

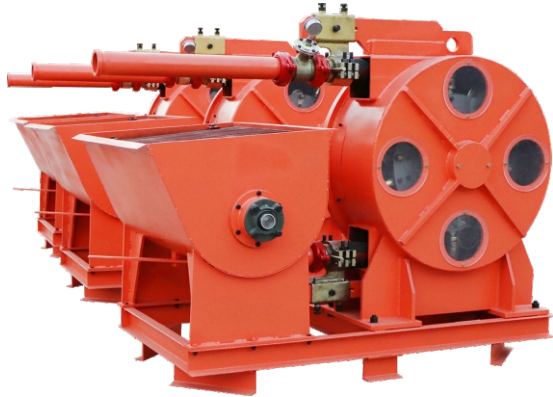
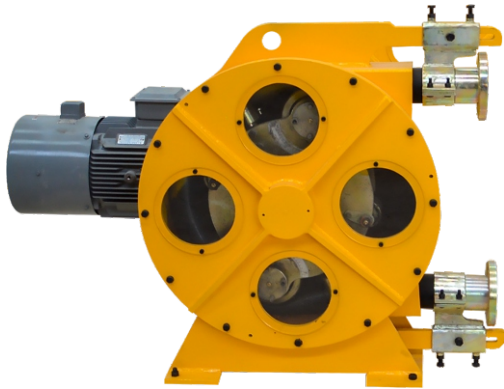


GAODETEC

HOSE PUMP

We full strive for shared NORMS and VALUES:

- ★ Safety and Stringent quality control
- ★ Maneuverability and Operator comfort
- ★ Reliability
- ★ Technical sophistication & after-sales full support



GAODE EQUIPMENT CO., LTD.

Fields of Application

■ Construction

Conveying and spraying of mortar and concrete



■ Pharmacy

Conveying of corrosive and poisonous materials



■ Textile Mill

Conveying of fiber contained fluid, dye and waste water



■ Dye Making

Conveying of coating, paint and color



■ Water Treatment

Conveying of water and waste water



■ Papermaking

Conveying of pulp, color and glues



■ Mining

Conveying of mineral waste residue



■ Ceramic

Conveying of glaze slip and color



■ Brewery and Beverage

Conveying of beer, wine, milk, juice, additive and residue



■ Underground Engineering

Conveying of mud fluid in TBM



Advantages:

No seals

No valves

Self-priming

Only squeeze hose replace

Dry-running without damage

Reversible

No contact between product and mechanical parts

Able to pump products with solid parts inside

Easy maintenance, low-cost, short down time

Perfect Pump for:

Corrosive

Abrasives

Shear sensitive fluids

High viscosity fluids

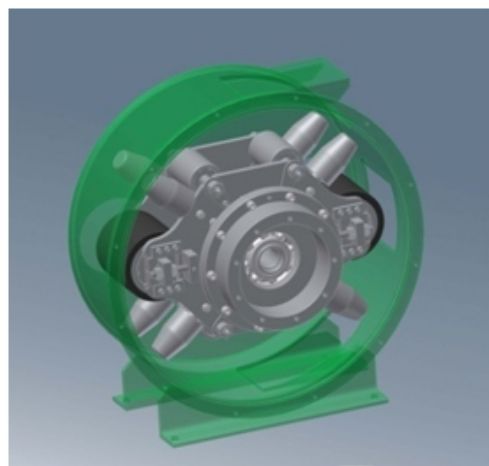
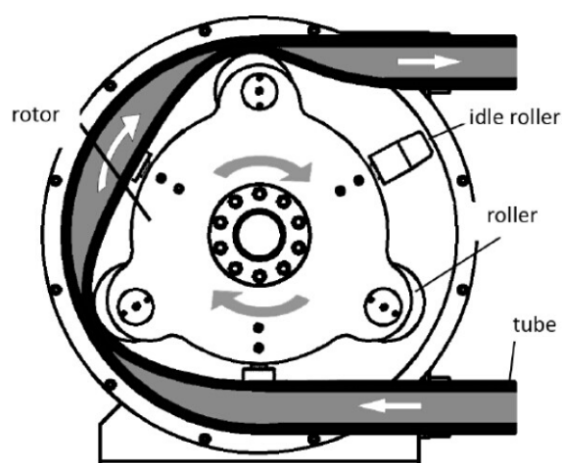
High density fluids

