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KBT
KIRLOSKAR BROTHERS (THAILAND) LIMITED
SUSTAINABLE SMART PUMPING SOLUTIONS

KBT PUMPS

KIRLOSKAR BROTHERS (THAILAND) LIMITED
ASK@KIRLOSKAR.CO.TH





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KIRLOSKAR THAILAND

Kirloskar Brothers (Thailand) Limited

KIRLOSKAR BROTHERS (THAILAND) LIMITED
A Kirloskar Group Company



KIRLOSKAR BROTHERS LIMITED (KBL)

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.

OUR GROUP COMPANIES



United Kingdom



U.S.A.



India



The Netherlands

KIRLOSKAR THAILAND

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 IN

service, testing, stock and engineering capabilities in Thailand enable us to supply high quality and efficient products and services to our customers in the region.

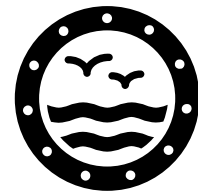
KBTL HAS A MANUFACTURING, FABRICATION AND ASSEMBLY FACILITY

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 of pumps, do corrosion protection and efficiency enhancements coating, upgrade and retrofit parts via our 3D printer.

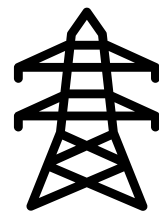
KBTL has a full range of industry 4.0 IoT enabled monitoring devices & instruments to further monitor and optimize your pump systems to realize energy and process savings.



Oil & Gas



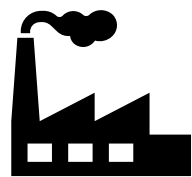
Marine & Defence



Power



Building &
Construction



Industrial



Irrigation &
Agriculture



Water Resource
Management



Customer
Service & Spares



Large & Medium Flow
Pumping Solutions
for complex fluid
management system

Small pumps
for day-to-day use at
households and farms

Valves
for industrial and large-
scale applications

Hydel /PAT/PICO
turbines

OUR KEY COMPETENCE SECTORS

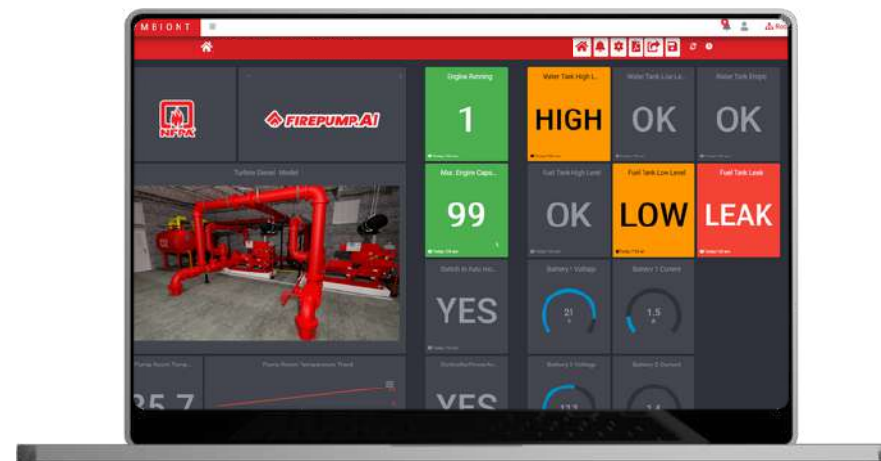
IoT Solutions

Monitoring System



Smart Farming

Our smart solar pumps, empowered by IoT, deliver consistent irrigation and valuable farming data in real time. Solarpump.AI combines weather, soil, and water data, offering actionable insights to boost your farm's health and yield. Solarpump.AI reduces not just water, fertilizer, energy and labor costs, but also promotes greener farming for a healthier lifestyle.



