



GRW PUMPS PVT.LTD.

An ISO 9001 : 2015 and ISO 14001 : 2004 Certified Company



GRW PUMPS
WEST BENGAL, INDIA.

Worthy of Industries' Trust



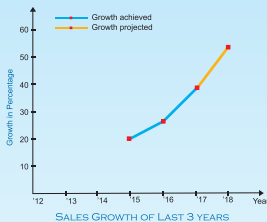
ABOUT US:

GRW PUMPS Pvt. Ltd. is founded by Mr. Utpal Purkait, a man of enthusiasm, having wide experience of 25 years in pump business and rocking confidence to innovate & produce quality industrial pumps at cost effective price, successfully.

Established in 2012 with a modern manufacturing unit at Domjur, West Bengal and adorable workforce of dedicated engineers, skilled workers, efficient marketing & servicing people. GRW PUMPS has grown manifolds within a short period of time to produce and cater pumps for various industries and other sectors in India and Abroad. The Company has devoted considerable efforts and resources in technological improvements to develop specialty pumps & customize every pump to get optimum performance to meet the clients' varied and specific requirements.

With perfect quality control system GRW PUMPS has been certified with various International standardisation like ISO 9001 : 2015, environment management certification of ISO 14001 : 2004 etc. Today the products of GRW PUMPS are sold on a Pan-India basis and in several countries around the world. The organization is flourishing with regular repeat orders for its quality & performance from different Industries.

Looking forward to the future our eternal pursuit is to satisfy customers through our all round capabilities and to build a brand "worthy of your trust".



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OUR VISION :

To make energy efficient true value pumps of any specification of international quality and deliver to industries in India and Abroad from our own state of the art factory and become a most competent organization.

OUR MISSION :

► Our motto is to satisfy our esteemed customers with clear advice, quality engineering products as promised which are energy efficient and cost effective.

► We assure on time delivery & quick and proper after sales services of all our products.

► Advanced Technology such as CADD and CED etc. software are used in designing by our experienced design engineers.

► GRW PUMPS takes pride in being the manufacturer of some of the country's most sophisticated and specialized pumps for various core industry applications like Power generation, Steel production, Oil refinery, Public health & drinking water, Cement Industry, Food processing, Mines & Washeries, Irrigation, Waste Management system etc.

► The company boasts of complete set of precision testing and inspection equipment with stringent quality control activities.

► Presently we are manufacturing up to 6000 m³/hr flow capacity range of pumps.

► With continuous up-gradation of our quality infrastructural development & increased production capacity, we've started engineering and R & D activities to manufacture pumps having discharge range up to 10000 m³/hr in near future.

► The company also has expertise in the development of import substitution of items of larger sizes from drawing development to fitment stage.

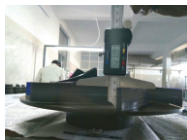
► Retro fitment of pumps is also done by the company. We have successfully executed and commissioned reclamation jobs of C.W. Pumps of 30000 m³/hr flow at NTPC, FSTPP, Farakka Stage - 1 and 6200 m³/hr flow INGERSOLL - RAND pumps at Bandel Thermal Power Plant both of which are running successfully with utmost customer satisfaction, Based on this success we have also bagged several orders from various esteemed organisation like. VISA STEEL LTD (70 MW CPP) Capacity 6700 m³/hr, WBPDC - KTPS, CESC etc.

► In a short span of time the company has sold more than 4000 pumps for various applications throughout India & abroad.

► Our Pan-India based increasing dealer network interacts very closely with the buyers from every corner of the country.

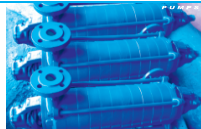
► From the very beginning the company is associated with many CSR programs towards social development at the factory location.



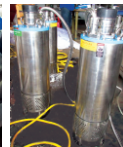
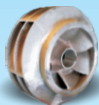


OUR
PEOPLE
OUR
STRENGTH





OUR
PRODUCT
OUR
QUALITY



SERIES GHS

HORIZONTAL AXIALLY SPLIT CASE PUMPS

OPERATING DATA

Capacity	up to 10,000 m ³ /hr
Head	up to 200 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

CI/ 2% NICKI/ CS/ SS-304/
SS-316/ Bronze/
CA6NM etc.



