

JK **JAY KHODIYAR**
ENGINEERING WORKS

www.jaykhodiyarpumps.com

ABOUT US


Jay Khodiyar Engineering is an eminent name in the several industries for providing utmost quality pumps of varied size and capacities by considering quality as the imperative factor at every stage of production. Our adherence to the quality has rewarded us to chase a top level in a very short period of time and gain the highest level of customer satisfaction.

Jay Khodiyar Engineering is located in Ahmedabad, Gujarat, India instigates its journey in the year of 1995, under the direction of honorable Mr. Devjibhai K.Pitroda with the aim of expanding its business of manufacturing, supplying and exporting pumps in India as well as Overseas by providing exclusive quality of pumps at the best competitive rate in the market.


We define the quality of the pump in terms of a pump that conforms all the international standards, and to achieve so we have a prudent team of engineers who fabricates the pump by utilizing the high graded raw material, procured from an authorized dealer and quality controllers who is well versed in carrying out austere quality inspection all through the production process right from the procurement of raw material to the dispatching. Additionally, have a team of professionals who provides comprehensive support correlated with the product selection, installation, debugging and maintenance.

Our inclusive range of pump encompasses Side suction centrifugal pump, M.S. vertical pump, P.P. vertical pump, Centrifugal pump, Semi open centrifugal pump, Tri port mounted pumps, Priming chamber pump, Rotary gear pumps, all are acknowledged by our esteemed customers for its greater performance and higher safety quotient. In addition to the quality, we ensure:

- To provide prompt delivery of order
- Reliability and safety of the product
- Excellent and prompt after sale service
- To provide cost effective solution
- To Fulfill all the needed regulatory requirements
- To Maintain the consistency of quality
- Round the clock online customer support

 L/601, G.I.D.C. Odhav, Adinath Road, Nr. Old Odhav Police Station, Opp. G.I.D.C. School, Odhav, Ahmedabad-382 415, India.

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SIDE SUCTION CENTRIFUGAL PUMP (EWP SERIES)

APPLICATION


Effluent Treatment Plant, Dyes & Intermediates, Re-Rolling Mills, Petrochemical Industries, Textile Industries, Acid, Dyes, Solvent, Organic/Inorganic Chemical, Volatile Liquids, Corrosive Chemical, Kerosene, Diesel, Phosphates, Nitric, Ammonia, Condensates, Filter Press 24", 36", 48", 60", & All Type Industrial Application.




- CAPACITY : – UP TO 40 m³ / hr
- HEAD :- UP TO 120 mtr
- SIZE :- 25mm to 80mm
- SPEED :- UP TO 3000 R.P.M
- PRESSURE :- UP TO 12Kg. /cm²
- M.O.C. :- C.I, C.S, S.S.304, 316, ALLOY-20, (Other MOC can be Supply on Request)

SPECIAL FEATURES

- W/o. Mechanical Seal Gland Less Design.
- Dynamically Balanced Rotating Parts.
- Non Clogging Semi Open Impeller to Handled Solids.
- Easy Maintenance & Spares Availability

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VERTICAL SUBMERGED PROCESS PUMP (JKVP SERIES)

Jay Khodiyar Engineering Works is a leading manufacturer of JKVP Series – Known as Vertical Sump Pump or Long Shaft Pump.

We manufactured vertical pumps for the applications with low net positive suction head, cryogenic temperatures where vertical lift is required and in also in sump and cooling water services.

Our vertical pumps is specially designed for service in water, chemicals, sewage and slurries. Vertical pumps are cover a wide range of hydraulic condition to meet virtually every pumping service in the industry and optimum efficiency.