Large solids

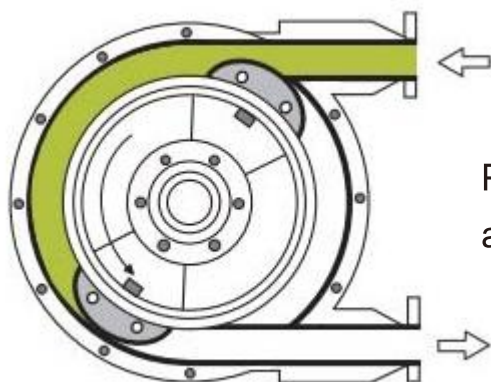
Metering ($\pm 1\%$)

High Pressure (3 MPa)

Working Principle



GH series industrial hose pump (squeeze pump) consists mainly of pump house, rotor, roller, idle roller, squeeze hose and driving unit. The squeeze hose is U-shape in pump house, when rotor drives roller to rotate, hose is deformed. After the roller rotate, the deformed hose recover by its elasticity. Thus the negative pressure in this hose is generated, sucking slurries, and discharging through outlet under roller's push, finally forms pressure conveying of slurries.



Press shoe structure could be customized according to different requirement

Squeeze Hose Optional



NATURAL RUBBER (NR)

Outstanding abrasion resistance. Generally resistant to diluted acids and alcohols.

- Max. fluid temperature 80°C
- Min. fluid temperature -20°C



NITRILE RUBBER (NBR)

Meets FDA and 3A. Resistant to oils, greases, alkalis and detergents.

- Max. fluid temperature 80°C
- Min. fluid temperature -10°C



EPDM

Excellent chemical resistance, especially to ketones, alcohols and concentrated acids.

- Max. fluid temperature 90°C
- Min. fluid temperature -10°C



GAODE HIGH PRESSURE IMPORT HOSE

Outstanding abrasion resistance and high working pressure with steel wire reinforcement layer. Max. working pressure is up to 30bar.

- Max. fluid temperature 90°C
- Min. fluid temperature Minus -15°C

The Hose is the key



1. Inner layer in various types of rubber.
2. Reinforced with layers of nylon.
3. Outer layer precision-machined.
4. Rough outer surface before machining.

The essential component of high-performance hose pumps is a hose that is constructed of layers of rubber reinforced by winding several layers of nylon cords. The inner and outer layers are extruded. The inner layer is available in a range of rubber compounds. After the hose is constructed, it is then machined. Machining is the final step in hose manufacture and is critical to insure that exact tolerances are held.



The machined hose is the single most vital component for the performance, durability, and efficiency of the hose pump. To ensure perfect compression and consistent, reliable performance, Gaode manufactures hoses from high quality compounded rubbers, reinforced with four individual layers of braided nylon and finished by high precision machining. Perfect compression eliminates slip which, in other pumps, can destroy shear sensitive product, reduce metering accuracy, or allow abrasive slurries to wreak havoc on wetted parts. Gaode hoses can meet the flow, pressure and temperature characteristics of your toughest applications.



