

One Stop Smart Pump Solutions FOR BUILDINGS

- Energy Efficient
- Low Maintenance
- Increased Safety
- Cloud Based Monitoring IoT

KIRLOSKAR BROTHERS (THAILAND) LIMITED

ASIA HEAD QUARTER KBTL

50 SUKHUMVIT 21 ROAD (ASOKE) GMM GRAMMY PLACE
OFFICE BUILDING 18 FLOOR UNIT 1805 KHLONGTOEY-NUA,
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Pump Capabilities for Buildings

SPP
PUMPS

Kirloskar
Sustainable Smart Pumping Solutions



Fire Pumps



Booster Set



HVAC Pumps



Waste Water Pumps

COMPANY INTRODUCTION



Kirloskar Brothers (Thailand) Limited

KBTL your Smart Sustainable Pumping Solutions Partner

Kirloskar Brothers Limited is a pump manufacturing company involved in engineering and manufacture of systems for fluid management. Established in 1888 and incorporated in 1920, KBL is the flagship company of the \$2.5 billion Kirloskar Group. The market leader in fluid management,

KBL provides fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, chemical and Industrial as well as oil & gas. The company engineers and manufactures industrial & petrochemical, API pumps, valves and hydro turbines.

KBL acquired famous pump brands like SPP Pumps UK and Rodelta Pumps from The Netherlands as well as a joint venture cooperation with Ebara, Japan since 1988 under Kirloskar Ebara Pumps.

Kirloskar Brothers (Thailand) Limited (KBTL) is the BOI promoted head quarter and assembly plant for the KBL Group of companies for the East Asia region based in Amata Chonburi for Kirloskar, SPP, Rodelta, Syncroflo and KEPL products.

KBTL Manufacturing excellence, service, testing, stock and engineering capabilities in Thailand enable us to supply high efficiency & quality products and services to our customers in the region.

KBTL has a manufacturing, fabrication and assembly facility as well as one of the largest pump stocks in the Asia region. We can test pumps up to 200 kW and have a large service center to service any brand pumps as well as coat or upgrade as well as retrofit parts via our 3D printer.

KBTL has a full range of industry 4.0 IoT enabled monitoring devices and instruments to further monitor and optimize your pump systems to realize energy and process savings.

OUR GROUP COMPANIES



FIRE PUMPS



VERTICAL TURBINE

Technical Data

Model Name: VT – BHR series
Flow: 500 to 3000 US gpm*
Pressure: up to 223 psi
Speed: 1470 to 1770 rpm
Drive: Diesel / Electric

* Higher flows on request



SPLIT CASE

Technical Data

Model Name: FR, FH, DSM and SCT series
Flow: 150 to 5000 US gpm
Pressure: up to 370 psi
Speed: 1480 to 3550 rpm
Drive: Diesel / Electric



END SUCTION

Technical Data

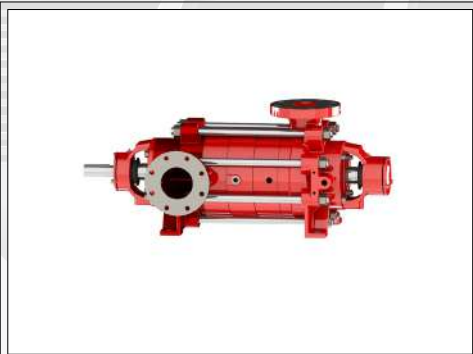
Model Name: FF series
Flow: 200 to 1500 US gpm
Pressure: up to 159 psi
Speed: 1480 to 3550 rpm
Drive: Diesel / Electric



JOCKEY PUMP

Technical Data

Model Name: KCIL/SMV series
Flow: 5 to 255 US gpm
Pressure: up to 478 psi
Speed: 2900 rpm
Drive: Electric



MSMO

Technical Data

Model Name: RKB series
Flow: 1000 to 1250 US gpm
Pressure: up to 130 psi
Speed: 1488 to 1500 rpm
Drive: Diesel and Electric

HVAC PUMPS

Vertical Split Case

Flow- up to 1800m³/hr
Head- up to 280m



Horizontal Split Case

Flow- up to 40000m³/hr
Head- up to 240m

Lowest Life Cycle - LLC

Flow- up to 3400m³/hr
Head- up to 210m



End Suction / Back Pull out

Flow- up to 2200 m³/hr
Head- up to 150m

Vertical In Line - Upcoming

Flow- up to 450m³/hr
Head- up to 45m



Specialist In Anti Corrosion

We can apply coatings for the following industrial processes:

- Power generation
- Oil and Gas
- Petrochemical
- Mining & Mineral Process
- Steel Manufacturing
- Structural steel
- Marine & Offshore
- Water and Waste
- General Industry

Energy Enhance Coating Technology

According Hydraulic Institute pumps **loses 1% efficiency** every year.