VERTICAL PUMPS ARE USED IN FOLLOWING APPLICATIONS AND INDUSTRIES:

- Chemical plants
- Water treatment plant
- Utility circulating water
- Seawater and raw water intake
- Sewage and Slurries in many more industries and applications


SALIENT FEATURES:

- High head per stage
- High capacity
- Low maintenance
- Robust Design
- Highly reliable
- Long Life



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SEMI OPEN CENTRIFUGAL PUMP (JKSCP SERIES)

APPLICATION

- Maximum Interchangeability, Gives Minimum Spare parts Inventory.
- Greater Quality Control and Accuracy in Production Of Every pump With the Modern Machining Operations.
- Back Pull – Out Design, permits Quick Inspection or Repairs Of Rotating Elements Without Disturbing Electrical and Piping Connections Resulting in Minimum Down – Time
- Hydraulic Performance Maintained by Simple External Axial Adjustment Of Impeller Wear. Exclusive Balanced Thrust.
- Standard Dimensions, Cut Layout design Cost.
- Standard Foundation Save Installation and Drawing Time, Talent and Money.
- Fully Open Impeller With Back pumps – Out vanes Reduces Stuffing Box Pressure and prevents Entrance Of Solids and Meets Low NPSH Requirement.

SPECIFICATION

Shown below are the Constant dimensions that apply to Jay Khodiyar type – JKSCP, Standardized Chemical Pumps. Jay Khodiyar Key Factor Of Design is the Pump Standardization Which leads to Maximum dimensional Interchangeability and Flexibility Benefiting the Ultimate User.

One Length For All Sizes (Refer GAD)	445mm.
One Coupling bore For All Size	22mm.
One Bolt Size For Holding Pumps to base	M-12.
One Bolt Spacing For Holding All Pumps	185mm.
One Spacer Coupling Length For all Sizes	100mm.



CLOSED IMPELLER CENTRIFUGAL PUMP (JKCIP SERIES)

Jay Khodiyar Pumps now introduces ISO 2858/5199 Pumps to tackle majorly all kinds of Chemical Industries of India. They offer these pumps in various Materials of Construction with Closed Impellers as the construction of the pump for all Clear liquid handling in the Chemical Industries.

All the Pump Dimensions are according to ISO 28588 Pump Standard and ISO 5199 as the Pump Testing Standards. These Pumps are much more efficient pumps and much better in terms of Hydraulics. These pumps are widely used in majorly all various kinds of Chemical applications.

Jay Khodiyar offers these pumps with the most superior Casting qualities and at a much faster rate to deliver it to the customer in time. Pumps with the above standard are all Grease Lubricated to have a much better life for the Bearings hence reducing the sound and vibrations in the Pumps. These pumps can fit various kinds of mechanical seals and all the known makes can be provided while supply of an Jay Khodiyar Pump.


These pumps are maintenance free pumps due to its intrinsic designs and hydraulics and with the introduction of wear rings the life of the pump is improved as the pump wear and tear is taken care of by the replacement of wear rings. Jay Khodiyar can offer these pumps with various kinds of wear rings depending on the process liquids to serve its customers in a much better and efficient way providing them a pump which is free in maintenance.




APPLICATION

- The Jay Khodiyar Close Impeller Centrifugal pump is recommended for handling chemical products,
- aggressive organic and inorganic liquids, oil, water, condensate and other liquids mainly used in following applications:-

- Chemical and Petrochemical
- Sugar and alcohol industry
- Boiler feed
- circuits in refineries
- circuits in the industry (Paper, - Food, Synthetic fibers, Other)
- Water supply
- Irrigation
- Air conditioning
- Fire-fighting
- Drainage

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CHEMICAL PROCESS PUMP (JKCP SERIES)

MATERIAL OF CONSTRUCTION:

- Graded Grey Cast Iron
- Carbon Steel (WCB)
- Alloy Steel
- CF8
- CF8M
- CF3
- CF3M(SS-316l)
- Alloy 20
- CD4MCU
- Nickle & Ni-Alloys
- Ni-Resist
- 2-Inicl
- R55
- Hastelloy- B/C

APPLICATION

- Chemical Process Industries
- Organic & Inorganic Liquids Refineries
- Fertilizer Plants
- Dyes & Intermediates
- Bulk Drugs and Pharmaceutical
- Effluent Treatment Plants
- Heating and Air Conditioning Plants
- Cooling Towers
- Sugar Plant
- Fire Fighting
- Water Supply
- Power, Steel
- Pulp and Paper
- Volatile Liquids
- Cement
- Thermic Fluid
- Agriculture Textile
- Jet Dyeing
- Oil Extraction and Waste Oil Refineries



OPTIONAL ACCESSORIES

M.S. Fabricated Base Frame / Flexible Coupling / Coupling
Guard / Foundation Bolt.

