



SWADESHI AND QUALITY

Since 1928



Enriching Lives

# DISCOVER THE WORLD OF KIRLOSKAR PUMPS AND VALVES



*'Fluid Management for a Better Tomorrow'*

**KIRLOSKAR BROTHERS LIMITED**



## ABOUT KBL

Kirloskar Brothers Limited (KBL) is a world class pump manufacturing company with expertise 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. We engineer and manufacture industrial, agriculture & domestic pumps, valves and hydro turbines.

In 2003 KBL acquired SPP Pumps, United Kingdom and established SPP INC, Atlanta, USA, as a wholly owned subsidiary of SPP, UK and expanded its international presence. In 2007, Kirloskar Brothers International B.V., The Netherlands and Kirloskar Brothers (Thailand) Ltd, a wholly owned subsidiary in Thailand were incorporated. In 2008, KBL incorporated Kirloskar Brothers Europe BV, a joint venture between Kirloskar Brothers International BV and Industrial Pump Group, The Netherlands. In 2010 KBL further consolidated its global position by acquiring 90% stakes in Braybar Pumps, South Africa. SPP MENA was established in Egypt in 2012. KBL has joint venture cooperation with Ebara, Japan since 1988. Kirloskar Corrocoat Private Limited is joint venture cooperation with Corrocoat, UK since 2006. KBL acquired The Kolhapur Steel Limited in 2007 and Hematic Motors in 2010.

KBL has eight manufacturing facilities in India at Kirloskarvadi, Dewas, Kondhapuri, Shirwal Ahmedabad, Coimbatore, Kolhapur and Karad. In addition, KBL has seven manufacturing and packaging facilities in Egypt, South Africa, Thailand, The Netherlands, United Arab Emirates, United Kingdom and United States of America. KBL has 12,700 channel partners in India and 80 overseas and is supported by best in class network of Authorised Centres and Authorised Refurbishment Centres across the country.

All plants of KBL are ISO 9001 & ISO 14001, OHSAS 18001, ISO 14000 Environment Standard certified. They apply Total Quality Management tools using European Foundation for Quality Management (EFQM) model. The Kirloskarvadi plant of KBL is a state-of-the-art integrated manufacturing facility having Asia's largest hydraulic research centre with testing facility up to 5000 kW and 50,000 m<sup>3</sup>/hour.

KBL is the only pump manufacturing company in India and ninth in the world to be accredited with the N and NPT certification by American Society of Mechanical Engineers (ASME).

## OUR CAPABILITIES

- Cast Iron Foundries
- Alloy Cast Steel Foundry
- Non- Ferrous Foundry
- Centralised Pattern Shop
- Mechanised Sand processing System
- Automatic Moulding and metal pouring System
- Independent units for cast iron , alloy steel and non-ferrous metals , exotic materials like Duplex and Super Duplex
- Single Casting (CI) weighting up to 14000 kg
- Extensive and well equipped material testing laboratory



## Hydraulic Research Center (HRC)

- Largest Hydraulic Research Center (HRC) in Asia, outside Japan, for testing pumps at duty conditions up to 5000 kw (motors of 3.3/6.6/11KV) and discharge up to 50,000 m<sup>3</sup>/hr.
- Closed circuit NPSH testing capabilities
- Computerized data acquisition system
- Sump model study facility.
- Conceptualized and built under the guidance & supervision of British Hydraulic Research Association



## Manufacturing Locations (India)

1. Kirloskarvadi, Maharashtra
2. Shirwal, Maharashtra
3. Kolhapur, Maharashtra
4. Ahmedabad, Gujarat
5. Dewas Madhya Pradesh
6. Kondhapuri, Maharashtra
7. Coimbatore, Tamil Nadu

## Manufacturing Locations (Global)

1. Atlanta, United States of America
2. Jebel Ali, United Arab Emirates
3. Coleford, Gloucestershire
4. Johannesburg- Braybar Pumps (Pty) Limited, Republic of South Africa
5. Velson Noord, The Netherlands
6. Bangkok, Thailand
7. Johannesburg – SPP Pumps Limited, Republic of South Africa

