



INNOVATIVE
PRODUCTS



EXCEPTIONAL
QUALITY



WORLD CLASS
TECHNOLOGY



 **VBC**TM
HYDRAULICS
ELEVATE

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A WORD FROM CMD

It is my great pleasure to introduce you to VBC Hydraulics in business for over 20 years, VBC Hydraulics has enjoyed a strong reputation in the hydraulic industry as a leader and innovator. The employees and management of company are dedicated to achieve their position as the leader in the hydraulic industry. VBC Hydraulics has been making significant contribution to industrial development in many fields. Company promises to continue making contribution while at the same time standing for its products by delivering unparalleled reliability and service. We extend our deepest gratitude to the supporters of the company. Thank you very much!

CORE PURPOSE

To elevate technology & shift worlds expectation by using all our resources innovatively & there by contributing towards our ecosystem.

CORE VALUES

- Putting Heart and mind in the work to get best.
- Continuous upgradation.
- Innovation and Creativity.
- Social responsibility.
- Having fun and celebration small successes in our journey to reach big



Mr. Bhavesh Shah (Chairman)
VBC Hydraulics



INDUSTRY WE SERVE

- Agriculture Machinery • Construction Machinery
 - Industrial Hydraulic Power Pack Manufacturing • Rubber and Plastic Molding Machinery
 - Material Handling Equipment • Machine Tools • Lubrication Industries
- and many other industrial applications....

COMPANY OVERVIEW

It gives great pleasure to introduce ourselves as a manufacturer and exporter of World-class Quality and reliable Hydraulic gear pump over a period of last 20 years. We are manufacturers of Hydraulic Gear pump for Agriculture & road construction Equipment, Rubber-Plastic molding machinery, Material Handling Equipments (Fork-lifts), lubricating Equipments, Earth Moving Equipments, Textile machinery, Industrial hydraulic Power pack, Baling presses, Hydraulic press machinery, Special purpose machinery, many other industrial Application with standards.

We are India's first Hydraulic Gear pump manufacturer with our own design Hydraulic Gear pump (high-low Gear Pump). We are creators of innovative hydraulic Gear Pump (4000 SERIES GEAR PUMP- high pressure up to 250 bar).

We are manufacturer of wide range of Hydraulic Gear Pump from 0.8cc/rev. to 201.0cc/rev. in single double and triple stages. We make pumps with International standards of mounting, Drive Shaft and ports are as per customer requirements. We also make s multiple pump and special pumps as per customer's requirement. We are not only world class Quality provider but Also World class Service Provider.

Our valued customer in India are Godrej(Fork Lifts), Dental Hydraulics(Hydraulic power pack), Voltas(Fork Lift), Preet Tractors(Tractors), Standard Tractors, Bull machine Pvt. Ltd. (tractor attachment), Ammann Apollo, Universal (Construction Equipments), Bosch Ltd . We also export our Pump to USA, Bangkok, Colombia, Sweden, Mexico & UAE. Our customer care drive stems from professional commitment, giving the client exactly what is required.

OUR PHILOSOPHY

We at VBC Hydraulics, will pursue excellence in all meters through dynamic and wise application of the latest knowledge, undertaking efforts for better environment and assuring our contribution to the society.

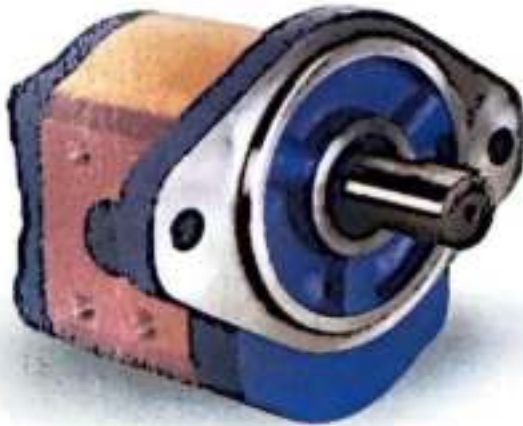
OUR PRINCIPLES

- We will provide products that customer's need and appreciate, giving first priority to customer satisfaction.
- We will provide the quality that engenders customer's confidence.
- We will always pursue new technologies to establish higher corporate and social values.
- We will respect each individual's capability to work to the fullest.
- We will view our business from a world wide stand point as a global corporation.
- We will contribute, as a good corporate citizen, to development of society, undertaking efforts for a better environment.
- We will share our prosperity with all the people concerned, including customers, share holders and group members