GENERAL:

- “Jay Khodiyar ” Centrifugal Process Pumps” in back pull-out construction
- Horizontal
- Foot mounted
- Single stage
- End suction and Top centerline discharge confirming to DIN 24256/ISO 2858 standards and in General confirming to API 610 as well.

OPERATING RANGE:

- Capacity – Q- Up To 1100 M3/Hr.
- TDH H – Up To 150 Mtr.
- Pump Sizes – DN 25 mm to 300 mm.
- Speed – N – 960/1450/2900rpm at 50 Hz & 1150 / 1750 / 3500 rpm at 60Hz
- Temperature 350 C



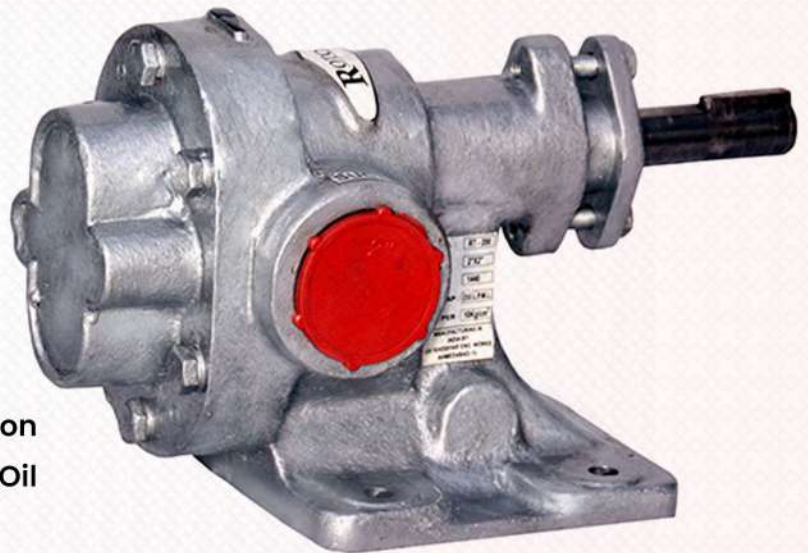
ROTARY GEAR PUMP (RT SERIES)

APPLICATION

Rototek Rotary Gear Pumps are useful For handling Viscouse liquids I.E. all kind of Oils, Viscouse Chemicals, and Food application.

FOLLOWING LIQUID CAN BE HANDLE WITH THEM

- All Kind of mineral oils
- All kind of vegetables oils
- Coal tar, Bitumen, asphalts
- paints & varnish
- All Kind of Fish & animal oils
- Glycerine & Glycole
- Soap Solutions & Iard
- Glue
- Viscouse Chemicals
- Rotary Gear Pumps Finds Wide application in power Plant, Steel Mills, Refineries, Oil Storage Instolations etc.



FEATURES:

- Compact in size
- Low Noise
- High Efficiency
- Easy to maintain
- Low Cost

AIR COOL

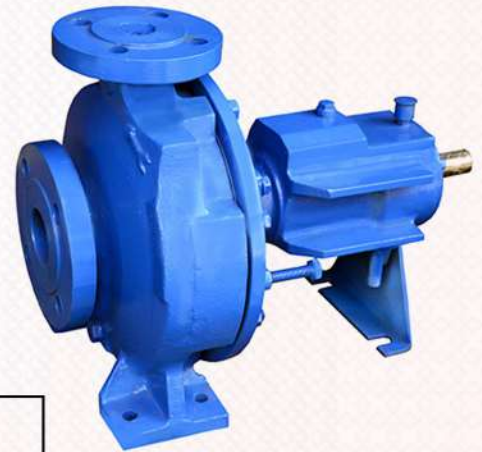
Jay Khodiyar Eng. Works has manufactured heavy-duty Air Cooled Pumps for high-temperature applications. It is cost-effective with specially designed fins for natural convection.

To drop the pressure on the sealing and to balance axial thrust, the impellers have back radial blades. There is a thermal resistant soft packing seal behind the impeller. It slows down the leakage and prevents the pumping to be stopped if there is mechanical seal damage.

Air cooled pump designed by Jay Khodiyar Eng. Works represent the highest quality and most effective air cooled industrial pump in the market.