## Kirloskar Pumps & Valves Showcase



**Gate Valves (Cast Steel)**



**Globe Valves (Cast Steel)**



**Check Valves (Cast Steel)**

### Range

Class 150 Size 2" (50 mm) to 24" (600 mm)  
  
Class 300 Size 2" (50 mm) to 12" (300 mm)  
  
Conforming to BS 1414/API 600  
  
Temperature upto 475°C

Class 150 and Class 300 Size 2" (50mm) to 8" (200 mm)  
  
Conforming to BS 1873  
  
Temperature upto 475°C

Class 150 and Class 300 Size 2" (50mm) and 8" (200mm)  
  
Conforming to BS 1868  
  
Temperature upto 475°C

### Features

- ▮ Rigid and Sturdy Design
- ▮ Low pressure loss

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### Applications

- ▮ Chemical Industries
- ▮ Process Industries
- ▮ Refineries

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Valves with Pumps installed at Maharashtra Industrial Development Corporation Water Supply Project, Mumbai, India





**Inline Pumps**

**Type-ILS**



**Canned Motor Pumps**

**Type-KCS**



**Vertical Turbine Pumps**

**Type-BHR/BHQ/BHM/BHMa/BHA**



**Concrete Volute Pumps**

|   |  |   |   |
|---|--|---|---|
| <p>Delivery size from 40 mm to 100 mm (1<sup>5</sup>/<sub>8</sub>" to 4")</p> <p>Capacity up to 210 m<sup>3</sup>/hr. (925 USgpm)</p> <p>Head up to 65 metres. (208 ft)</p> <p>Temperature (-)30°C to 90°C.</p> | <p>Delivery size from 20 mm to 250 mm (¾" to 10")</p> <p>Capacity up to 1000 m<sup>3</sup>/hr. (4400 USgpm)</p> <p>Head up to 135 metres. (432 ft)</p> <p>Temperature (-) 40°C to 250°C</p>                                    | <p>Delivery size from 150 mm to 2200 mm (6" to 88")</p> <p>Capacity up to 40,000 m<sup>3</sup>/hr. (1,76,120 USgpm)</p> <p>Head up to 240 metres. (768 ft)</p> <p>Temperature (-) 10°C to 90°C</p>                                  | <p>Delivery size up to 4000 mm ( 160" )</p> <p>Capacity up to 1,20,000 m<sup>3</sup>/hr (5,28,360 USgpm)</p> <p>Head up to 50 metres (160 ft)</p> <p>Motor rating up to 4500 Kw (6120 hp)</p>   |
| <ul style="list-style-type: none"> <li>Conforming to DIN 24255</li> <li>Back pull-out design</li> <li>Gland packed / Mechanical seal</li> <li>50HZ/60HZ availability</li> </ul>                                 | <ul style="list-style-type: none"> <li>Non- seal pump</li> <li>Integral construction of pump &amp; motor</li> <li>Pumped liquid cools the motor and lubricates motor bearing</li> <li>Horizontal/vertical execution</li> </ul> | <ul style="list-style-type: none"> <li>Dry pit/wet pit arrangement available.</li> <li>Low submergence</li> <li>Gland packed/ Mechanical seal</li> <li>50HZ/60HZ availability.</li> <li>Radial / Axial / Mixed Flow Type</li> </ul> | <ul style="list-style-type: none"> <li>Oil lubricated bearings</li> <li>No water contact with shaft, hence no corrosion</li> <li>Volute casing - Reinforced Concrete</li> <li>Shaft, Impeller and other components</li> <li>Special material available</li> </ul>                       |
| <ul style="list-style-type: none"> <li>Air-conditioning</li> <li>Booster service</li> <li>Sprinkler systems</li> </ul>  | <ul style="list-style-type: none"> <li>Nuclear power plants</li> <li>Petrochemical plants</li> <li>Refrigeration plants</li> </ul>   | <ul style="list-style-type: none"> <li>Cooling tower</li> <li>Dry docks</li> <li>Fire fighting</li> <li>Irrigation</li> <li>Refineries</li> <li>Thermal and Nuclear Power plants</li> <li>Water supply</li> </ul>                   | <ul style="list-style-type: none"> <li>Aqua Culture</li> <li>Circulating Water/Condenser</li> <li>Cooling Water for Power Plants</li> <li>Desalination</li> <li>Drainage and Flood Control</li> <li>Dry Docks</li> <li>Lift Irrigation and Water Supply</li> <li>Storm Water</li> </ul> |