By coating your pump we can:

- Reduce down time (Increase MTBF)
- Improve Efficiency leads to high Energy Savings over a longer period
- Extend Equipment Life as it has higher corrosion resistance
- Reduce Capital Expenditure



WASTE WATER / UTILITY PUMPS



SSWQ

SUBMERSIBLE SEWAGE PUMP



Application

- Wastewater drainage in factories, construction sites and commercial facilities
- Drainage system in municipal sewage treatment plants
- Drainage station in residential quarters
- Municipal projects
- Methane pools and field irrigation in countryside

Pump

Max. immersion depth:	10m (0.75-5.5kw-2P), 20m (7.5kw-2P/5.5-45kw-4P)
Cable length:	8 m
Max. liquid temperature:	up to +40°C
Liquid PH value:	6 - 10
Max.liquid density:	1.3x103 kg/m3
Allowed by the particle diameter:	20 - 80 mm
Float switch:	single phase

Application

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm. Pumping sewage form hotels, restaurants, schools and public buildings

Pump

High-efficiency & anti-clogging enclosed channel impeller Flexible installations with hoses, pipes or quick-coupling systems Float switch as standard accessory for single phase (≤ 1.1 kw) Double-end mechanical seal

Stainless steel welded shaft

Liquid temperature: 0 - 40 °C

Liquid PH value: 4 - 10

Max. immersion depth: 5 m

SSW

SUBMERSIBLE SEWAGE PUMP



WASTE WATER / UTILITY PUMPS



SSWP

SUBMERSIBLE SEWAGE PUMP



Application

- Used In pressure sewage system
- Drainage of wastewater from individual residences, apartment buildings, recreational developments, models
- Transferring wastewater of commercial buildings, industrial plants, wastewater sampling, small hospitals
- Schools, federal, state and local parks, wastewater drainage
- To transfer various wastewater and sewage

Pump

Semi-open vortex impeller & reliable grinding system
Flexible installations with hoses, pipes or quick-coupling systems Float switch as standard accessory for single phase ($\leq 1.1\text{kw}$) Double-end mechanical seal
Stainless steel welded shaft
Liquid temperature: 0 - 40 °C
Liquid PH value: 4 - 10
Max. immersion depth: 5 m

SSWU

SUBMERSIBLE SEWAGE PUMP

Application

- Drainage of wastewater from the attenuation tank, purifying tank and sewage tank in water treatment plant
- Drainage of waste water containing fibrous additives from leather factory and food processing factory.
- Sewage management, accumulated water, septic tank, stock farm. Pumping sewage form hotels, restaurants, schools and public buildings

Pump

Semi-open vortex impeller, suitable for liquid containing impurities and long fiber substance Flexible installations with hoses, pipes or quick-coupling systems Float switch as standard accessory for single phase ($\leq 1.1\text{kw}$) Double-end mechanical seal
Stainless steel welded shaft
Liquid temperature: 0 - 40 °C
Liquid PH value: 4 - 10
Max. immersion depth: 5 m

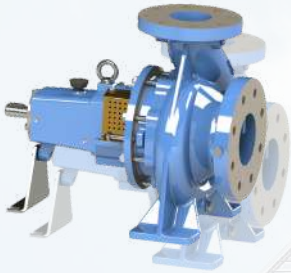


WASTE WATER / UTILITY PUMPS



DBxe

END SUCTION PUMP



Application

- Water supply
- Sprinkling
- Air conditioning
- Industrial water
- Swimming pool
- Water Hot water (Up to 90 °C)
- Fire fighting
- Drinking water/Potable water
- Cooling water
- Condensate
- Clear juice

Pump

Delivery size :	32 to 150 mm
Capacity :	Up to 550 m ³ /hr
Head :	Up to 100 m
Speed :	1450 & 2900 rpm ,1760 & 3500 rpm
Working Pressure :	16 Kg/cm ² (MAWP)
Temperature :	-10 to 90 °C

SHM

SOLIDS HANDLING NON-CLOG PUMPS

Application

- For handling liquids with solids in suspension, sludge or pulpy material in Paper Industries, sewage or waste with soft solids in suspension, viscous liquids or liquids carrying fibrous material or powdered material slurries, contaminated process liquids like Sugar factory waste, trade liquors, Water Carrying Gravel, etc.