SALIENT FEATURES:

- Closed impeller is hydraulically thrust compensated and dynamically balanced.
- Maintenance is very much easier
- Maximum interchangeability of components
- No need to cool the pump externally
- The shaft is designed according to the minimum heat transfer criteria.




Operating Range	
Capacity	up to 360 m ³ /hr
Head	up to 100 Meter
Pressure	up to 10 kg/cm ²
Size	32 mm to 125 mm
Speed	up to 3500 rpm
Temp	up to 350 C
M.O.C.	Grey Cast Iron, Cast Steel, Alloy Cast Steel, S.S 304, S.S 316 etc.



APPLICATION:


- Thermic Fluid handling
- Hot Oil Transfer
- Edible oil Applications
- Plastic Industry
- Synthetic Oil Transfer
- Baking and heating applications
- Paper Industry
- District Heating System
- Mineral Oil Industry
- Various Chemical Industries
- Textile Industry
- Food and drug industry
- Sugar Industries
- Pharmaceutical Industries

TECHNICAL SPECIFICATION:

Type: End-Suction, Horizontal, Single Stage, Air Cooled Pump – Thermic fluid pump.

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MUD PUMP

Mud Pumps is a very important part of the oil well drilling equipment that is used. It is a large reciprocating pump which is used to circulate the mud which is the drilling fluid on a drilling rig. We are provides with a broad range of mud-pumping systems which are well equipped to meet the needs and demands of its customers. The company constantly comes up with improvements and new ideas to move ahead with innovation and cutting edge design. We are the Mud Pump Suppliers who supply the mud pumps of highest quality to circulate the semi-solid or the fluid without any hassles during its operation.

APPLICATION:

- Water Transfer
- Chemical Transfer
- ETP Water
- Filter Press
- Rain Water
- Cooling Water
- Petrol, Kerosene, and Other Solvents.

RANGE :

- Capacity: 75 m³ / hr.
- Head: up to 35 mtrs.
- Suction Head: up to 7.5 mtr.
- Material: CI, Bronze, Gun Metal, Stainless
- Steel and Other Alloys.
- Solid Hand Size: up to 25mm
- Viscosity: up to 100 mm² / sec.

SALIENT FEATURES:

- Head : Up to 35 Mtr.
- Flow : Up to 75m³/hr.
- Sealing : Soft Gland and Mechanical Seal.
- Required Suction : Negative or Positive
- Maintenance : Low maintenance
- Service : Easy
- M.O.C.: C.I., SS 304, SS 316, Gun Metal and other alloy.



PP PUMP

APPLICATION:

This series is excellently suited to pumping tasks in the chemical industry, electroplating plants, metallurgical industries, steel and stainless steel pickling lines, evaporation and regeneration units, wet flue gas cleaning systems downstream of waste incinerators as well as in exhaust air scrubbing and industrial waste water treatment.

PERFORMANCE DATA

- Pump capacity: up to 280 m³/h
- Total differential head: up to 60 m
- Operating temperature [t]: -20°C up to +110 °C

SEALING SYSTEMS:

PTFE BELLOW

PTFE bellows provide universal chemical resistance for a wide range of services & non-wetted metal parts eliminate the need for expensive metallurgies. TB/TBR seal is inherently hydraulically balanced to ensure proper face loading. Installs easily on outside of stuffing box; eliminates the use of elastomers.

GLAND PACKING

Gland packing pumps come with pure PTFE or PTFE Impregnated Blue Asbestos against specific customer requirements

*Standard Pump fitted with GFT/CER Teflon Bellow Mechanical Seal.

SHAFT SLEEVE:

Shaft Sleeve of different material depending on the compatibility of the liquid to be handled

*Standard Pump fitted with Ceramic Sleeve.