CONSTRUCTIONAL FEATURES

- Closed, Semi-open type Impeller
- Both Horizontal & Vertical execution
- Bush Bearing arrangement (optional)
- Mechanical Seal / Gland Packing

APPLICATION

Water supply, Irrigation, Fire fighting, Mine dewatering, Steel plant, Power plant, Cooling tower, Various uses in Sugar, Paper, Petrochemical, Textile, Cement & other Plants.

SERIES GFF

FIRE FIGHTING PUMPS

OPERATING DATA

Capacity	up to 2000 m ³ /hr
Head	up to 150 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

CI/ 2% NICKI/ CS/ SS-304/
SS-316/ Bronze/
CA6NM etc.



CONSTRUCTIONAL FEATURES

- Axially/ Radially Split casing design
- Single/ Multistage
- Closed, Semi-open type Impeller
- Mechanical Seal / Gland Packing

APPLICATION

Fire fighting System.

SERIES GES

END SUCTION BACK PULLOUT PUMPS

OPERATING DATA

Capacity	up to 1000 m ³ /hr
Head	up to 150 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

CI/ 2% NICKI/ CS/ SS-304/
SS-316/ Bronze/
CA6NM etc.



CONSTRUCTIONAL FEATURES

- Radially Split casing design
- Closed, Semi-open or Open type Impeller
- ISO 2858
- Grease Lubrication/Oil Lubrication
- Mechanical Seal / Gland Packing

APPLICATION

Water supply, Sprinkler system, Fire fighting, Air conditioning, Steel plant, Power station, Cooling tower, Boiler filling, & Various uses in Sugar, Paper, Petrochemical, Textile, Cement Plants & General purposes.

SERIES GRVT

VERTICAL TURBINE PUMPS

OPERATING DATA

Capacity	up to 10,000 m ³ /hr
Head	up to 300 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

CI/ Bronze/ CS/ SS-316/ 2% NICKI/
SS-316L/ CA6NM etc.



CONSTRUCTIONAL FEATURES

- Inline with Customer's requirement, pumps are manufactured with turbine/axial flow/ mixed flow/ propeller design
- Both Vertical hollow shaft/ solid shaft design
- Diesel engine driven with gear box arrangement (optional)
- Transmission bearings with cutless bearing design having outer shell of SS or brass and inner shell with natural rubber/synthetic rubber/elastomers
- Provision of oil lubrication for handling contaminated liquid
- Provision for external clear water lubrication
- Delivery of liquid through column pipe to discharge pipe located above or below ground level.

APPLICATION

Urban & rural water supply, Irrigation, Fire fighting, Condensate extraction, Mine Dewatering, Intake well, Pipeline boosting, Various applications in Power plants, Steel plants, Refineries, Cement and other industries.

SERIES GCP PROCESS PUMPS

OPERATING DATA

Capacity	up to 750 m ³ /hr
Head	up to 140 mtrs.
Speed	up to 3000 rpm
Temperature	up to 300 ^o C

MATERIALS COMBINATION

SS-304/ SS-304L/ SS-316/
SS-316L/ Bronze/
Alloy 20 etc.



CONSTRUCTIONAL FEATURES

- Low NPSHR
- Both Oil & Grease Lubrication
- Closed/Semi-open/Open type Impeller
- Mechanical Seal
- Centreline mounting (optional)

APPLICATION

Chemical industries, Petrochemical industries, Refineries, Paper plants, Steel plants, Power plant, Water/ Effluent & Sewage treatment plants, DM plants etc.

SERIES GMS HORIZONTAL MULTISTAGE PUMPS

OPERATING DATA

Capacity	up to 500 m ³ /hr
Head	up to 400 mtrs.
Speed	up to 3000 rpm
Temperature	up to 150 ^o C

MATERIALS COMBINATION

Cl/ 2% NiCl/ CS/ SS-304/
SS-316/ Bronze etc.