Dodel Definition

GH38 -- 430 A

Transmission Type

A - Cycloidal pinwheel reducer gear box

B - Helical bevel gear

C - Sprocket chain transmission

Pump rotary diameter

Pump hose inner diameter

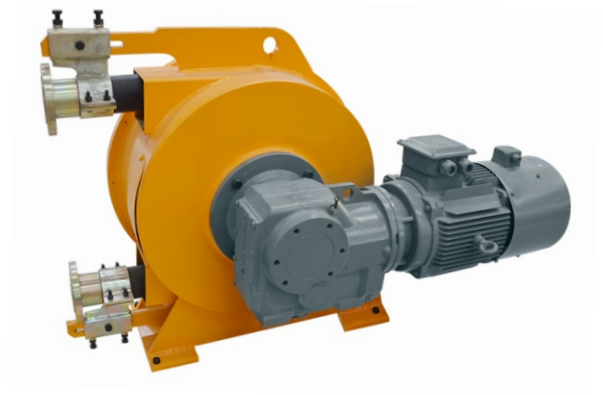
Gaode Equipment Co. Ltd. Hose Pump



A - Cycloidal pinwheel reducer gear box



C - Sprocket chain transmission

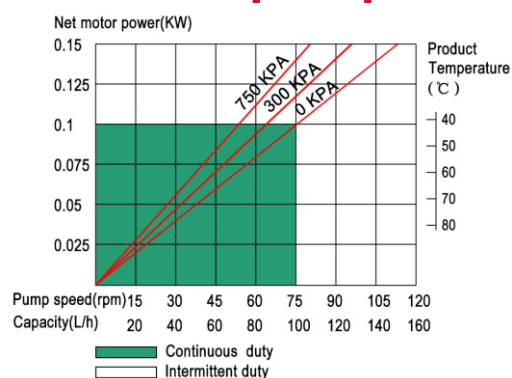


B - Helical bevel gear box

Performance curve of industrial hose pump

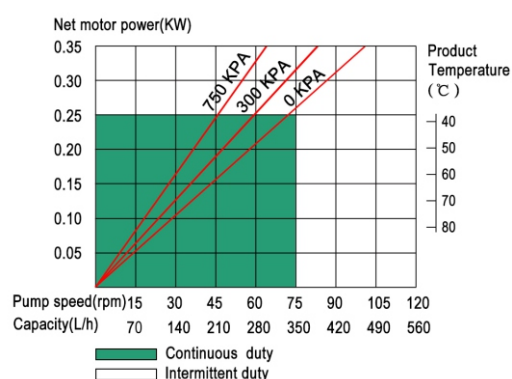
GH10-200

Capacity: 0.037 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 10 mm



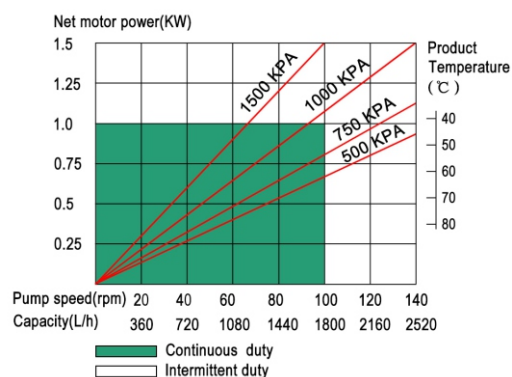
GH15-200

Capacity: 0.083 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 15 mm



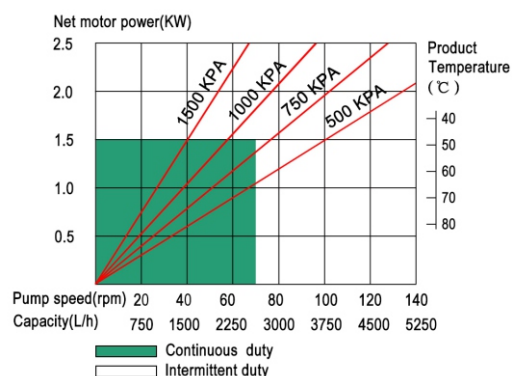
GH25-265

Capacity: 0.3 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 25 mm



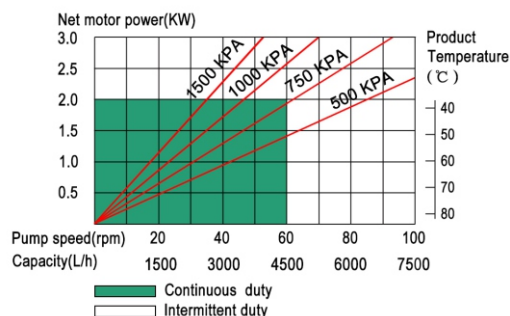
GH32-330

Capacity: 0.625 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 32 mm



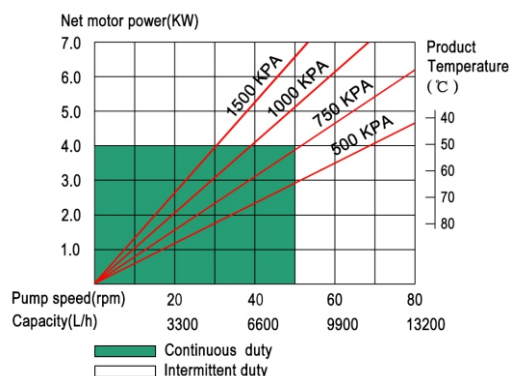
GH38-430

Capacity: 1.14 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 38 mm



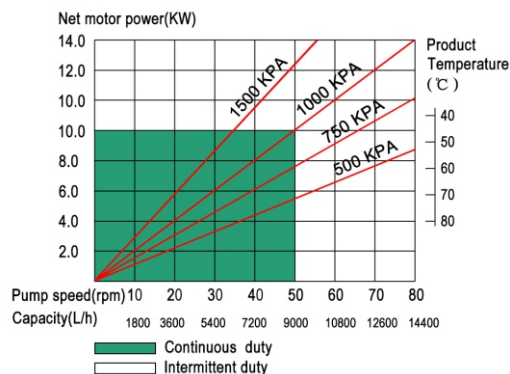
GH50-558