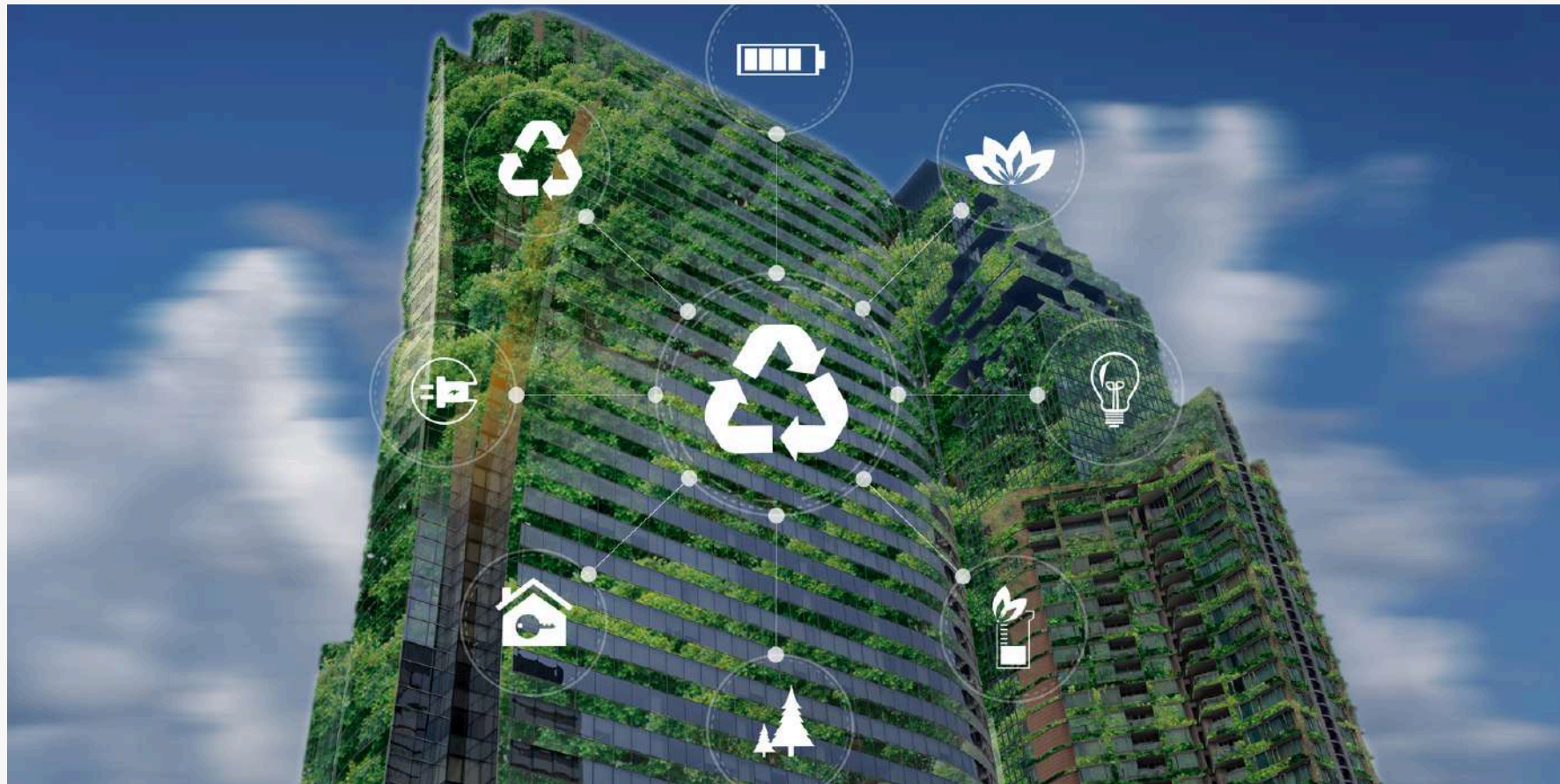
Fire Pump Monitoring System

Connected to the onsite controllers via a secure gateway, you will be able to keep an eye on everything you need, 24/7. With Firepump.AI you will know exactly when any anomalies, before they become critical. Monitor crucial data including water supply, fuel supply for diesel engine drives, battery voltage for diesel engine, pump room altitude and temperature with more parameters.



Water Pump Monitoring System

Help you to ensure reliability through real-time monitoring, predictive maintenance. It enhances cost savings via energy efficiency, reduced upkeep. Operational optimization enables efficient water distribution with data-driven insights. Remote accessibility allows timely issue responses anywhere. This system's environmental impact curbs energy consumption, promotes water efficiency, aiding sustainability.



ENERGY AUDIT

The world is moving towards a sustainable energy future with emphasis on energy efficiency. With this objective in mind, Kirloskar Brothers (Thailand) Limited has started the Energy Conservation Cell wherein a team of Auditors carry out Performance Measurement of Pumps & Motors, called Pumping Systems Energy Audit.

Typically an energy audit is conducted to seek opportunities to reduce the amount of energy input into the system without negatively affecting the output(s)

Identifying the sources of energy use, an energy audit seeks to prioritize the energy uses according to the greatest to least cost effective opportunities for energy savings.

STOCK SERVICE FOR CAPITAL SPARES

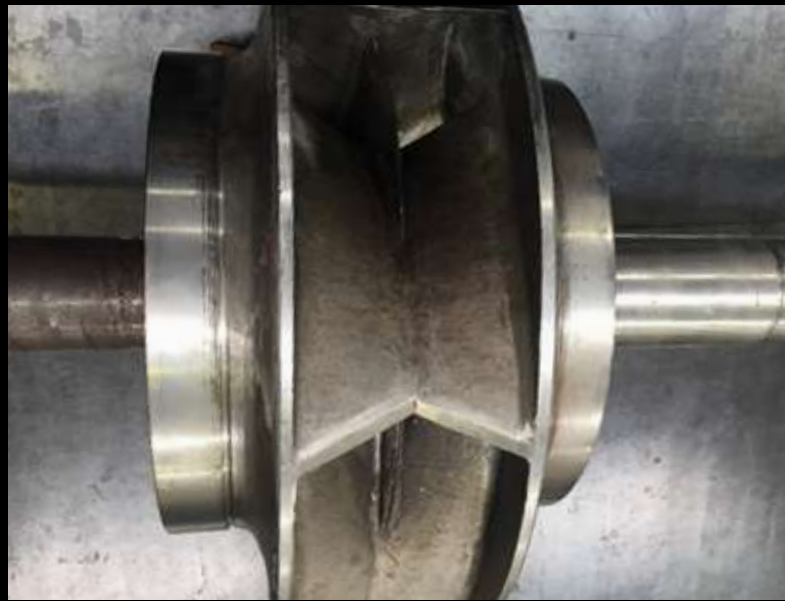


CARTRIDGE

- Reduced installation costs and time
- Easy installation
- Seals are pre-assembled with sleeve and gland in one unit
- No measurements during installation
- Avoid the possibility of axial misplacement and resulting seal performance issues
- Shaft or sleeve is not affected by wear
- Minimum maintenance
- In the long term, cartridge seals are more cost-effective

COMPONENT

- Component seals are best-suited for users who place a higher priority on a lower upfront cost
- Reduced spares costs as the individual components can be stocked



Before



After

ENERGY ENHANCE BLYGOLD COATING TECHNOLOGY

According Hydraulic Institute pumps loses 1% efficiency every year.