CONSTRUCTIONAL FEATURES

- Radially Split ring section type
- Mechanical Seal / Gland Packing

APPLICATION

Water works, Irrigation, Sprinkler installation, Mine dewatering, Boiler feed application, Hill area water supply, Fire fighting, Condensate extraction, Generation of high pressure water used in hydraulic press, Descaling plants etc.

SERIES GNC HORIZONTAL NON-CLOG/ SEWAGE PUMPS

OPERATING DATA

Capacity	up to 600 m ³ /hr
Head	up to 60 mtrs.
Speed	up to 1500 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

Cl/ 2% NiCl/ CS/ SS/
Bronze etc.



CONSTRUCTIONAL FEATURES

- Open/ Semi-open Impeller
- Delivery nozzle to rotate as per customer's need
- Horizontal
- Gland Packing

APPLICATION

Municipal sewage station, Industrial waste water, Chemical contaminated effluents, Thermal power plants, Liquid with solid in suspension, Mine & muddy water transfer, Trade liquors, Pumping stations, Underpasses, Lifting stations, Sewage works, River pollution cleaning etc.

SERIES GMF HORIZONTAL MIXED FLOW PUMPS

OPERATING DATA

Capacity	up to 4000 m ³ /hr
Head	up to 50 mtrs.
Speed	up to 1500 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

Cl/ 2% NiCl/ Bronze etc.



CONSTRUCTIONAL FEATURES

- Low NPSHR
- Back Pullout design
- Closed/ open type Impeller
- Steady flow & high efficiency

APPLICATION

Water supply, Municipal sewage station, River water inclination, Power plant, Water/ Effluent treatment & Sewage treatment plants, Barge pump station.

SERIES GSL HORIZONTAL SLURRY PUMPS

OPERATING DATA

Capacity	up to 1000 m ³ /hr
Head	up to 40 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80 ^o C

MATERIALS COMBINATION

NI- HARD/High Cr. Alloy Cl



CONSTRUCTIONAL FEATURES

- End suction top discharge back pullout design
- Front pullout design (optional)
- Expeller ring type design
- Adjustment of impeller on front and back side
- Twin Casing Design (optional).

APPLICATION

Mining & mineral processing, Highly abrasive slurries, Dredging & Trailings, Cyclone feed, Industrial processing, Coal & Power plant ash handling, Pulp & paper/ Lime slurry/ Alumina/Fertilizer/ Magnetic pulp/ Ferro silicon pulp/ Sand & gravel water mixtures etc.

SERIES GMB

HORIZONTAL MONOBLOCK PUMPS

OPERATING DATA

Capacity	up to 130 m ³ /hr
Head	up to 70 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C

MATERIALS COMBINATION

CI/ Bronze/ SS etc.



CONSTRUCTIONAL FEATURES

→ Mechanical Seal.

APPLICATION

Water circulation in cooling tower, Office & shopping complex cooling system, Construction sites, Hotels, Dairies, Hospitals, High rise buildings, Agricultural, Industrial applications.

SERIES GSP

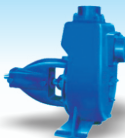
HORIZONTAL SELF-PRIMING NON-CLOG PUMPS

OPERATING DATA

Capacity	up to 300 m ³ /hr
Head	up to 35 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C

MATERIALS COMBINATION

CI/2% NICI/ SS/
Bronze etc.



CONSTRUCTIONAL FEATURES

- End suction, Single stage design
- Engine driven (optional)
- Mechanical Seal (optional).

APPLICATION

Municipal services, Construction sites, Handling ash water, Tiles, Marbles, Filter press etc., Civil construction, Public utilities in sewage pumping, Marine in pumping water from docks, ports, vessels, Mobile machinery in cooling water for marine engine & solvents and Various industries in Effluent plants.

SERIES GVIL

VERTICAL INLINE MULTISTAGE PUMPS

OPERATING DATA

Capacity	up to 60 m ³ /hr
Head	up to 200 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C

MATERIALS COMBINATION

CI/SS-304/SS-316L etc.