COMPANY INFRASTRUCTURE



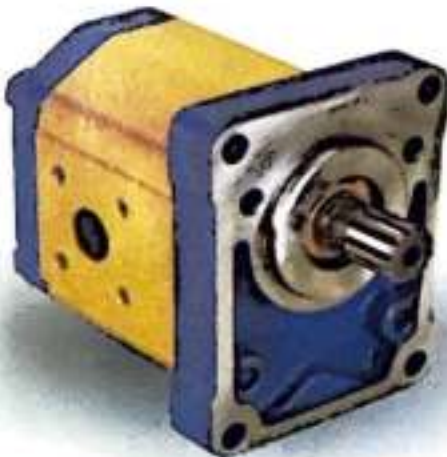
SUPREMO GEAR PUMP (3000 PSI Gear Pump)



- Displacement 0.8cc to 151.32cc.
- Working Pressure upto 210 Bar.
- Equivalent to traditional gear pump.
- 8 Teeth Gear Design.
- Aluminium Body with Aluminium Plate & Cover.
- Economical Solution.
- Multiple Units available in standard version.
- Common inlet available for separate stages.
- Pumps available with built-in pressure relief valve.

Frame Size	CC/REV.	Working Pressure	Maximum Speed
0A	0.8CC to 4.5CC	Upto 210 Bar	Upto 4000 RPM
1A	5.1CC to 27.3CC	Upto 210 Bar	Upto 4000 RPM
2A	16.67CC to 66.67CC	Upto 210 Bar	Upto 3500 RPM
3A	47.07CC to 151.32CC	Upto 210 Bar	Upto 2500 RPM

VGP Series (4000 PSI Gear Pump)



- Flow from 0.8cc to 201.0cc.
- Working pressure upto 250 bar.
- Low flow pulsation.
- Low noise level as compare to traditional gear pump.
- High working life.
- 12 Teeth Gear Design.
- Cast Iron end plate & cover.
- High Efficiency.
- Multiple Units available in standard version.
- Common inlet available for separate stages.
- Pumps available with built-in pressure relief valve.
- Custom Design.
- Integrated outboard bearing for heavy duty application.

Frame Size	CC/REV.	Working Pressure	Maximum Speed
0.5A	0.8CC to 4CC	Upto 210 Bar	Upto 6000 RPM
10A	5.6CC to 34.13CC	Upto 250 Bar	Upto 4000 RPM
15A	11.78CC to 44CC	Upto 250 Bar	Upto 4000 RPM
20A	16.67CC to 67.0CC	Upto 250 Bar	Upto 3500 RPM
35A	46.0CC to 201.0CC	Upto 240 Bar	Upto 2800 RPM

HI-LOW GEAR PUMP (Own Design Product)

Very special double stage pumps with Relief valves. Hi-Low pumps are ideal for applications requiring a quick approach and/or return of the actuator at low loads (defined by the sum of the flows of the first and second stage) and slow motion of the actuator at high loads (defined by the first stage). Compared to traditional pumps, Hi-Low ones require a less powerful motor. When working at the pressure lower than the relief pressure, both big and small pump supply FLOW. When working at a high pressure, only small pump supplies FLOW, which highly reduces the power consumption. Hi Low pumps are available for groups 10A/10A & 10A/0A. All displacement combinations for the two stages, flanges and shafts are available for a very flexible configuration of the pump.



- Own design product.
- Flow combination-any combination between 7-LPM to 50-LPM.
- Maximum hi-pressure upto 250 bar.
- Low power consumption.
- This can replace use of PCM block (for hi-low application)
- Pump it self include unloading valve
- Adjustable unloading pressure $30 \pm$ bar.

