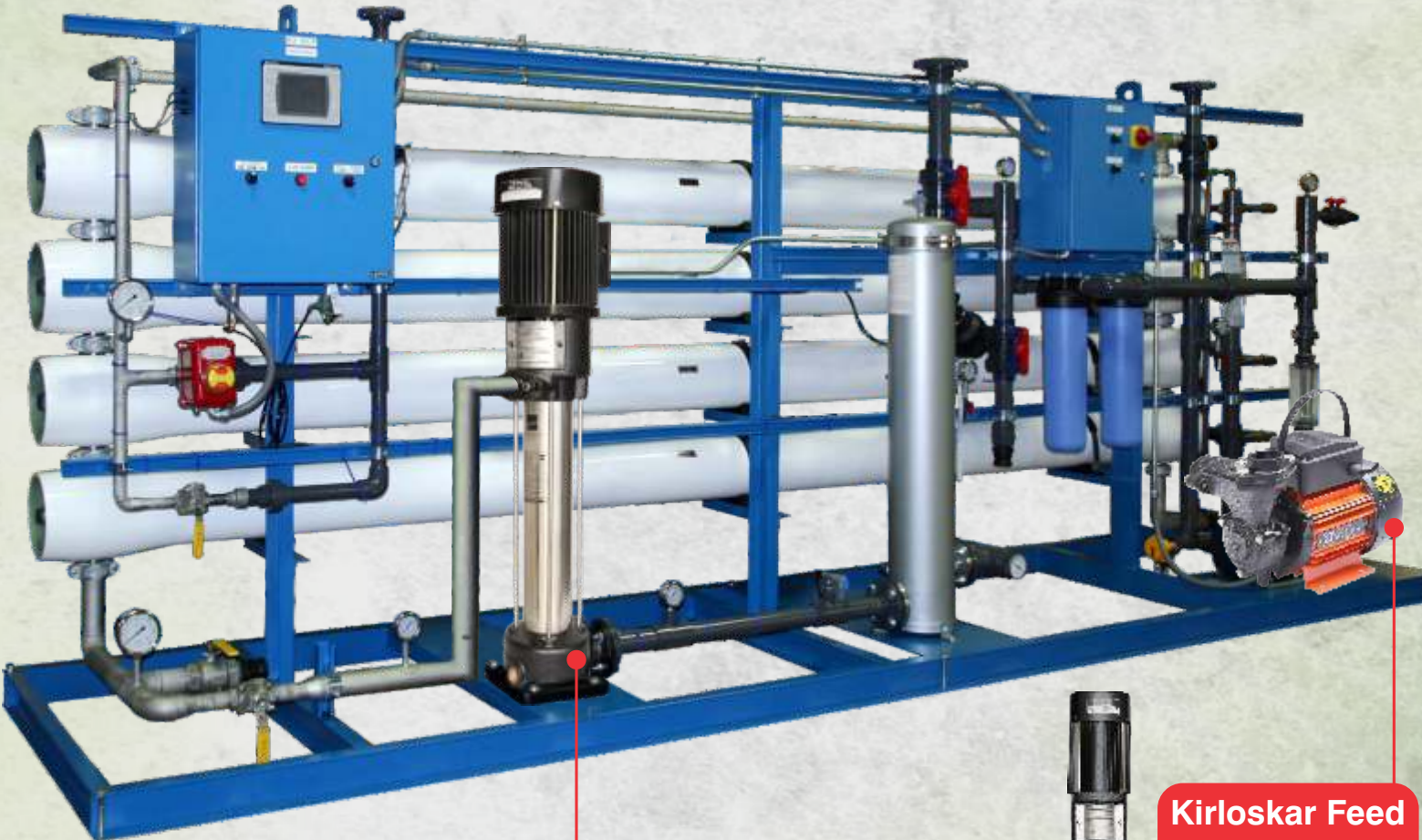




Enriching Lives

# KIRLOSKAR PUMPS

**SPECIALY DESIGNED AND MADE TO LAST A LIFETIME\* FOR RO PLANTS**



**KVM - Kirloskar High Pressure Pump**

**Kirloskar Feed Water Pump**



**KVM - High Pressure Pump**  
Rewarded India Design Mark



**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company

# KIRLOSKAR PUMPS

## PRODUCT DESCRIPTION

Kirloskar Vertical Multi-stage pump (KVM) is specially designed for use in RO plants for pumping water at high pressure across the membranes to deliver potable and safe drinking water. Being the heart of the RO plant, KVM is built with components that do not deteriorate with time and ensure reliable operations. It is also highly efficient, compact and light-weight, thus enabling space saving and ease of integration in the plant. The pump is available in various sizes depending on its concerned application in the RO plant. KVM can also be used for pressure boosting, firefighting, industrial washing, air conditioning.