Capacity: 2.58 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 50 mm



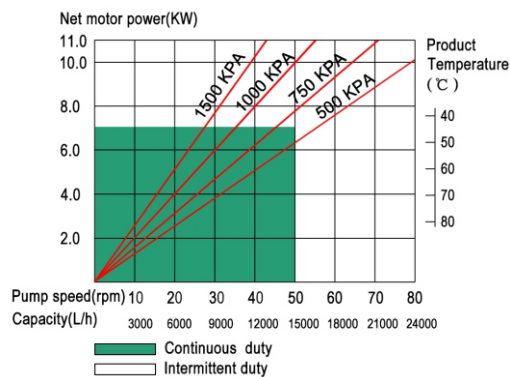
GH50-680

Capacity: 3.14 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 50 mm



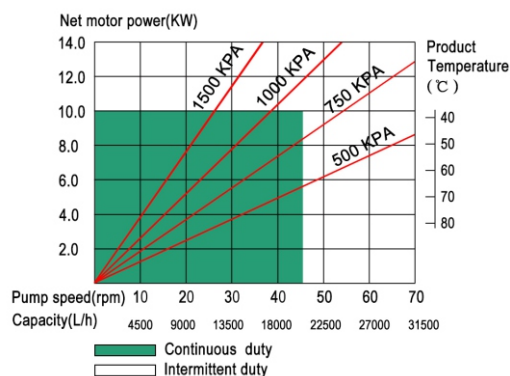
GH65-680

Capacity: 5.31 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 65 mm



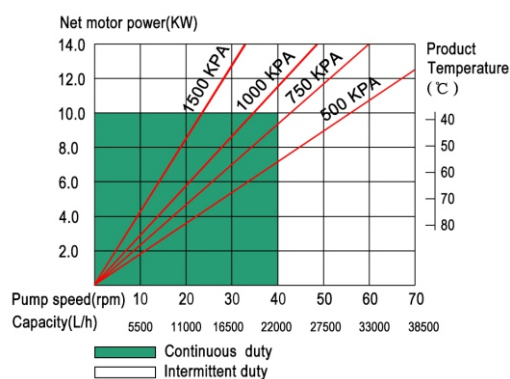
GH76-770

Capacity: 8.22 L/rev
Max discharge pressure: 15 bar
Hose inner diameter: 76 mm



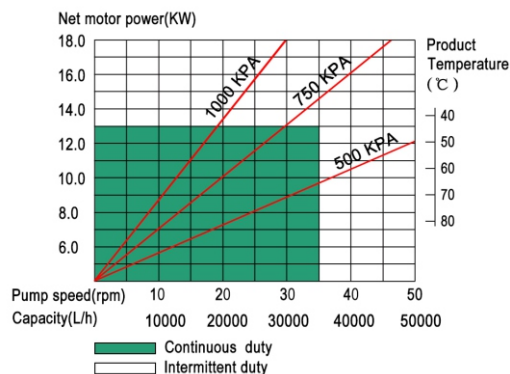
GH76-915

Capacity: 9.77 L/rev
Max discharge pressure: 10 bar
Hose inner diameter: 76 mm



GH100-915

Capacity: 16.92 L/rev
Max discharge pressure: 10 bar
Hose inner diameter: 100 mm



Note

1. Intermittent duty: Max. 2 hours working and stop for 1 hour
2. Flow rate takes water as medium
3. You may inquiry to us if the model you need is not listed

Pressure Shoe Hose Pump

Besides roller structure hose pump, we have also pressure shoe structure hose pump. Different with roller structure, the pressure shoe creates sliding friction with the squeeze hose. Pump house need be added shoe lubricant to reduce the wear of pressure shoe on the hose and improve the service life of squeeze hose.