**Vertical Turbine Pumps installed at Takari II Stage Irrigation Project, Maharashtra, India**



**Sluice Valves**



**Reflux Valves  
(Non-Return Valves)**



**Butterfly Valves**

Size 50 to 1200 mm  
( 2" to 48" )  
Pressure PN 0.4 to  
PN 1.6 (Conforming to  
IS 780 & IS 2906)  
Rating PN 1.6  
(Conforming to BS 5163)  
Temperature upto 60°C

Size 350 to 750 mm  
( 14" to 30" )  
Conforming to IS 5312  
Temperature upto 60°C

Size 80 to 2500 mm  
( 3" to 100" )  
Pressure up to PN 1.6  
Conforming to BS 5155  
Temperature upto 60°C

- ▮ Rigid and sturdy design
- ▮ Low pressure loss
- ▮ Rising stem or  
Non-rising stem type
- ▮ Resilient seated valves  
available

- ▮ Bypass and dashpot  
arrangement
- ▮ Multidoor arrangement
- ▮ Low pressure loss

- ▮ Duo-eccentrically  
mounted/streamlined  
disc
- ▮ Less wear and tear
- ▮ Self-cleaning and non  
jamming seat design.
- ▮ Low operating torque.

- ▮ Agriculture
- ▮ Fire Fighting
- ▮ Irrigation
- ▮ Power
- ▮ Sewerage
- ▮ Sugar
- ▮ Water Supply

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**Sluice and Reflux Valves installed at a Metro Municipal Corporation in India.**

# Kirloskar Pumps & Valves Showcase



**Horizontal Axially Split  
Casing Single Stage Pumps**  
Type-UP/UPL/UPH/UP(T)



**Horizontal Axially Split  
Casing Pumps**  
Type -SCT/SCT Extended



**Horizontal Axially Split  
Casing Two Stage Pumps**  
Type-DSM/DSM (T)

## Range

Delivery size from 50 mm to 1100 mm (2" to 43")

Capacity up to 20,000 m<sup>3</sup>/hr.  
(88060 USgpm)

Head up to 160 metres.  
(512 ft)

Temperature (-) 10°C to 90°C

Delivery size from 50mm to 350 mm (2" to 14")

Capacity up to 4500 m<sup>3</sup>/hr  
(19814 USgpm)

Head up to 330 metres  
(1056 ft)

Temperature (-) 10 °C to 100°C

Delivery size from 50 mm to 150 mm (2" to 6")

Capacity up to 470 m<sup>3</sup>/hr.  
(2069 USgpm)

Head up to 180 metres  
(576 ft)

Temperature (-) 10°C to 90°C

## Features

- Gland packed/  
Mechanical seal
- 50HZ/60HZ availability.

- Pump axis horizontal or vertical
- Gland packed/  
Mechanical seal
- 50HZ/60HZ availability.

- Gland packed/  
Mechanical seal
- 50HZ/60HZ availability.

## Applications

- Air-conditioning
- Fire fighting
- Irrigation
- Paper, sugar and textile mills
- Power plants
- Water supply

- Air conditioning and refrigeration system
- Fire protection systems and mining
- Petroleum refineries
- Water/liquids with slight impurities

- Air-conditioning
- Fire fighting
- Irrigation
- Mine drainage
- Power plants
- Water supply



Horizontal Splitcase Pump installed at a Chemical plant in Kochi, India.