Hi-Low Gear Pump	
First stage smaller displacement high pressure	From 5.6cc to 34.1cc cm ³ /rev-P1 = up to 250 bar
Second stage bigger displacement low pressure	From 1 to 29 cm ³ /rev-(pressure set by pressure relief valve)
Unloading Valve	Standard setting from 30 to 50 bar, special settings on request
RPM Range	From 500 rpm to 4000 rpm
Ports	Common inlet. Common Outlet.
Flange and Shafts	According to pump type & customer requirement

HELICAL PUMP (Silent Gear Pump)

- High Efficiency.
- Low noise level.
- Displacements from 4.5cc to 29cc.
- Reduce noise level by 12 db.
- Reduce flow pulsation by 70%, it help to reduce energy consumption.
- Working pressure upto 280 bar.
- Integrated outboard bearing for heavy duty application.
- Pumps available with built-in pressure relief valve.
- Multi Units.
- Custom Design



Frame Size	CC/REV.	Working Pressure	Maximum Speed
12A	4.5CC to 29.0CC/rev	Upto 280 Bar	Upto 4000 RPM

CAST IRON GEAR PUMP



- Displacements from 16.67cc to 110.2cc.
- Maximum working pressure upto 280 bar.
- 12 Teeth Gear Design.
- High efficiency at high temperature.
- Low noise level.
- Multiple Units available in standard version.
- Common inlet available for separate stages.
- Pumps available with built-in pressure relief valve.
- Exceptional Working Life.
- Solid & Compact Design.
- Custom Design.
- Integrated outboard bearing for heavy duty application.

Frame Size	CC/REV.	Working Pressure	Maximum Speed
20K	16.67CC to 48.2CC	Upto 280 Bar	Upto 3500 RPM
35K	44.3CC to 110.2CC	Upto 250 Bar	Upto 2800 RPM

D. C. POWER PACK

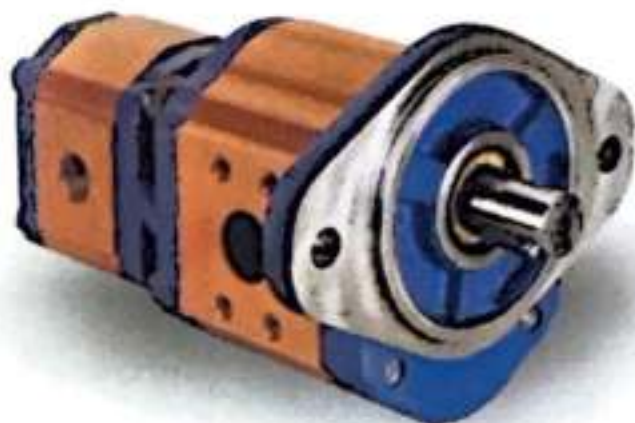


- Compact power pack.
- Available in 12V and 24V.
- Available tank capacity 10 LPM.
- Uni-Directional Hydraulic Power Pack.
- Pump availability from 0.8CC to 4CC (For 12V & 24V)
- Pump produce pressure upto 200 bar.
- Single & double acting circuit available.

Application Includes...

- Wheel chair lift.
- Material handling equipment.
- Car Carrier.

CUSTOMIZED GEAR PUMP



- Customized gear pump is also made as per sample or specification.
- 12 Teeth Design.
- All international shaft & mounting available
- Available in aluminium & cast iron body.

Application Includes...

- Loader
- Earth Moving
- Equipment Hydraulic Crane
- Agriculture Equipment

Frame Size	CC/REV.	Working Pressure	Maximum Speed
10A	5.6CC to 34.13CC	Upto 250 Bar	Upto 4000 RPM
15A	11.8CC to 44.0CC	Upto 250 Bar	Upto 4000 RPM
20A	16.67CC to 67.0CC	Upto 250 Bar	Upto 3500 RPM
35A	46.0CC to 201.0CC	Upto 240 Bar	Upto 2800 RPM

HYDRAULIC ACCESSORIES



- Customized aluminium manifold block with hard anodizing process.
- Aluminium bell housing for 2HP, 3HP, 5HP, 7.5HP & 10 HP electric model.
- Eco-friendly material in bell housing & manifold block.
- Light in weight.
- Manifold block available upto 5 stages.
- Oil Level Indicator
- Pressure Gauge
- Gear Coupling
- Suction Filter
- Breather

{ We are Proud to have them "SATISFIED" }



To Elevate Technology & Shifting World's Expectations

2015 | High precise inspection unit installed (Equator-Renisaw UK).
New silent Helical gear pump developed. CNC Gear grinding Machine.

2014 | 4 CNC Machine installed to increase production line.
Small compact pump and DC power pack.

2013 | New Facility to Boost Gear Pump production.