According to the users process parameters provide the best option for the detail application. Max. flow: 150m³/h, max. pressure: 16 bar.



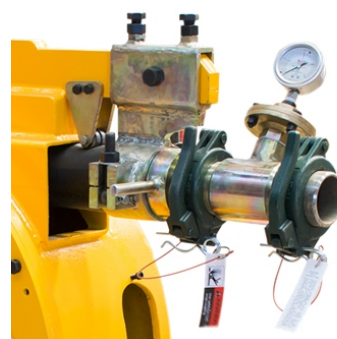
Shoe Lubricant

Food grade shoe lubricant is specially compounded lubricant for use with fixed press shoe structure peristaltic hose pump. The volume capacity of one bucket is 5 litres.



GAODE Hose Pump Main Product Feature

1. Adopts 2 or 3 squeeze rollers according to the requirements.
2. Extrusion interference can adjust via scale dial, bolt fixing.
3. Pump house adopt steel plate welded.
4. Squeeze roller and pump core adopt galvanized process, avoid rust.
5. Bearings adopts China Famous Brand Harbin full sealed bearings.
6. The joint adopts carbon steel safety joints, and the clamp adopts concrete pump special high pressure and quick clamp.



GAODE Hose Pump Optional Parts

1. Different drive type.

Electric motor, hydraulic motor and diesel engine for option.

2. ABB /Siemens frequency converter.

Frequency converter is used for control pump speed, achieving variable output.

3. Hose leak detector.

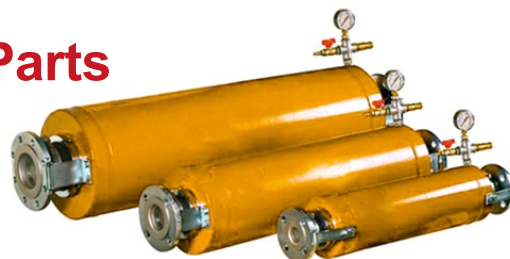
Stops the pump in case of hose rupture via liquid level sensor.

4. Pulsation Dampener

Pulsation dampener could eliminate up to 90% of discharge pulsations.

5. Squeeze Hose

Natural Rubber, Nitrile Rubber and EPDM materials hose for option.



Pulsation Dampener



Hose leak detector



ABB frequency converter

Single Roller Hose Pump

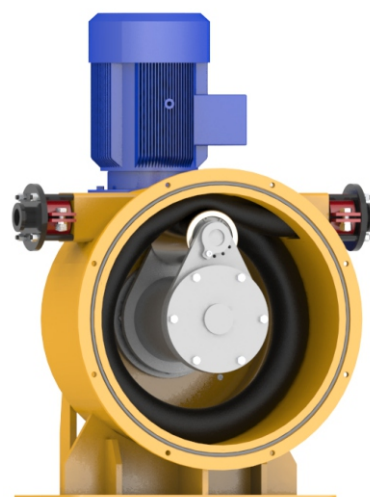
GH32-330SR single roller hose pump, different with press shoe structure, single roller design reduce number of hose squeezing, extend the hose service life. Usually single circulation flow is larger than conventional press shoe design.

Single Roller Hose Pump Feature

- No valve, no seal;
- Simple structure, easy maintenance;
- Only hose contact with pumping materials;
- Forward and Reverse in line to easily tempt the pipeline or to clear blockages;
- Single roller to make the squeeze hose work life longer and to get more pump output;
- The adjustable squeeze roller

Single Roller Hose Pump Data

Model	GH32-330SR
Output	1900L/h
Working Pressure	10bar
Squeeze hose ID	32mm
Rotate Speed	30rpm
Motor Power	3Kw, IP55
Voltage	380V, 50HZ, 3phase, customized
Dimension	580x550x790mm
Optional: Hydraulic Drive	GM1-320 motor. Required Hydraulic power: 12L/min@13MPa



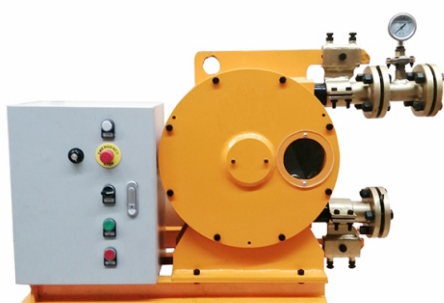
GAODETEC Hose Pump Customers' cases



Model	GH15-200
Output Capacity	0.3m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	60rpm
Squeeze Hose ID	15mm
Motor Power	0.75Kw
Be delivered to Russia for pumping waste water.	