# Kirloskar Pumps & Valves Showcase



**Solids Handling  
Non-Clog Pumps**  
Type-SHL



**Non-Clog Pumps**  
Type - NK/NKV



**Submersible Sewage Pumps**  
Type-NS

## Range

Delivery size 250 mm to 900 mm (10" to 35")

Capacity up to 13000 m<sup>3</sup>/hr (57,240 USgpm)

Head up to 82 metres (262 ft)

Temperature (-) 10<sup>0</sup>C to 90<sup>0</sup>C

Delivery size up to 450 mm (18")

Capacity up to 3400 m<sup>3</sup>/hr (14,970 USgpm)

Head up to 55 metres (176 ft)

Temperature (-) 10<sup>0</sup>C to 140<sup>0</sup>C

Delivery size from 40 mm to 200 mm (1½" to 8")

Capacity up to 750 m<sup>3</sup>/hr. (3302 USgpm)

Head up to 48 metres. (154 ft)

Temperature (-) 10<sup>0</sup>C to 90<sup>0</sup>C

## Features

- Horizontal Shaft, single stage, single suction pumps with back pull-out type design.
- 50HZ/60HZ availability.

- Single Stage, end suction, horizontal non clog pumps
- Also available in vertical design.

- Non-clog two vane or single vane enclosed impeller.
- Permissible solid size up to 105 mm. (maximum)
- Gland packed/ Mechanical Seal
- 50HZ/60HZ availability.

## Applications

- Contaminated process liquids like sugar factory waste, trade liquors
- For handling liquids with solids in suspension, Pulpy material in paper Industries
- Viscous liquids or powdered material slurries

- Effluents, sewage, muddy, viscous, contaminated liquids containing solids in suspension, in sugar factories, sewage pumping stations, chemical, fertilizer, pulp and paper, food and steel industries.

- Effluents
- Raw sewage
- Storm water
- Waste water



Sewage Handling Pumps at Versova, Maharashtra, India.





**End Suction Single Stage Monoblocs**  
Type-KS



**End Suction Two Stage Monoblocs**  
Type-KDT+



**Monobloc Pumps**  
Type - DBM



**Vacuum Pumps**  
Type - KV

Delivery size 50 mm to 150 mm (2" to 6")

Capacity up to 260 m<sup>3</sup>/hr (1144 USgpm)

Head up to 22 metres. (70 ft)

Power rating 2.2 kw to 7.5 kw (3 hp to 10 hp)

Delivery size from 32 mm to 65 mm (1<sup>5</sup>/<sub>8</sub>" to 2<sup>5</sup>/<sub>8</sub>" )

Capacity up to 70 m<sup>3</sup>/hr. (308 USgpm)

Head up to 102 metres. (326 ft)

Power rating 0.75 kw to 15 kw (1 hp to 20 hp)

Delivery size up to 80 mm (3<sup>1</sup>/<sub>8</sub>" )

Capacity up to 200 m<sup>3</sup>/hr (880 USgpm)

Head up to 64 metres (205 ft)

Temperature (-) 30°C to 100°C

Vacuum up to 650 mm (26") of Mercury

Air Flow Rate up to 55 m<sup>3</sup>/hr (242 USgpm)

Power rating 0.75 Kw to 2.2 Kw (1 hp to 2 hp)

- Gland packed / Mechanical seal
- Withstands voltage fluctuation from 300 V to 400 V
- High suction lift

- Gland packed / Mechanical seal
- Suitable for voltage fluctuation from 300 V to 440 V.

- Single Stage, Single suction
- Conforming to DIN 2533 ND 16
- High efficiency Volute type casing

- Voltage range from 180V to 240V - for single phase
- Voltage range from 300V to 440 V for three phase
- Class of insulation 'B' Models are with IP-44 protection

- Irrigation
- Water Supply

- Agriculture
- Industrial usage
- Domestic water supply
- Drinking water supply
- Water supply schemes

- Booster Service
- Pumping Clear or turbid water up to 3000 ppm
- Sprinkler Irrigation

- Drying, Evaporation, Distillation
- Evacuation of air from suction pipes and chambers
- Filtration, Sterilisation
- Priming of large pumps
- Twist drilling machine bottle filling



Monobloc Pump in use for water supply at a site in india

# Kirloskar Pumps & Valves Showcase



**Domestic Monoblocs**

**Type-MINI+**



**Self Priming Slow Speed  
Monoblocs**

**Type-ULTIMA**



**End Suction Single Stage  
Monoblocs**

**Type-KDS+**

## Range

Delivery size 20 mm and  
25 mm ( $\frac{3}{4}$ " and 1")