Pump

Delivery size :	up to 200 mm
Capacity:	up to 800 m ³ /hr
Head:	up to 90 m
Max. permissible solid size :	up to 105 mm, depending on the model consistency up to 5% QP impellers for more than 6% consistency Q impellers for more than 4% consistency



WASTE WATER / UTILITY PUMPS



CPHM

SUBMERSIBLE SEWAGE PUMP



Application

- Air conditioning
- Firefighting
- Booster services
- Sprinkler system
- Irrigation

Pump

Delivery size: from 20 mm to 200 mm (3/4 to 8)
Capacity: up to 750 m³/hr (3300 US gpm)
Head: up to 150 metres (480 ft.)
Temperature: (-) 30° C to 90° C

Application

- Handling and exhausting of dry and humid gases; entrained liquid can be handled during normal duty.
- The pumps are applied in all fields where a pressure of 33 to 900 mbar must be generated.
- Distillation Degasification Filtration
- Drying
- Central vacuum plants Extrusion degasification Vacuum calibration Beverage filling Sterilisation

Pump

Displacement pumps of uncomplicated and robust construction with the following particular features:

- nearly isothermal compression
- oil-free, as no lubrication in the working chamber therefore non-polluting
- Capable of handling of nearly all gases and vapours
- small quantities of entrained liquid can be handled
- easy maintenance and reliable operation
- low noise and nearly free from vibration
- wide choice of materials, therefore applicable nearly everywhere
- shaft not in contact with the medium protection against cavitation as standard
- incorporated dirt drain
- no metallic contact of the rotating parts

VACCUUM

SINGLE STAGE LIQUID RING VACUUM PUMPS



WASTE WATER / UTILITY PUMPS



KPD

PROCESS PUMP



Application

- Chemical Process Industries, Petro Chemical, Nuclear, Refinery, Paper, Power Plants and Sugar Plants etc. Pumps suitable for handling Corrosive Liquids, Alkalies, Salt Solutions, Caustics, Hydro Carbons, Oils, Thermic Fluids, Liquefied Gases, Condensates, Viscous Liquids and Congealing Liquid etc

Pump

Delivery size :	up to 200 mm
Capacity :	Up to 900 m ³ /hr
Head :	Up to 225 m
Working Pressure :	16-30 Kg/cm ² (MAWP)
Temperature :	-50 to + 350 °C

CIL

CAST IN-LINE PUMPS

Application

- HVAC: Circulation of hot water, boiler mix-flow, temperature mix-flow, intermittent heat supply, etc
- Air conditioning system: Cooling water circulation
- Water supply system: Filtration and transfer at waterworks; Pressure boosting in main pipe
- Industrial applications: Washing & cleaning systems, boiler feeding, cooling water circulation, water treatment systems, and auxiliary systems
- Fire-fighting system

Pump

Flow:	up to 760 m ³ /h
Head:	up to 85 m
Power range:	0.37 – 132 kW Liquid temperature: 0°C – +90°C
Max ambient temperature:	+ 40°C
Altitude:	up to 1000 m



WASTE WATER / UTILITY PUMPS



SES-QF

END SUCTION STAINLESS STEEL - SEMI OPEN IMPELLER



Application

- Can be used to transfer liquids with light corrosive, requirement for health and containing impurities, etc.
- Suitable for industrial & domestic sewage system, food & beverage processing, farming, pumping water from river and lake, etc.
- Can be used at full head without overloading motor.

Pump

- AISI 304 pump body
- AISI 304 shaft
- Liquid temperature: $-15^{\circ}\text{C} \sim +80^{\circ}\text{C}$ Liquid PH value: 5 - 9
- Max. solid diameter: 19 mm

Application

- It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc

Pump

AISI 304 shaft	
Max. liquid temperature:	+85°C
Altitude:	up to 1000 m
Max. suction:	8 m
Max. inlet pressure:	limited by max. operating pressure
Max. operation pressure:	10 bar
Liquid PH Value:	4-10

SES-C

END SUCTION STAINLESS STEEL - CLOSE COUPLED



WASTE WATER / UTILITY PUMPS



SCMS

CANISTER MULTISTAGE
STAINLESS STEEL



Application

- It is applicable to household water supply, equipment support, pipeline
- pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and
- drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc

Pump

AISI 304 shaft

Max. liquid temperature:

+85°C

Altitude:

up to 1000 m

Max. suction:

8 m

Max. inlet pressure:

limited by max. operating pressure

Max. operation pressure:

10 bar

Liquid PH Value:

4-10

Application

It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc

Pump

AISI 304 shaft

Max. liquid temperature:

+85°C

Altitude:

up to 1000 m

Max. suction:

8 m

Max. inlet pressure:

limited by max. operating pressure

Max. operation pressure:

10 bar

Liquid PH Value:

4-10

SMHR&SMHS

MULTISTAGE HORIZONTAL CAST IRON
MULTISTAGE HORIZONTAL STAINLESS STEEL



WASTE WATER / UTILITY PUMPS



SMID

MULTISTAGE INTEGRAL DISCHARGE



Application

It is applicable to household water supply, equipment support, pipeline pressurization, garden watering, vegetable greenhouse watering, fish farming and poultry raising, industrial and mining, water supply and drainage of enterprises and high-rise buildings, central air conditioner and centralized heating circulation system, etc

Pump

AISI304 welding shaft

Max. liquid temperature:

+60°C

Altitude:

up to 1000 m

Max. inlet pressure:

limited by Max. operating pressure

Max. operation pressure:

8 bar

Liquid PH Value:

6.5 - 8.5

Application

- Contaminated effluents
- Industrial waste water
- Storm water
- Trench and tunnel water
- Drain water
- Saline water
- Drainage water
- Sewage water

Features

- Impellers are available with two or multiple vanes in semi-open and enclosed type to be able to cater to a wide range of application areas
- Permissible solid size up to 125 mm
- Double mechanical seal with back to back arrangement to ensure there is no ingress of pumping liquid in the motor

Specification

- Delivery size up to 150 mm
- Capacity up to 300 m³/hr
- Head up to 50 metres
- Max permissible solid size up to 125 mm

I-NS

SEWAGE & SEEPAGE APPLICATION



WATER BOOSTER SET



Our SPP iBoost! Phone/Web Application can be utilized to monitor your pump system anytime, anywhere.

Safe Energy and secure water supply in your building all monitored in the Cloud 24/7

Do you want to lower your building energy bill?

- SPP iBoost! is designed to work with **2 up to 6 pumps** intelligent and energy optimum pump hydro pneumatic pressure booster systems for high rise buildings, commercial complexes, schools and public areas.
- All our systems can be configured on and offline and monitored in the free cloud service of SPP Pumps.

Typical applications

- Sanitary
- Industrial water
- Drinking water
- Small RO based water treatment units



IoT Solutions

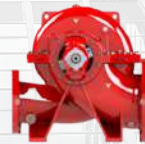
We can connect also all other equipment like elevator / light etc to create a full dashboard to monitor equipment life / trouble shooting and energy consumption via data analyses to optimize the best settings for your building

Connected to the onsite controllers via a secure gateway, you'll be able to keep an eye on everything you need, 24/7 via the cloud and app. With Firepump.AI you'll know exactly when any anomalies or issues arise, before they become critical. Monitor crucial data and more anytime, anywhere, including:

- Water supply
- Fuel supply for diesel engine drives
- Battery voltage for diesel engine
- Pump room altitude and temperature to assure the engine driver de-rate factor is within the NFPA 20 defined limits.



There is zero compromise when it comes to protection of life.



Fire Pumps



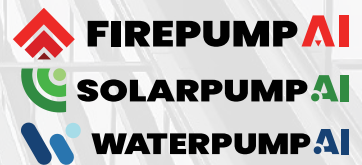
Pumps Driver



Pumps Controller

An international standard for the Installation of Stationary pump for Fire Protection.

24/7 MONITORING



Our Pumps

Installed in many Iconic Buildings around the World



Opera house



Swiss Re



The Marina Bay Sands



Hong Kong Macao Bridge

Our Pumps

Installed in many Iconic Buildings around the World



Channel Tunnel



Heathrow T5



Emirates Tower



Canary Wharf

Our Prestigious Customers



Icon Siam



Siam discovery



BTS Sky train



BAFS Suvarnabhumi Airport

Our Prestigious Customers



EGAT



PTT Offshore



Harrow school Bangkok



Hotel Marriott Khaolak



Enriching Lives

KIRLOSKAR BROTHERS THAILAND

Kirloskar Brothers (Thailand) Limited and SPP Pumps (Asia) Limited are registered companies in Thailand since 2007 and 2016 that provide fluid management and engineered pumping solutions by various types of pumps and pumping systems in Thailand and Southeast Asia such as Indonesia, Singapore, Vietnam, Laos, Malaysia, etc.

Our Services



PUMP PERFORMANCE TEST

Pump Performance testing at Amata Chonburi Thailand.



ENERGY ENHANCE COATING TECHNOLOGY

According to Hydraulic Institute a pump loses 1% efficiency every year. This can be avoided by coatings and systems upgrades saving energy and maintenance cost.



FIREPUMP.AI

Connected to the onsite controllers via a secure gateway, you'll be able to keep an eye on everything, 24/7 via the cloud and app.



FOR MORE INFORMATION

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