## FEATURES

- **High Grade Engineering Polymer Impellers and Diffuser**
  - Excellent chemical resistance to most of the acids, bases, chlorides and cleaning agents
  - Excellent hydrolytic stability
  - Excellent long term dimensional stability for reliable and consistent performance
- **Keyed Shaft**
  - Positive impeller locking for better life
- **Wide Voltage Range**
  - The motor is designed to withstand wide voltage fluctuations (ranging between 180 -240 V (1Ø) and 300- 440V (3Ø)) that prevents motor burning in case of voltage variations.
- **Light-weight**
  - Easy handling
  - Easy to integrate in the system
- **High Efficiency**
  - Low power consumption
- **CED Coating**
  - CED is the latest coating technology for corrosion resistance that comes with an uniform coating, which provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps that come in contact with water are CED coated.
- **Wide operating range with flatter characteristics for a stable performance.**
- **Cartridge Type Mechanical Seal**
  - Superior quality cartridge type mechanical seal with high quality graphite and hard alloy ensures better heat resistance wear resistance capacity, zero leakage, lower friction loss, will not wear the shaft, easy maintenance without opening pump and longer life.

## TECHNICAL SPECIFICATION

Head Range	: Upto 175 Meters
Discharge Range	: Upto 25 m <sup>3</sup> /hr
Power Rating	: Upto 5.5 kW (7.5HP)
Voltage Range	: 180 to 240 Volts (Single Phase) 300 to 440 Volts (Three Phase)
Insulation	: F Class
Protection	: IP 44
pH Value	: 5 - 8.5

## OTHER APPLICATIONS

- Pressure boosting and lifting water in apartments and bungalows
- Irrigation
- Firefighting systems and washing systems
- Air conditioner, cooling system and industrial cleaning
- Hydro Pneumatic System

**PERFORMANCE CHART FOR KVM SERIES, 2 POLE, AT RATED VOLTAGE OF 230/415 VOLTS, 50 Hz FREQUENCY, SINGLE/THREE PHASE A.C. POWER SUPPLY**

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of stages	lps m <sup>3</sup> /hr	0.28	0.42	0.56	0.69	0.83	0.97	1.11	1.39	1.67
		kW	HP	SUC.	DEL.			1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
1	KVM-2070	1.1	1.5	25	25	10	Head In Meters	75	73	70	64	58	51	45	27	11
2	KVM-2085	1.1	1.5	25	25	12		90	88	85	78	69	62	54	33	13
3	KVM-2100	1.5	2	25	25	14		108	105	100	94	85	75	67	44	18
4	KVM-2115	1.5	2	25	25	16		123	120	115	106	96	85	75	47	20
5	KVM-2130	2.2	3	25	25	19		147	145	140	127	113	99	87	54	22
6	KVM-2170	2.2	3	25	25	23		175	171	165	150	135	120	106	66	27

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of stages	lps m <sup>3</sup> /hr	0.28	0.56	0.83	1.11	1.39	1.67	1.94	2.22	2.50
		kW	HP	SUC.	DEL.			1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
1	KVM-4084	2.2	3	32	32	12	Head In Meters	93	90	86	81	73	65	53	40	25
2	KVM-4114	3.7	5	32	32	16		127	124	120	114	103	88	72	53	35
3	KVM-4122	3.7	5	32	32	18		142	136	130	122	111	96	80	60	40
4	KVM-4136	3.7	5	32	32	20		160	154	145	135	123	106	87	66	45

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of stages	lps m <sup>3</sup> /hr	0.56	1.11	1.67	2.22	2.78	3.33	3.89	4.44	5.00
		kW	HP	SUC.	DEL.			2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0	18.0
1	KVM-10078	3.7	5	42	42	8	Head In Meters	91.5	89	87	83	78	72	66	57.5	49
2	KVM-10098	5.5	7.5	42	42	10		113	110	107	104	98	91	82	72	60
3	KVM-10115	5.5	7.5	42	42	12		138	135	129	123	115	107	98	87	74

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		No of stages	lps m <sup>3</sup> /hr	0.83	1.67	2.5	3.33	4.17	5	2.83	6.66	6.94
		kW	HP	SUC.	DEL.			3.0	6.0	9.0	12.0	15.0	18.0	21.0	24.0	25.0
1	KVM-15045	3.7	5	65	65	4	Head In Meters	56	54	52	49	45	40	35	29	26
2	KVM-15072	5.5	7.5	65	65	6		85	82	80	76.5	72	66	59	49	45

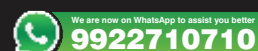
\* Under specified working conditions

KVM-10078, KVM-10098, KVM-10115, KVM-15045 and KVM-15072 are inline pump and supplied with IE4 three phase motor as a standard scope of supply.

**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company



Toll Free Number: 1800 103 4443  
www.kirloskarpumps.com

Registered Office & Global Headquarters : "Yamuna", Survey No. 98 /(3 to7), Plot No. 3, Baner, Pune 411 045, State Maharashtra, India.

Tel.: +91 (20) 2721 4444 Fax: +91 (20) 67211060 Email: marketing@kbl.co.in Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670