MATERIAL

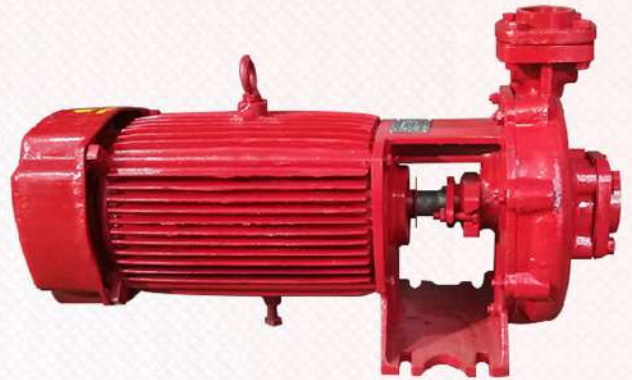
- The chemical pumps are available in PP.
- PVDF Impeller is available for high temperature & aggressive acids.



MONOBLOCK PUMP

TECHNICAL SPECIFICATION

- Head : upto 85 mtr
- Capacity : Up to 263 m³/hr
- Discharge Size : 25 mm to 100 mm
- Power Rating : 1.0 HP to 20 HP Three phase
- 0.5 HP to 2.0 HP â€” Single phase
- HP: upto 40 HP
- Speed : Upto 2880/1450 RPM
- M.O.C. : C.I., CS, SS-304, SS 316, Bronze, etc.



MATERIAL OF CONSTRUCTION

- Impeller : CI IS 210 FG 200 Bronze/SS410/304/316
- Delivery Casing :CI IS 210 FG 200
- Motor Body :CI IS 210 FG 200
- Shaft :Carbon Steel C40 SS410/304/316
- Shaft Sleeve:ss 410 Bronze (LTB2)
- Protection :IP 44 IP 55
- Sealing :Gland Packed Mechanical Seat



APPLICATION

- Any Industrial Clear water handling of high pressure
- Colling Towers,Refrigeration & Air Conditioning
- Boosting Pump in fire Fighting System.

SS ROTARY GEAR PUMP

Jay Khodiyar Engineering Works is a large-scale manufacturer and exporter of SS Gear pumps putting all its effort for meeting the diversified need of clients since 1995. The Stainless Steel Gear Pump gained the highest popularity because of its optimal utility in chemical plants. The materials used for producing these SS Gear Pumps are of high quality, resulting in providing the corrosion resistance, long life etc. Of the product. The Stainless Steel Gear Pump can be maintained easily, no lubrication required and easily cleanable. The pump is being used for transferring corrosive, hygienic and viscous liquids. Perfect solution for corrosive, hygienic and viscous liquids for transferring applications. Material of construction: gears, shaft and body- SS 316 with DU Teflon bushes

FEATURES

- Size: ¼" to 2.5" BSP screw connection ports
- Capacity: 8 LPM to 300 LPM 2
- Max working pressure: 11 kg/cm
- Gears: Spur or helical gearing arrangement
- Seal: Teflon Gland pack or TC mechanical seal
- Rotation: clock-wise and anti clock-wise
- Material of construction: gears, shaft, and body- SS 316 with DU Teflon bushes



TECHNICAL SPECIFICATION

- Shaft is Teflon coated DU bushes which are self-lubricating
- Available types are flange and foot mounting
- Can operational up to maximum pressure of 11 kg/cm

APPLICATION

SS Gear Pumps are highly utilized in:

- Food and Beverages industries
- Pharmaceutical Industries
- Chemical industries



SUBMERSIBLE PORTABLE SEWAGE PUMP

TECHNICAL SPECIFICATION

- Capacity : Up to 132 m³hr
- Head : upto 70 mtr
- Temperature : 45°C
- HP : upto 20 HP
- RPM Up to 2880
- Delivery Size : 32 mm to 100 mm
- Solid Size : 50 mm
- Connection : DOL
- Voltage & Phase : 415 V , 3 Phase / 215 V, 1 Phase Up to 3 HP
- M.O.C. : C.I, C.S.

MATERIAL OF CONSTRUCTION

- Motor Body: S.S.202
- Pump Casing: C.I. IS 210 FG260
- Shaft: S.S.410
- Impeller: C.I. IS 210 FG260
- Stainer : S.S.202
- Fasteners: S.S.202
- Cable: PVC Insulated Copper Conductor Flexible Cable
- Mechanical Seal: TC Vs. TC OR SIC Vs. SIC


APPLICATION

- Suitable for handling screened sewage
- Removal of Kitchen Waste
- Cleaning of Manholes/Trenches
- Removes all sorts of industrial waste








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