Capacity up to  
3200 LPH (3.2m<sup>3</sup>/hr)  
(14 USgpm)

Head up to 50 metres.  
(160 ft)

Power rating 0.18 kw to  
0.75 kw (0.25 hp to 1.0 hp)

Delivery size  
25 mm (1")

Capacity up to  
4m<sup>3</sup>/hr (18 USgpm)

Head up to 40 metres.  
(128 ft)

Power rating upto  
0.75 kw (1.0 hp)

Delivery size  
25 mm to 100 mm  
(1" to 4")

Capacity up to  
133 m<sup>3</sup>/hr. (585 USgpm)

Head up to 76 metres.  
(243 ft)

Power rating 1.5 kw  
to 15 kw (2 hp to 20 hp)

## Features

- ▮ Single phase end suction monoblocs
- ▮ Portable
- ▮ Noiseless
- ▮ Available in stainless steel

- ▮ Back-pullout type
- ▮ Mechanical Seal
- ▮ Forged brass impeller
- ▮ Shielded ball bearings

- ▮ Gland packed / Mechanical seal
- ▮ Suitable for voltage fluctuation from 300 V to 400 V

## Applications

- ▮ Apartments, villas
- ▮ Booster services
- ▮ Gardening
- ▮ Hospitals, hotels

- ▮ Booster Services
- ▮ Domestic water supply
- ▮ Washing in garages and laundries
- ▮ Industries

- ▮ Agriculture
- ▮ Industrial usage
- ▮ Water supply



A Monobloc Pump in Stainless steel construction in use for domestic water supply.



**Multistage Pumps**

**Type-RKB**



**Multistage Pumps**

**Type- MN/MHA/MLA**



**Side Channel Pumps**

**Type - CF**



**In Line Vertical Multistage Pumps**

**Type-IL**

Delivery size from 32 mm to 250mm (1¼" to 10")

Capacity up to 850 m³/hr (3145 USgpm)

Head up to 850 metres. (2720 ft)

Temperature (-) 40°C to 140°C

Delivery size from 50mm to 300 mm (2" to 12")

Capacity up to 1000 m³/hr. (4400 USgpm)

Head up to 750 metres. (2400 ft)

Temperature (-) 10°C to 90°C

Delivery size from 25 mm to 50 mm (1" to 2")

Capacity up to 20 m³/hr. (88 USgpm)

Head up to 315 metres. (1008 ft)

Temperature (-) 40°C to 120°C

Delivery size up to 100 mm (4")

Capacity up to 75 m³/hr (330 USgpm)

Head up to 220 metres (704 ft)

Temperature (-) 15°C to 120°C

- Also available in vertical execution
- Gland packed/ Mechanical seal
- 50HZ/60HZ availability.

- Gland packed/ Mechanical seal
- 50HZ/60HZ availability.

- Conforming to DIN 24254
- Flanges to DIN 2501 PIN 40
- Channel Multistage, Modular Construction
- Self priming
- Gland packed/ Mechanical seal
- Electrical Drive/Engine Drive

- Pressed stainless steel components
- Very high efficiencies
- Low NPSH
- All wetted parts in SS304 or SS316
- Mechanical Seal
- 50Hz /60Hz availability

- Boiler feed
- Booster Service
- Fire fighting
- Mine Dewatering

- Booster Service
- Fire-fighting
- Irrigation
- Mine Dewatering

- Air Conditioning
- Boiler Feed
- Domestic
- Petroleum, Chemical and Process Industry
- Ship/Naval Engineering

- Booster, Firefighting, HVAC
- Boiler feed, condensate/DM water
- Pressurised cleaning systems Drip and sprinkler irrigation
- Purified water, food, pharma sectors
- Reverse Osmosis, water treatment



Vertical Multistage pressed stainless steel Inline Pumps installed at a site.



Since 1928

SWADESHI AND QUALITY

## **W. R. TALWALKER BROTHERS PVT. LTD.**

An ISO 9001:2015 Certified Company  
Authorised Distributors For Kirloskar Products

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