Model	GH25-265
Output Capacity	0.6m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	36rpm
Squeeze Hose ID	25mm
Motor Power	1.5Kw
Used for pumping accelerator for wet shotcrete machine.	



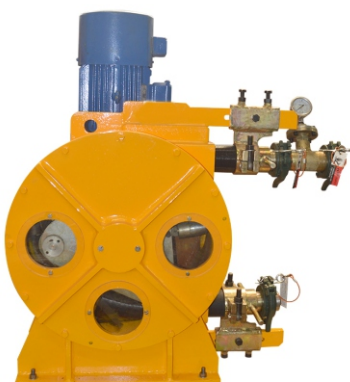
Model	GH32-330B
Output Capacity	1.3m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	36rpm
Squeeze Hose ID	32mm
Motor Power	2.2Kw
Mexican customers use it to pump chemicals.	



Model	GH38-430B
Output Capacity	2.2m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	32rpm
Squeeze Hose ID	38mm
Motor Power	3Kw
Taiwan customers use it to pump chemical liquids	



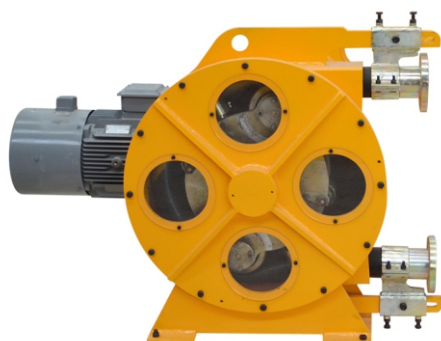
Model	GH50-445B
Output Capacity	4m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	38rpm
Squeeze Hose ID	50mm
Motor Power	4Kw
Armenia client use our hose pump for molybdenum flotation plant.	



Model	GH50-558B
Output Capacity	6m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	40rpm
Squeeze Hose ID	50mm
Motor Power	5.5Kw
Thailand use it for pumping lime.	



Model	GH50-680B
Output Capacity	6.4m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	34rpm
Squeeze Hose ID	50mm
Motor Power	7.5Kw
Mexico client use it for pumping indium pulp.	



Model	GH65-600B
Output Capacity	8m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	34rpm
Squeeze Hose ID	65mm
Motor Power	7.5Kw
CREG use it for grouting bentonite.	



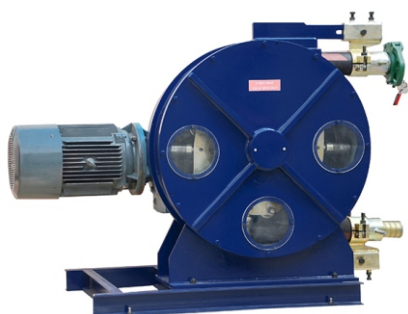
Model	GH65-680B
Output Capacity	12m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	41rpm
Squeeze Hose ID	65mm
Motor Power	11Kw
Mexico client use it for feeding material to filter press.	



Model	GH76-770B
Output Capacity	22m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	45rpm
Squeeze Hose ID	76mm
Motor Power	15Kw
CREG use it for grouting bentonite.	



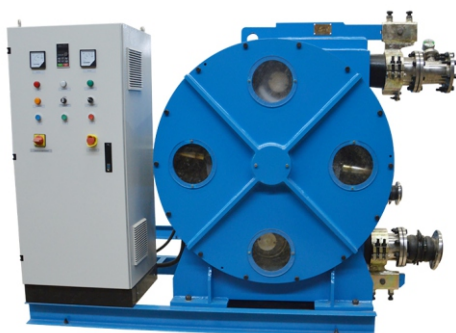
Model	GH76-770B
Output Capacity	22m ³ /h
Working Pressure	1.5Mpa
Rotate Speed	45rpm
Squeeze Hose ID	76mm
Motor Power	15Kw
Sinopec use it for pumping oil sludge and slurry during Shale gas extraction.	