CONSTRUCTIONAL FEATURES

- Vertical Single impeller multistage ring section design
- with inline suction & delivery
- Inbuilt type motor having IE2/ IE3 features
- Mechanical Seal design
- Min. floor space with minimum foundation cost

APPLICATION

Water supply, Sprinkler system, Fire fighting, Irrigation, Pressure boosting duties for warm, hot & cooling water re-circulation and condensate transport, Boiler feed circuits, Washing plants, Filter system, Domestic water supply system.

SERIES GVSP

VERTICAL SUMP PUMPS

OPERATING DATA

Capacity	up to 250 m ³ /hr
Head	up to 40 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C

MATERIALS COMBINATION

CI/ CS/ Alloy steel/ CFB/ CF8M/
NI-HARD/ Rubber line etc.



CONSTRUCTIONAL FEATURES

- Shaft Sealing with Gland Packing or Mechanical Seal
- Pump Setting depth upto 5 mtr.
- Special bearing support and lubrication arrangement

APPLICATION

Effluent treatment plants, Sewage Pumping stations, Handling of raw & unscreened sewage in chemical plants, Industrial waste water, Contaminated effluents, Rain & Turbid water from trench/ tunnel/ pit etc.

SERIES GDWS

DEWATERING SUBMERSIBLE PUMPS

OPERATING DATA

Capacity	up to 1000 m ³ /hr
Head	up to 150 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C
Solid sizes	up to 50mm

MATERIALS COMBINATION

Alluminium alloy/ CI/ CS/ SS/
Bronze etc.



CONSTRUCTIONAL FEATURES

- Both Single phase & Three phase (up to limited flow),
- Float arrangement and Agitator arrangement (optional),
- Provision for seal protection, winding protection, Bearing protection and Moisture sensor protection (optional),
- Auto-coupling arrangement & Cutter arrangement

APPLICATION

Water dewatering at construction site/ residential & commercial basement, Underground utilities, Mining, Quarries, Tunneling, Flood relief, Dry dock/ off shore, Power/ Steel plant, Removal of kitchen waste, Cleaning of manholes/ trenches, Removes all sorts of industrial waste, pumping from lower tank to upper tank.

SERIES GSS

SEWAGE SUBMERSIBLE SLUDGE PUMPS

OPERATING DATA

Capacity	up to 1000 m ³ /hr
Head	up to 50 mtrs.
Speed	up to 3000 rpm
Temperature	up to 50° C
Solid sizes	up to 100 mm

MATERIALS COMBINATION

Cl/ CS/ SS/ NI-HARD



CONSTRUCTIONAL FEATURES

- Impeller type of vortex, Grinder, Semi-open/ open channel
- Provision for Agitator (optional)
- Fixed/ guide rail type installation (optional)
- Thermal motor protection, Moisture detection
- Provision for seal protection, winding protection, Bearing protection and Moisture sensor protection optional,

APPLICATION

Sewage system, Flood & Pollution control, Industrial effluent, Waste water treatment plants, Municipal sewage pumping stations, Transfer water/ slurries with abrasive solids, Steel & Cement industries, Mine & muddy water transfer.

SERIES GBS

VERTICAL BOREWELL SUBMERSIBLE PUMPS

OPERATING DATA

Capacity	up to 400 m ³ /hr
Head	up to 300 mtrs.
Speed	up to 3000 rpm
Temperature	up to 50° C

MATERIALS COMBINATION

Cl/ SS/ Bronze etc.



CONSTRUCTIONAL FEATURES

- Pump can withstand voltage variation between +10-15% volt
- 550 volt can be provided

APPLICATION

Drinking water supply, Industrial water supply, Irrigation, Farm house, General water supply etc.