By coating your pump we can achieve:

- 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

ENGINEERING COATING

We offer a enhance solution for both new and damaged equipment using superior advance technology combined with anti-corrosion technology to provide sophisticated equipment with corrosion resistance tailored solutions



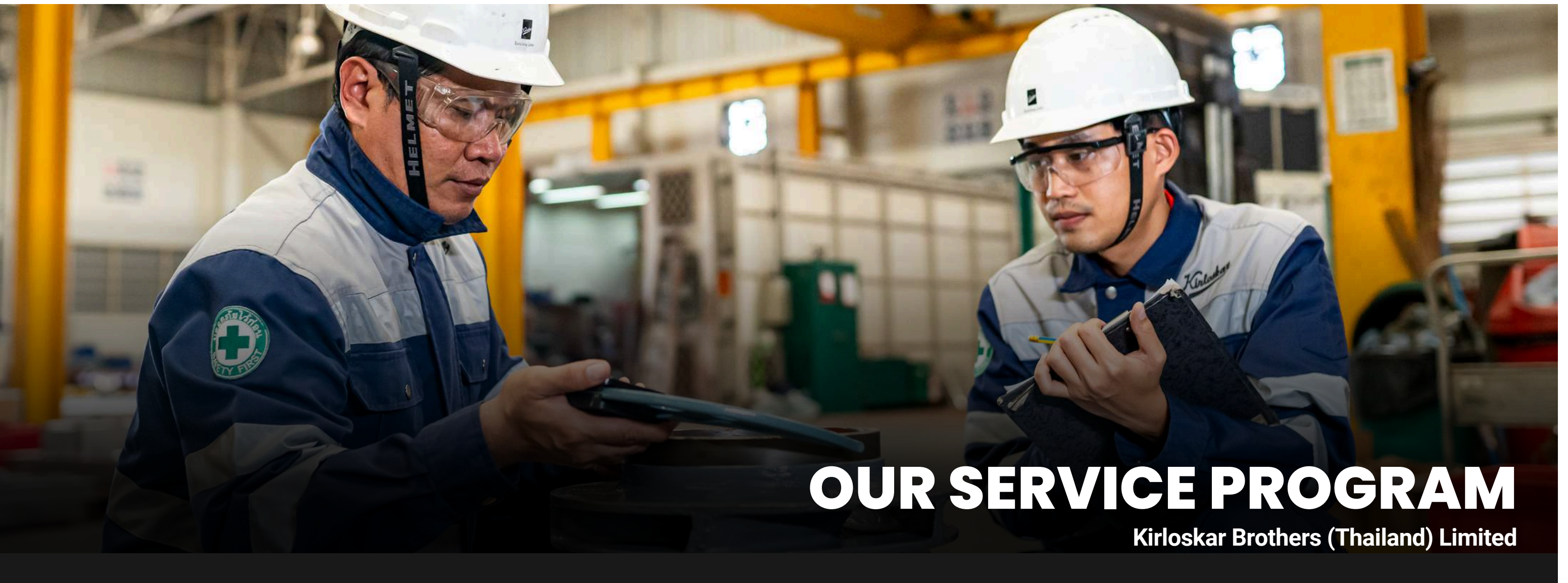
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PUMP PERFORMANCE TEST

Performance testing of the pump at newly built Pump Testing Laboratory of Kirloskar Brothers (Thailand) Limited, Amata Thailand facility. Procedure for performance testing of centrifugal pumps to ensure that the performance & function of the pump will meet the job requirements as per pump data sheet.

- Horizontal Split Case Pump
- Multi- Stage High Pressure Pump
- End Suction Pump
- Engine Driven Fire Pump
- Measure Flow up to 500m³/hr
- Pressure up to 100 bar
- Motor 250 kW



OUR SERVICE PROGRAM

Kirloskar Brothers (Thailand) Limited

IN-HOUSE SERVICE

- Dismantle-Strip Test-Overhauling
- Failure Analysis Report
- MTBF Improvement
- Efficiency Enhance Coating
- Performance test on New Test Bed
- Reverse Engineering-Retro-fitment
- Impeller & Rotor Balancing
- In-House Training

ON SITE SERVICE

- Installation - Erection
- Laser Alignment-Overhauling
- Engine Driven Pump Alignment
- Commissioning-Performance Test
- Trouble Shooting RCA Report
- Fully Equipped Service Van
- Energy Audit on energy efficiency
- Onsite Training

AFTER SALES

- Service Contract - P/Maintenance
- Annual Maintenance Contract
- Conditioning Monitoring System
- Consignment Stock
- IoT implement on Pumps
- IoT Subscription Service
- Spare Parts stock
- Warranty Extension Value added service



END SUCTION PUMPS

- Utility Pumps
- ISO 2858
- ISO 5199
- Thermic Fluid Pumps
- Solid Handling Pumps
- Mixed flow Pumps

END SUCTION PUMPS

Utility Pumps



Delivery size: 32 to 150 mm
Capacity: Up to 550 m³/hr
Head: Up to 100 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10 to 90°C

Application

- Air conditioning
- Clear juice
- Condensate
- Cooling water
- Drinking water/Potable water
- Fire fighting
- Industrial utility water
- Sprinklers
- Swimming pool
- Hot water
- Water supply

Features

- Conforming to EN 733/DIN 24255
- Minimum Efficiency Index MEI ≥ 0.7 for water pumps as per EN 16480
- Back pull-out type design
- Centerline delivery with self-venting design.
- Gland Packed / Mechanical Seal