Model	GH76-770B
Output Capacity	14m ³ /h
Working Pressure	2.5Mpa
Rotate Speed	35rpm
Squeeze Hose ID	76mm
Motor Power	18.5Kw
Bauer use it for pumping water and cement slurry.	



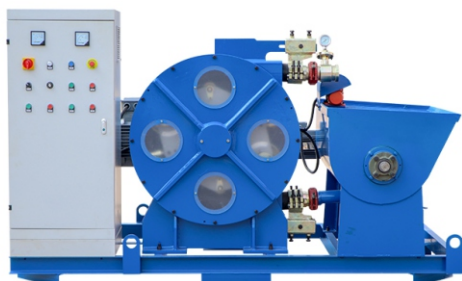
Model	GH100-915B
Output Capacity	30m ³ /h
Working Pressure	2.5Mpa
Rotate Speed	32rpm
Squeeze Hose ID	100mm
Motor Power	45Kw
UAE client use it for pumping cement slurry in Dubai World Expo Project.	



Model	GH125-915B
Output Capacity	55m ³ /h
Working Pressure	0.6Mpa
Rotate Speed	35rpm
Squeeze Hose ID	125mm
Motor Power	22Kw
Russian client use it for lime milk pumping.	



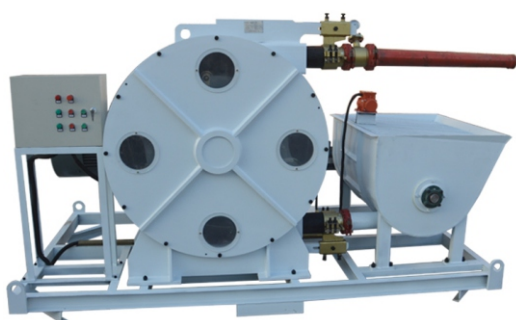
Model	GCP15H-D
Output Capacity	15m ³ /h
Working Pressure	2.5Mpa
Rotate Speed	37rpm
Squeeze Hose ID	75mm
Diesel engine power	40hp
Thailand client use it for pumping concrete in water tunnel.	



Model	GCP15H-E
Output Capacity	15m ³ /h
Working Pressure	2.5Mpa
Rotate Speed	37rpm
Squeeze Hose ID	75mm
Motor Power	22Kw
Switzerland client use it for pumping concrete.	

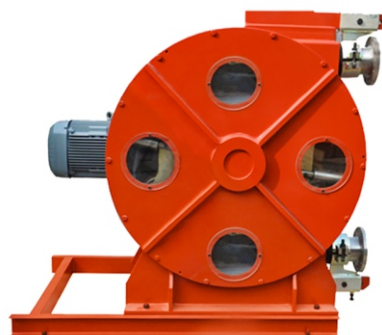


Model	GCP20H-H
Output Capacity	20m ³ /h
Hose Pump Model	GH76-915B
Working Pressure	2.5Mpa
Rotate Speed	40rpm
Squeeze Hose ID	76mm
Drive type	Hydraulic motor
Squeeze hose	Trelleborg hose
Australia client use it for mining project.	

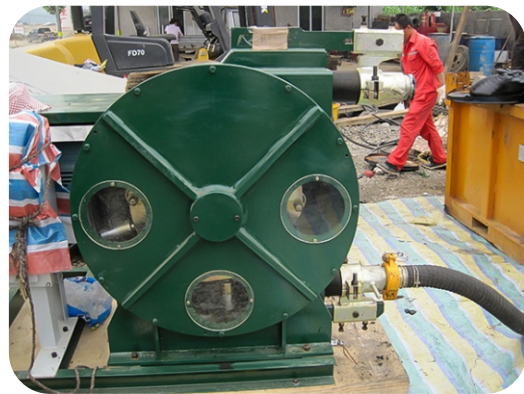


Model	GCP40H-E
Output Capacity	45m ³ /h
Working Pressure	2.5Mpa
Rotate Speed	39rpm
Squeeze Hose ID	100mm
Motor Power	45Kw
Singapore client use it for pumping concrete.	

Other structure hose pump







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