SERIES GOS

OPENWELL SUBMERSIBLE PUMPS

OPERATING DATA

Capacity	up to 300 m ³ /hr
Head	up to 200 mtrs.
Speed	up to 2900 rpm
Temperature	up to 50° C
Supply Voltage	415 V, 50 Hz

MATERIALS COMBINATION

Casing/Impeller/Motor Body: Cast Iron, Shaft : SS-410, Oil Seal: Rubber, Bush : Gun Metal, Thrust Bearing : SS/ Carbon, Rotor : Copper Rotor



CONSTRUCTIONAL FEATURES

- Wet type water lubricated & coated bearings and PVC insulated
- Can operate up to 15 starts per hour
- Pump can withstand voltage variation between +6% and -15%
- Rotor & Impellers are dynamically balanced for long life
- Both Single phase & Three phase

APPLICATION

Water pumping from wells, sumps, ponds, lakes and rivers, Cooling water circulation, Water supply to municipalities, panchayats & hilly terrains, Sprinkler, dip & rain gun irrigation, Fire fighting, Clear water sewage pumping.

SERIES GGP

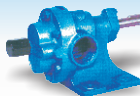
GEAR PUMPS

OPERATING DATA

Capacity	up to 150 m ³ /hr
Pressure	up to 12 kg/cm ²
Speed	up to 3000 rpm
Temperature	up to 110° C
Viscosity	up to 50,000 cst

MATERIALS COMBINATION

Cl/ CS/ SS-304/ SS-316 etc.



CONSTRUCTIONAL FEATURES

- Floating geared design enable uniform load distribution
- Specialized design tooth profile increases the tooth life
- Mechanical seal (optional)
- Both internal & external gear construction

APPLICATION

Steel plants, Power plants, Fertilizer plants & similar industries, Oil transfer, Transferring tar, pitch, crude, diesel oil, furnace lubricating oil etc., Chemical industries handling mixed chemicals, plastic, paint & ink, and Dairies, Breweries handling fruit juices, vegetable fats & oils, molasses etc.

SERIES GSC

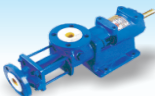
SCREW PUMPS

OPERATING DATA

Capacity	up to 200 m ³ /hr
Pressure	up to 45 bar
Speed	up to 3000 rpm
Temperature	up to 150° C
Viscosity	up to 30,000 cst
Solid handling	up to 5%

MATERIALS COMBINATION

Body : Cl/ Bronze/ SS
Screw : SS/ Bronze/ Alloy steel



CONSTRUCTIONAL FEATURES

- Self-Priming feature
- Non-clogging feature
- Low NPSH resulting capability of high suction lift
- Drive arrangement shall be electric motor, geared motor, gear box arrangement, V-belt drive

APPLICATION

Refineries, Petroleum depots, Steel & Power plants, Fertilizer plants, Captive Diesel Power plants, Handling Acrylic Emulsion, Ceramics, Paints, Printing ink, Cosmetics, Liquid soaps, Jam, Fruit pulp, Cream, Medical formulation, Chocolate mix, Yeast, Magma, Molasses etc.

SERIES GRC

RECIPROCATING PUMPS

OPERATING DATA

Capacity	up to 100 m ³ /hr
Pressure	up to 500 kg/cm ²
Temperature	up to 150° C
Viscosity	up to 30,000 cst
Solid handling	up to 5%

MATERIALS COMBINATION

Body : CI
Piston : SS/ Cast steel



CONSTRUCTIONAL FEATURES

- Super hard, Non-scoring plungers
- Several interchangeable plunger and seal packages

APPLICATION

High pressure water blasting/ cleaning/ cutting/ metal descaling, Hydraulic charge/ Hydrostatic test, Chemical processing, Seawater reverse osmosis, Refineries, Oil and gas industries etc.

SERIES GNM

NON-METALIC CENTRIFUGAL PUMPS

OPERATING DATA

Capacity	up to 300 m ³ /hr
Head	up to 80 mtrs.
Speed	up to 3000 rpm
Temperature	up to 80° C

MATERIALS COMBINATION

Polypropylene/ PVDF/ PTFE/
HDPE/ UHMWPE



CONSTRUCTIONAL FEATURES

- End suction top discharge back pullout design
- Self-priming type pump with priming pot (optional)
- Vertical type pump with 3 mtr suspension length can be provided
- Monoblock configured pump can be provided
- Hardwares & fasteners are encapsulated to avoid environmental corrosion
- Mechanical seal arrangement is also provided

APPLICATION

Highly corrosive liquids like HCL, H₂SO₄, HNO₃ etc., Filter press for dyes & pigments, Descaling, Water & effluent treatment, DM water transfer, Electroplating, Pickling of steel in cold rolling mills, Food and Pharmaceuticals etc.