END SUCTION PUMPS

Utility Pumps



Delivery size: 150 to 300 mm
Capacity: Up to 2100 m³/hr
Head: Up to 42 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10 to 90°C

Application

- Water Supply
- Irrigation
- Water Circulation
- Injection Water Systems
- Fish Farming
- HVAC

Features

- Horizontal Mounting
- Back Pull-out Design
- Gland Packed / Mechanical Seal
- All stainless steel MOC option available

END SUCTION PUMPS

Utility Pumps



Delivery size: 32 to 125 mm
Capacity: Up to 800 m³/hr
Head: Up to 160 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10 to 120°C

Application

- Circulating duties
- Water boosting
- Greenhouse irrigation
- Heating and air conditioning
- Fuel transfer
- Process cooling

Features

- Close coupled pump set. Choice of 190 motor/pump combinations
- Space saving
- Most cost effective solution
- Incorporates mechanical seal to DIN 24960
- Impellers cut to duty
- High interchangeability
- Unique design taper locking system simplifies fitting stub shafts to standard motors
- Stub shafts fit directly onto standard motor shaft – no drilling or priming required
- Back pull-out
- Rotating element can be removed without disturbing pipe work

IN-LINE PUMPS

Utility Inline Pumps



Delivery size: 32 to 250 mm
Capacity: Up to 760 m³/hr
Head: Up to 85 m
Speed: 50 Hz
Temperature: Max 90°C

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

END SUCTION PUMPS

ISO 2858



- Delivery size:** Up to 200 mm
Capacity: Up to 900 m³/hr
Head: Up to 225 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 50° C to +350° C

Application

- Chemical Process Industries, Petro Chemical, Nuclear, Refinery, Paper and Power Plants
- Pump is suitable for handling Corrosive Acids, Alkalies, Salt Solutions, Caustics.
- Hydro Carbons, Oils, Thermic Fluids, Liquified Gases, Condensates, Viscous Liquids

Features

- Confirming to DIN 24256 & ISO 2858
- Back Pull-out Design
- Gland Packed / Mechanical Seal
- Available with heating jacket
- Centerline mounting for high temperature (above 180° C) applications.
- Available in Vertical Execution (VS4/VS5)
- Available with Enclosed and Semi Open Enclosure

END SUCTION PUMPS

ISO 5199



- Delivery size:** Up to 150 mm
Capacity: Up to 500 m³/hr
Head: Upto 150 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 50 up to +350 °C

Application

- Chemical Process
- Petro Chemical
- Nuclear and Refinery
- Paper and Power Plants
- Corrosive Acids
- Alkalies, Salt Solutions and Caustics
- Hydro Carbons
- Oils and Thermic Fluids
- Viscous Liquids

Features

- End-suction back pull out design centrifugal process pump confirming to ISO 2858/DIN EN 22858/ISO 5199
- Centerline mounting for high temperature applications
- Availability of cooling jackets to cool stuffing box for liquids having temperature more than 105° C
- Labyrinth type metallic liquid deflector to protect bearings from ingress of process liquid, dust at non-driving end.

END SUCTION PUMPS

Magnetic Drive, Sealless Pumps



Delivery size:	Up to 100 mm
Capacity:	Up to 300 m ³ /hr
Head:	Up to 150 m
Speed:	50 Hz / 60 Hz
Temperature:	(-) 50° C to +180° C

Application

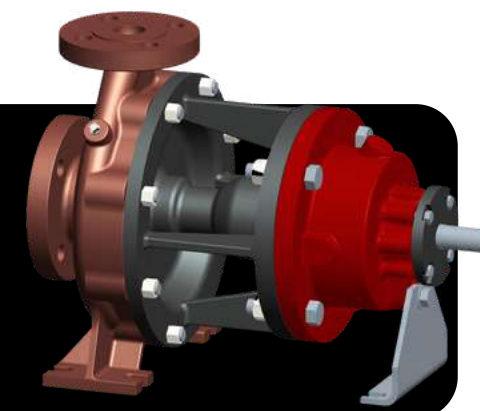
- Clear/Clean Process Liquid applications

Features

- Technically meeting requirement of ISO 5199
- Dimensions according to ISO 2858 / DIN EN 22858
- Zero leakage
- Sealless Design
- One-piece Hastelloy C Can
- Liquid protected Magnets for longer performance
- Lantern Bracket drain connection for Leakage monitor
- Lantern Bracket connection for Liquid / Can temperature monitor (Optional)

END SUCTION PUMPS

Thermic Fluid Pumps



Delivery size:	Up to 80 mm
Capacity:	Up to 250 m ³ /hr
Head:	Up to 100 m
Speed:	50 Hz / 60 Hz
Temperature:	180° C to 350° C

Application

- Thermic Fluid handling
- Hot Oil Transfer
- Synthetic Oil Transfer
- Hot water Supply
- District Heating System
- Mineral Oil Industry
- Various Chemical Industries
- Others viz Rubber, Paper, Plywood, Food, Plastic, Metal, Textile Industries

Features

- Pumps dimensionally conforming to ISO: 22858 / DIN 24256
- Pump with integral foot mounted
- Air-cooled design
- No Separate cooling required for bearings
- Pump with grafoil packing at St. Box cavity
- Mechanical seals are metallic bellow type
- Mechanical seal : Single unbalance
- Interchangeability of components

END SUCTION PUMPS

Solid Handling, Non-clog Pumps



Delivery size: Up to 200 mm
Capacity: Up to 800 m³/hr
Head: Up to 90 m
Speed: Up to 1500 rpm
Temperature: (-) 50° C to +140° C