2012 | Developed 15A Series Gear Pump

2011 | 16 Nos. CNC Machine Installed
Digital Gear pump test bench
New developed of 35A series
200 CC pump making

2010 | In-house grinding facility

2009 | Newly developed Hi-Low
Gear Pump & applied for
patent in India

2008 | Export to USA

2006 | First CNC Machine Installed

2005 | First Export

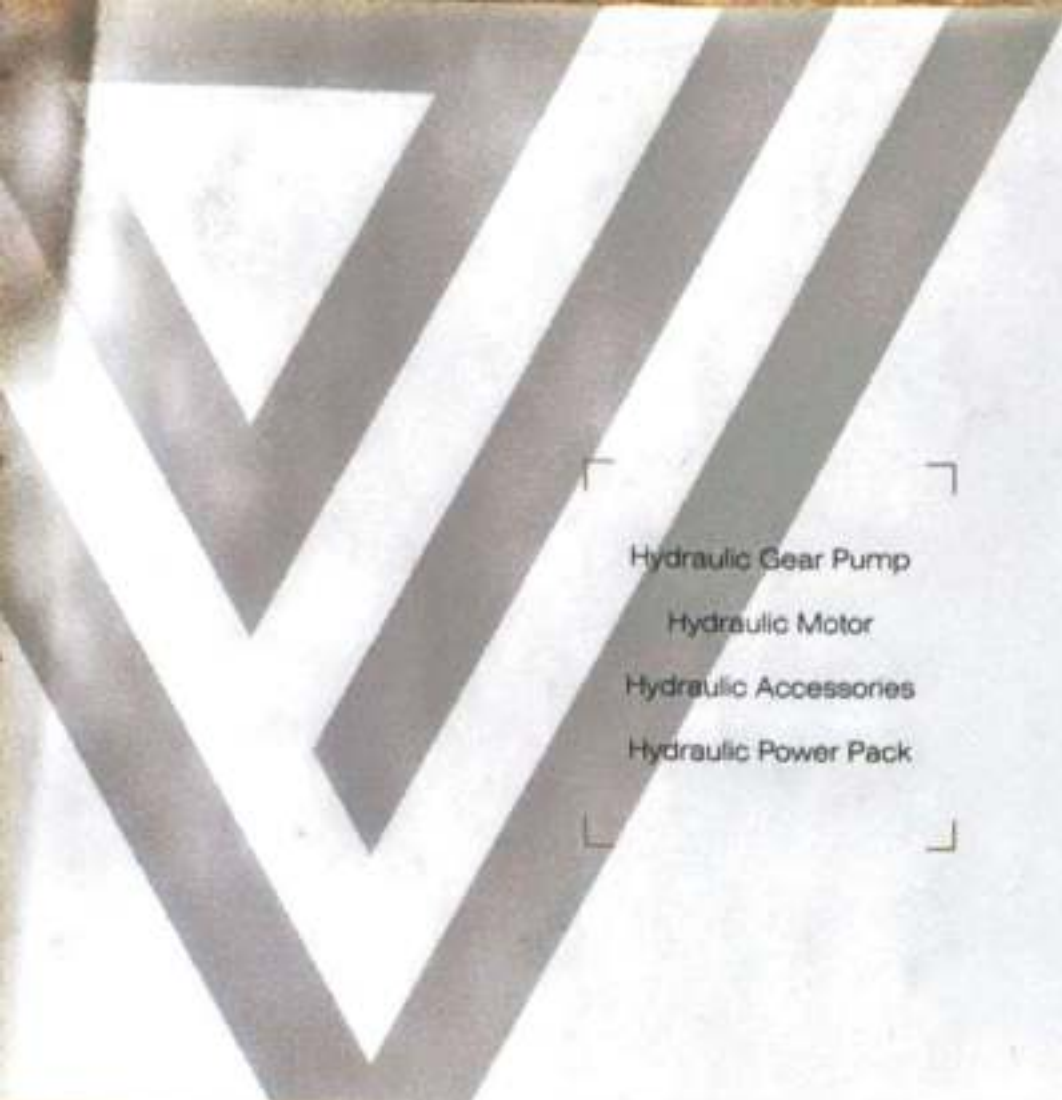
1996 | Small scale with manual work shop

1995 | Establishment Year



FUTURE PLANS

Fully Automatic Computerized Gear Pump Test Bench
Solenoid Directional Control Valve
Axial Piston Pump & Heavy Duty Cast Iron Pump
Power Saving Power Pack For CNC Machine



Hydraulic Gear Pump

Hydraulic Motor

Hydraulic Accessories

Hydraulic Power Pack



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