	- 415 Volts $\pm$ 10%
Insulation	- F Class
Protection	- IP68
Operating temperature	- 40°C

### APPLICATIONS

- Waste water with discharge from water closets
- Sewage from restaurants / hotels / camping sites etc
- Effluents from abattoirs
- Effluents & waste from waste water or effluent treatment plants.
- Sewage treatment in communities or area where no sewer system is available



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PERFORMANCE CHART FOR CWC SERIES, CUTTER PUMP, AT RATED VOLTAGE, 50 HZ FREQUENCY, THREE PHASE A.C. POWER SUPPLY												
Sr. No.	Pump Model	Model Rating		Pipe Size DEL.(mm)	Rated Voltage (Volts)	RPM	TOTAL HEAD IN METERS					
		kW	HP				6	9	12	15	18	21
							DISCHARGE IN LITRES PER MINUTE					
1	ETERNA 1200 CWC	1.2	1.6	40	415	2850	270	235	180	135	80	-
2	ETERNA 1500 CWC	1.5	2.0	40	415	2850	295	258	220	175	130	80
							<b>6</b>	<b>15</b>	<b>30</b>	<b>33</b>	<b>36</b>	<b>39</b>
3	ETERNA 4000 CWC	4.0	5.5	40	415	2850	365	330	180	135	85	30

**Note:**

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



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# SW/BW

SEWAGE DE-WATERING  
SUBMERSIBLE PUMPS

## FEATURES

### Automatic On – Off Switch

Pre-fitted float switch ensure that the pump start and stop automatically as per need. This protects the pump from dry running and burning.

### Ready to Use

No installation required, just drop it in the tank, and it is ready to use.

### Corrosion Free

Stainless steel body and other rust free parts prevent corrosion.

### TOP - Thermal Overload Protector

The pump set features a Thermal Overload Protector that protects the motor from overloading, shielding of the motor and associated circuit from the effects of fault current.

## TECHNICAL SPECIFICATION

Head Range	- Up to 12 Metres
Discharge Range	- Up to 330 LPM
Power Rating	- 0.75 to 1.8 kW (1 to 2.5 HP)
Voltage Range	- 180 to 240 Volts (Single Phase)
Protection	- IP68
Insulation	- SW - F Class / BW - B Class
Cable Length	- 9.5 meters
pH Value	- 4 - 10
Max. Liquid density	- $1.2 \times 10^3 \text{ kg/m}^3$
Max. liquid temperature	- $+40^\circ \text{C}$

## MATERIAL OF CONSTRUCTION

	SW	BW
Impeller	- Noryl	Cast Iron
Delivery Casing	- Stainless Steel	Cast Iron
Motor Body	- Stainless Steel	Stainless Steel
Pump Shaft	- Stainless Steel	Stainless Steel
Cutter	-	40 Cr Steel

## APPLICATIONS

- Removing stagnant water from basement / underground parkings / garages
- Draining accumulated storm water during monsoons
- Emptying water-tanks and pits for cleaning
- Waste water from kitchens, hotels, clubs
- Surplus water from sumps



SW

BW



PERFORMANCE CHART FOR SW AND BW PUMPS AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE-PHASE AC POWER SUPPLY																
S. No.	Pump Model	Power Rating		Del. Size (mm)	Rated Voltage (Volts)	TOTAL HEAD IN METRES								Max. Solid Size (mm)	Min. Sub. From Bottom (mm)	
		kW	HP			3	4	5	6	7	8	9	10			12
						DISCHARGE IN LITERS PER MINUTE										
1	750SW	0.75	1.0	40	220	180	150	120	95	60	-	-	-	-	15	370
2	1000SW	0.93	1.25	40	220	-	-	200	180	150	120	90	50	-	15	390
3	1300BW	1.3	1.75	50	220	-	-	-	270	240	204	162	132	60	10	530
4	1800BW	1.8	2.5	65	220	-	-	-	330	300	240	180	120	-	10	630

**Note:**

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.