*Max. permissible solid size up to 105 mm, ~6% consistency

Application

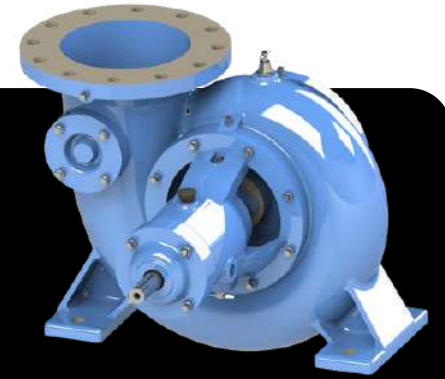
- Sugar Mill, Sewage
- Waste water Treatment Plants
- Industrial Waste
- Industrial Effluent
- Domestic Sludge
- Hospital Sludge
- Paper Mill
- Leather Tanning Waste

Features

- Back pull-out design
- Hot model with St. Box Cooling (Optional)
- High degree of versatility due to provision of five type
- Impellers viz. Enclosed-N,P/Semi-open-Q/Free-flow-R/ QP
- Provision of clearance adjustment externally between Impeller & Wear Plate for SHM-Q Pumps
- Provision of Inspection Hole Cover
- Gland packed / Cartridge type Mech. Seal

END SUCTION PUMPS

Mixed Flow Pumps



Delivery size: Up to 600 mm
Capacity: Up to 7000 m³/hr
Head: Up to 30 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10° C to +120° C

Application

- Pumping drainage water / Storm water
- Supplying water from settling tanks in water works
- Irrigation and agriculture for lift irrigation
- Circulation of hot or cold water in industry
- Air-conditioning plants
- Power stations
- Textile mills
- Aqua Culture

Features

- Suction Nozzle is Axial / End Suction and delivery nozzle is available in 3 different executions :
 - > Vertical Delivery End (Megha) – Standard Supply
 - > Horizontal Delivery End (Mrugha) – Optional
 - > Oblique Delivery End (Trisha) – Optional
- 3 or 4 Vane Semi-open or Enclosed Mixed Type
- Axial Thrust is balanced with balancing holes
- Can handle suspended solids up to 80 mm
- Gland Packing or Mechanical Seal



SPLIT CASE PUMPS

- Split Case Fire Pumps
- Horizontal Split Case Pumps
- Vertical Split Case Pumps

SPLIT CASE PUMPS

Split Case Fire Pumps



Delivery size: 3" to 12"
Capacity: Up to 5000 GPM
Head: Up to 378 psi
Speed: ~ 3550 rpm
Temperature: (-) 10° C to +80° C



Application

- Hydrant systems
- Sprinkler systems

Features

- Design compliant to NFPA 20/ FM & UL
- Bronze wearings
- Special materials for sea water application
- Highly efficient – low operation cost
- Compact size and less floor space
- Low down time – quickly fixable

SPLIT CASE PUMPS

Horizontal Split Case Pumps



Delivery size: Up to 1220 mm
Capacity: Up to 24000 m3/hr
Head: Up to 180 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10° C to 90° C

Application

- Sugar Mill, Sewage
- Waste water Treatment Plants
- Industrial Waste
- Industrial Effluent, Domestic Sludge
- Hospital Sludge
- Paper Mill
- Leather Tanning Waste

Features

- Rugged casing design reduces vibration risk
- Easy of conversion of soft packed version to mechanical seal version by changing few parts at site
- Direction of rotation can be changed without changing any component
- Thru bore design facilitates ease of machining of top & bottom casing
- Lower NPSHR values
- Double suction design eliminates end thrust and reduces bearing loading
- Easy maintenance by removing upper half casing & without disturbing suction & delivery piping

SPLIT CASE PUMPS

Horizontal Split Case Pumps



- Delivery size:** Up to 300 mm
Capacity: Up to 1300 m³/hr
Head: Up to 250 m
Speed: Up to 2900 rpm
Temperature: 8.0° C - 90 ° C

Application

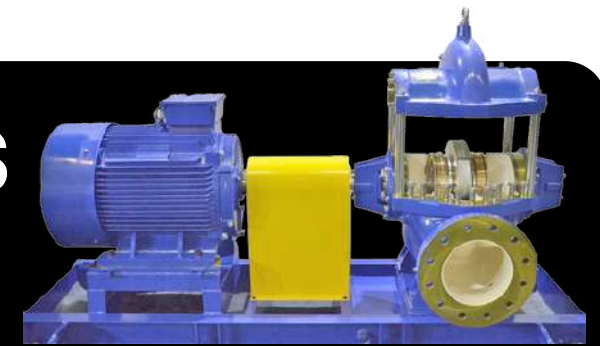
- Primary & secondary HVAC application
 - High pressure boosting system
 - Dewatering in mines
 - Cooling tower
 - Recirculation
 - Industrial utility water application
 - Desalination
 - Water supply
 - Paper plants
 - Steel plants
 - Sugar plants
- (for high pressure injection)

Features

- Highly efficient – low operation cost
- Compact size and less floor space
- Low down time – quickly fixable
- Low prime mover cost
- Lowest pumping – project cost
- Dual drive to reduce downtime

SPLIT CASE PUMPS

Horizontal Split Case Pumps



- Delivery size:** Up to 300 mm
Capacity: Up to 3400 m³/hr
Head: Up to 210 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 10° C to 90° C

Application

- Water Supply
- Drainage & Irrigation
- Water and Effluent Treatment Plant
- Booster Pumping Stations Industrial
- Utility Services
- Cooling Tower Circulation
- Hot/ Cold Water Circulation
- Sea Water Handling
- Reclaim Water Pumping Stations
- Desalination Plants