SERIES GHP

HYDROPNEUMATIC SYSTEM

OPERATING DATA

Capacity	up to 500 m ³ /hr
Head	up to 120 mtrs.
Speed	up to 2900 rpm
Temperature	up to 80° C
Supply Voltage	415 V, 50 Hz

MATERIALS COMBINATION

Impeller CI / SS
Suction & Discharge casing CI/ Stainless Steel
Sealing Gland packed/ Mechanical seal



CONSTRUCTIONAL FEATURES

- Pump supplied with Control Panel with fixed speed and variable speed as per customer's requirement
- Skid mounted complete system comprising suction & discharge manifold, valves, pressure switch, pressure transmitter along with hydropneumatic tanks etc. as per above picture & as per customer's requirement
- Both horizontal & vertical pump can be provided in system

APPLICATION

Hotels, Residential buildings, Hospital buildings, es, Various utility servic

VALVE

COUPLING



SIZE :
up to 400 mm



TYPE :
Flexible Pin & Bush/ Flexible Type/ Spacer (Jaw Flex/Rubber Pad)/ Metaflex

RECLAMATION / RETROFIT / UPGRADATION OF PUMPS:



RECLAMATION/ RETROFIT/ UPGRADATION STEPS

STEP 1

SITE ANALYSIS & MONITORING OF
EXISTING PARAMETERS

STEP 2

DATA COLLECTION

STEP 3

ASSESSMENT OF DAMAGED PARTS

STEP 4

RECOMMEND ENGINEERING SOLUTION

STEP 5

DESIGN & DEVELOPMENT

STEP 6

TESTING

STEP 7

COMMISSIONING

PRIMARY OBJECTIVES :

- To obtain optimum efficiency as per existing system.
- Maintaining similar parameters with a little or no alteration to suit the existing data.
- To provide cost effective and time frame services, re-use of existing spare parts as far as possible.
- Maintaining minimum modification (if required at all) in base foundation, piping layout, internal parts and mating faces to suit the existing system.
- Aim to reduce the vibration parameters as far as possible.
- To design effective hydraulic parameters to match overall performance of the system.
- To make spare parts easily available.

**WE ALSO UNDERTAKE
IMPORT SUBSTITUTION OF PUMPS AND
ONE TO ONE REPLACEMENT OF
OBSOLETE MODEL & MAKE PUMPS AND SPARES**



WE ARE ALSO IN GLOBAL MAP

SOME VALUED CUSTOMERS

 Ministry of Defence	 ONGC	 Oil India Limited	 ONGC India Limited Comparing Never Falters	 SAIL A Hindalco Company	 WBPCL
 Government of Tripura	 BISWA SIKRI	 ITC Limited	 ADITYA BIRLA GROUP	 JINDAL STEEL & POWER	 TATA METALIKS
 SIEMENS Ingenuity for Life	 VISASTEEL	 ACC LIMITED	 SIMPLEX GROUP	 JINDAL STEEL & POWER	 TATA METALIKS
 BP-Sanjiv Geetika Group	 USHA MARTIN	 IMFA	 SIMPLEX GROUP	 Mackintosh Burn	 PAHARPUR
 Phillips Carbon Black Limited	 USHA MARTIN	 IMFA	 MSP GROUP	 SHYAM GROUP	 Shakambhari Ispat & Power
 RASHMI GROUP	 MP BIRLA GROUP	 Paradip Phosphate	 DC GROUP	 SRI RUNGTA GROUP	 ADHUNK
 BHILAI STEEL	 CBI	 China Steel	 WTG MANUFACTURING	 NORTH WEST GROUP	 TRI-TECH



GRW PUMPS PVT.LTD.

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