Features

- Enhanced product life
- Sustained Efficiency - Saving Energy Accelerated capital cost recovery
- Reduced maintenance - Reducing down time Reduced carbon foot print
- Cost effective solution

SPLIT CASE PUMPS

Vertical Split Case Pumps



Capacity: on request
Head: on request
Speed: 50 Hz / 60 Hz

Application

- Sugar Mill, Sewage
- Waste water Treatment Plants
- Industrial Waste
- Industrial Effluent, Domestic Sludge
- Hospital Sludge
- Paper Mill
- Leather Tanning Waste

Features

- Space saving
- Rugged casing design reduces vibration risk
- Easy of conversion of soft packed version to mechanical seal version by changing few parts at site
- Direction of rotation can be changed without changing any component
- Thru bore design facilitates ease of machining of top & bottom casing
- Lower NPSHR values
- Double suction design eliminates end thrust and reduces bearing loading
- Easy maintenance by removing upper half casing & without disturbing suction & delivery piping



VERTICAL PUMPS

- Vertical Sump Pumps
- Vertical Turbine Pumps (Fire)
- Vertical Turbine Pumps

VERTICAL PUMPS

Vertical Turbine Pumps



- Delivery size:** Up to 2200 mm
Capacity: Up to 68400 m³/hr
Head: Up to 560 m
Speed: 50Hz/60Hz
Temperature: Max 60° C

Application

- Lift irrigation (vertical and inclined mounting)
- Water supply
- Circulating water for thermal and nuclear power plants
- Various applications in steel cement industries and refineries
- Handling sea-water on off-shore platforms and dry-docks
- Firefighting
- Flood control
- Condensate extraction

Features

- Above Floor and Below Floor design.
- Hollow Shaft design for Motor / Gear Box & Solid shaft Motor.
- Bowl Pullout and Impeller Pullout design available.
- Pump with Canister design (VS6) available for condensate extraction applications.
- Lubrication type: Self water, Oil Lubrication or External Water Lubrication depending on application.
- Non-Reverse ratchet arrangement to prevent reverse rotation.

VERTICAL PUMPS

Vertical Turbine Pumps (Fire)



- Delivery size:** Up to 400 mm
Capacity: Up to 4500 gpm
Head: Up to 218 psi
Speed: 50Hz/60Hz
Temperature: Max 60° C



Application

- Firefighting & Offshore
- Flood Control
- Dry dock
- Nuclear & Thermal power stations
- Water Supply
- Fertilizer Plants
- Irrigation Schemes
- Sewage Handling
- Condensate Extraction

Features

- Space saving
- Low maintenance costs
- High hydraulic efficiency
- Diffuser bowls ensure balanced axial loading
- Approved to FM and UL standards, all of which are compliant to NFPA 20

VERTICAL PUMPS

Vertical Sump Pumps



Delivery size:	Up to 150 mm
Capacity:	Up to 800 m ³ /hr
Head:	Up to 225 m
Speed:	50Hz/60Hz
Temperature:	Max 150° C

Application

- Chemical process industries
- AgrochMolten Sulphur
- Molten Sulphur
- Power Plants
- Nuclear power plants
- Food processing units
- Fertilizer plants
- Petrochemical plants
- Refinery
- Hydrocarbon, oils
- Water, D.M. Water, Waste water
- Handling corrosive acids & alkalis

Features

- Manufactures std generally conforming to API 610 with deviations
- These are wet pit pumps & used where fluctuation of liquid level is more
- Require very less floor space
- Priming not required
- Support Plate is rectangular. Round support plate optional
- Support Plate can be fabricated with dimensions to suit customer requirement
- 50 Hz / 60 Hz.
- Gland packed/Mech. Seal



MULTISTAGES PUMPS

- Horizontal Multistage Pumps
- Horizontal Multistage, Multioutlet Pumps
- Vertical Multistage Pumps
- Vertical Multistage, In-Line Pumps
- Horizontal Multistage Pumps
- Horizontal Multistage Pumps, Integral Discharge
- Side Channel Pumps

MULTISTAGE PUMPS

Horizontal Multistage Pumps



Delivery size: Up to 250 mm
Capacity: Up to 850 m³/hr
Head: Up to 850 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 30° C to +140° C

Application

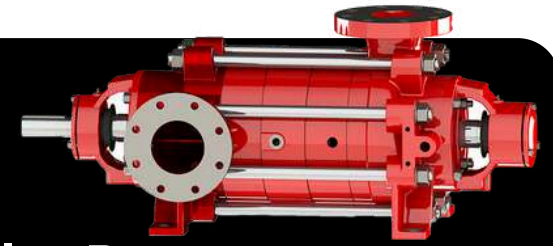
- Sprinkler Irrigation
- Mine Dewatering
- Boiler Feed
- Fire Fighting, Descaling
- Water Supply to high rise building

Features

- Ring section diffuser casings
- St. Box cooling
- Available in vertical configuration
- Available with double suction impeller for first stage
- Hydraulic balancing by balancing holes

MULTISTAGE PUMPS

Horizontal Multistage, Multi-outlet Pumps



Delivery size: Up to 250 mm
Capacity: Up to 850 m³/h
Head: Up to 850 m
Speed: 50 Hz / 60 Hz
Temperature: (-) 30° C to +140° C

Application

- Building Water Supply
- Firefighting System
- Boiler Feed Water
- Water Works
- Water Treatment
- Irrigation System

Features

- RKB for industrial applications
- Mechanical seal or gland packed
- Suction flange oriented left or right
- Vertical mounting
- Low NPSH
- Available as a canned or vertical turbine type arrangements
- Approved to LPCB, FM and/or UL standards, all of which are compliant to NFPA 20
- Multi-outlet feature enables to use the pump for various delivery pressure

MULTISTAGE PUMPS

Vertical Multistage Pumps



Delivery size:	Up to 250 mm
Capacity:	Up to 850 m ³ /hr
Head:	Up to 850 m
Speed:	50 Hz / 60 Hz
Temperature:	(-) 30° C to +140° C

Application

- Sprinkler Irrigation
- Mine Dewatering
- Boiler Feed
- Fire Fighting, Descaling
- Water Supply to high rise building

Features

- Space saving
- Ring section diffuser casings
- St. Box cooling
- Available in vertical configuration
- Available with double suction impeller for first stage
- Hydraulic balancing by balancing holes

MULTISTAGE PUMPS

Side Channel Pumps



Capacity:	0.3 to 35 m ³ /hr
Head:	Up to 350 m
Speed:	50Hz / 60Hz
Temperature:	-40°C to +220 °C
Working Pressure:	40 bar

Application

- Chemical industry
- Installation and apparatus engineering
- Process engineering
- Refrigerating installations

Features

The CF pump is very reliable and easy to maintain. Latter is of great importance for those application fields where high security and constant readiness for service is indispensable. You have for example the possibility to change shaft seals, antifriction-bearings, etc. without removing the pump of the piping system.

MULTISTAGE PUMPS

Horizontal Multistage Pumps



Delivery size:	G1"
Capacity:	1 to 31 m ³ /hr
Head:	Max Pressure 10 bar
Speed:	50 Hz
Temperature:	Max 85°C
Motor:	IE2 motor (IE3 on request)

Application

- 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

MULTISTAGE PUMPS

Horizontal Multistage Pump, Integral Discharge



Delivery size:	G1"
Capacity:	Up to 7 m ³ /hr
Head:	Max Pressure 8 bar
Speed:	50 Hz
Temperature:	Max 60°C
Motor:	IE2 motor (IE3 on request)

Application

- 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

MULTISTAGE PUMPS

Vertical Multistage, In-Line Pumps



- Delivery size:** 25 to 200 mm
Capacity: 0.7 to 200 m³/hr
Head: Max Pressure 33 bar
Speed: 50 Hz / 60 Hz
Temperature: (-) 20°C to + 120 °C

Application

- Jockey pump
- Transfer pump
- Booster pump
- Boiler feed
- Treatment system
- Sprinkler irrigation
- Food & beverage industry
- Ultra-filtration systems, reverse-osmosis systems, distillation systems, separators, swimming pools

BOOSTER PUMP SETS

iBoost Pumps



- Delivery size:** 25 to 200 mm
Capacity: 0.7 to 200 m³/hr
Head: Max Pressure 33 bar
Speed: 50Hz/60Hz
Temperature: (-) 20°C to + 120 °C
Motor: IE2/IE3

Application

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

Features

- SPP iBoost! is designed to work with 2 up to 6 pumps intelligent and energy saving with optimum pump hydro pneumatic pressure booster systems for high rise buildings, commercial complexes, schools and public areas.
- Limited parameters: easy to configure, operational simplicity, limited parameter setting and programmed to work with only pump application.
- Compact design and easy to operate.
- The interface provides easy to use options to configure the system for optimum pump usage.



Interface with 4.3" color LCD Touch screen



SELF-PRIMING PUMPS

SELF-PRIMING PUMPS



Capacity:	Up to 279 m ³ /hr
Head:	Up to 34 m
Speed:	50 Hz/60Hz
Temperature:	Up to 60 °C

Application

- Handling chemicals, effluents, sewage, ash-water.
- De-watering foundation, trenches and pits.
- Flood water handling.
- Pumping water from docks, ports, vessels.
- De-watering from basements, multi-storeys, shopping malls, godowns.
- Cooling water for marine engines and shovels.

SELF-PRIMING PUMPS



Flow:	max. 480 m ³ /h
Head:	max. 480m
Max solid:	76mm
Working pressure:	up to 6 bar
Speed:	max. 3600 rpm
Temperature:	max. 80 °C

Application

- Industrial
- Municipal Water Supply
- Marine and Ship Building
- Waste Water
- Irrigation and Agriculture
- Flood Control



SUBMERSIBLE PUMPS

- Submersible Pumps
- Submersible Sewage Pumps, Enclosed Impeller
- Submersible Sewage Pumps, Semi-Open, Vortex Impeller

SUBMERSIBLE PUMPS

Submersible Pumps



Delivery size:	Up to 300 mm
Capacity:	Up to 1800 m ³ /hr
Head:	Up to 90 m
Speed:	50Hz/60Hz
Max solid:	Up to 300 mm
Temperature:	(-) 10° C to +50° C

Application

- Contaminated Effluents, Industrial wastewater, Storm water, Tunnel water, Saline water, Drainage water, Sewage water, etc.

Features

- Available in portable as well as stationary installation
- Wider areas of volute enables pumping of solids without clogging
- Available with enclosed and semi open type impeller
- Can be offered with cutting & tearing and with cutter fan arrangement
- Control panel is standard scope of supply in which better features are imparted.
- Horizontal submersible pump & dry pit monoblock vertical pump on request
- Bearing temperature detector (optional)
- Moisture sensor to detect water contamination in oil chamber
- Inbuilt thermistors in winding for protection against high temperature

SUBMERSIBLE PUMPS

Submersible Sewage Pumps



Delivery size:	Up to 12"
Capacity:	Up to 1080 m ³ /hr
Head:	Up to 50 m
Speed:	50Hz
Temperature:	Max 40°C
Allowed particle:	20-80 mm

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

SUBMERSIBLE PUMPS



Submersible Sewage Pumps, Semi-Open, Vortex Impeller

Capacity: Up to 300 m³/hr

Head: Up to 50 m

Speed: 50 Hz

Temperature: Max 40°C

Application

- Drainage of waste water from the attenuation tank, purifying tank ,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



VACUUM PUMPS

- Liquid ring vacuum pumps, close coupled design
- Liquid ring vacuum pumps, Two Stage
- Liquid ring Compressors

VACUUM PUMPS

Close coupled design



Delivery size: G1" to DN65
Capacity: Up to 450 m³/hr
Pressure: Up to 1013 mbar
Speed: 50Hz/60Hz

Application

- Distillation
- Degasification
- Filtration
- Drying
- Central vacuum plants
- Extrusion degasification
- Vacuum calibration
- Beverage filling
- Sterilisation

VACUUM PUMPS

With motor carrier design



Delivery size: G1" to DN65
Capacity: Up to 450 m³/hr
Pressure: Up to 1013 mbar
Speed: 50Hz/60Hz

Application

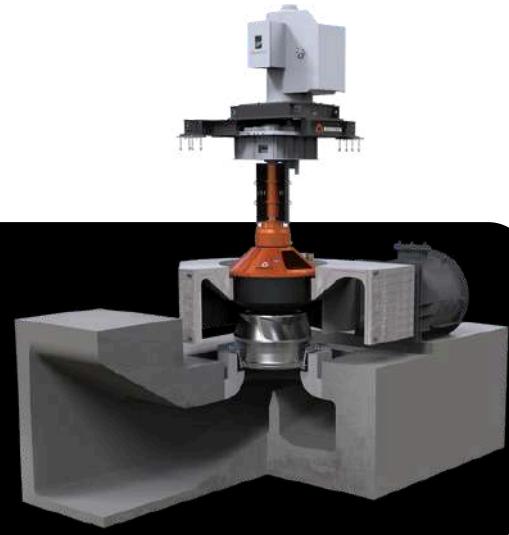
- Distillation
- Degasification
- Filtration
- Drying
- Central vacuum plants
- Extrusion degasification
- Vacuum calibration
- Beverage filling
- Sterilisation



CONCRETE VOLUTE PUMPS

- CVP Pumps
- ACVP Pumps

CONCRETE VOLUTE PUMPS



Capacity: on request
Head: on request
Speed: 50 Hz / 60 Hz

Application

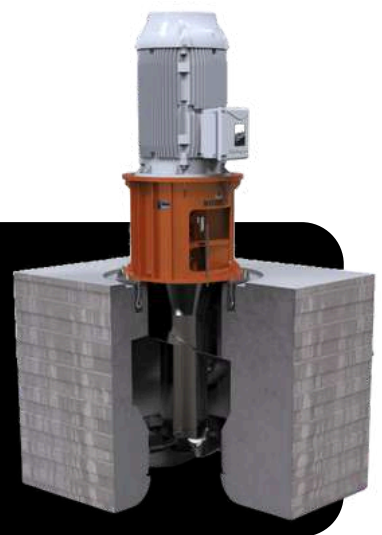
- Flood control
- Drainage- or irrigation pumps
- Intake station drinking water.
- Intake desalination plants
- Cooling water pumps in thermal and nuclear power stations.
- Dry-dock

Features

- Corrosion resistance concrete volute pump casing and few metal parts in contact with pump liquid reducing material cost in corrosive/erosive applications (e.g. seawater)
- Space saving construction (pit depth, hoisting length/building height) compared with vertical turbine pumps
- Less vibration due to robust design with casing of concrete
- Low noise
- Low inspection and maintenance cost
- Fish friendly version available

CONCRETE VOLUTE PUMPS

Axial Concrete Volute Pumps



Capacity: on request
Head: on request
Speed: 50 Hz / 60 Hz

Application

- Flood control
- Drainage- or irrigation pumps

Features

- All electrical, undervoltage parts set up above water level
- ACVP Pump design builds less deep than conventional axial flow pumps (VS3) therefore 30% digging costs can be saved. (Imagine what this means for rocky ground)
- ACVP designed with a low-maintenance vision in mind, especially for the underwater parts.
- Environmentally friendly design with regard to contamination by lubricants. No lubricant can get into surface water.
- Practically no clogging problems due to large volute passage
- Different motor drive versions possible
- The ACVP can also be executed as a turbine. In times of little water the pumps can deliver water. But in times of too much water the same pump can be used as turbine. This way you can recover energy costs during turbine operation.
- This product beneficially contributes the Sustainable Development Goals (SDG's) compared to other similar pump executions.

Icon Siam



BTS Sky train

OUR PRESTIGIOUS CUSTOMERS



Siam Paragon



BAFS Suvarnabhumi Airport

Hotel Marriott Khaolak



EGAT

OUR PRESTIGIOUS CUSTOMERS



PTT Offshore



Harrow school Bangkok

Opera house



Swiss Re



INSTALLED IN MANY ICONIC BUILDINGS AROUND THE WORLD



Hong Kong Macao Bridge



The Marina Bay Sands



Channel Tunnel



Emirates Tower

INSTALLED IN MANY ICONIC BUILDINGS AROUND THE WORLD



Canary Wharf



Heathrow T5

Smart Sustainable
Pumping Solutions



K3TL
KIRLOSKAR BROTHERS (THAILAND) LIMITED
SUSTAINABLE SMART PUMPING SOLUTIONS