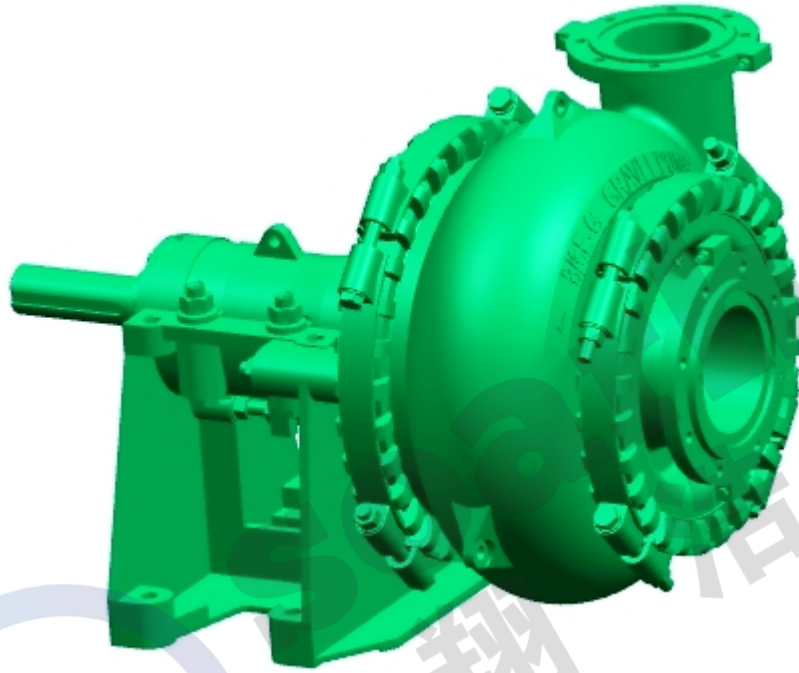


## G(GH) 系列砂砾泵

### Series G(GH) Gravel Pump



#### • 公司简介 Enterprise Profile

石家庄翔浩机械有限公司，是以矿山、电力用渣浆泵、脱硫泵、疏浚泵、清水泵为主的工业水泵专业生产企业，集研发、设计、制造、营销、服务为一体，具有严格的质量保证及科学完善的服务体系。

公司技术力量雄厚，拥有资深的水泵设计、制造、应用工程师团队，立足持续为用户带来更大价值，不断提高服务水平与质量。我们不单单向用户提供产品，还可依据客户的工矿需求，采用系统一体化的设计方法，为客户提供渣浆输送的一整套解决方案，使得用户在环保、节能、运营持久、降低产品使用成本等方面取得了显著效果。

公司坚持“技术创新化、管理严格化、生产定制化、服务专业化”的经营理念，全力提升企业现代化管理水平，使企业实现了持续快速发展。

公司的主要产品为ZGB、ZJ、AH、HH、M型渣浆泵、WN型挖泥泵、TL型脱硫泵、G型砂砾泵、SP型液下泵、HDSN型双吸泵、WQ型潜污泵、IS型清水泵等，广泛应用于环境保护工程、污水处理、城市工厂给排水、各种水利工程、冶金、矿山、电力、煤炭、疏浚、采砂、石油化工、建材、火电烟气脱硫等等诸多领域。国内市场占有率逐年递增，国际市场的占有份额不断提升，产品出口至东南亚、北美、欧洲、中亚、东亚等多个国家和地区。

长期以来，本公司坚持“诚信为本、客户至上”的原则，与众多厂家建立了长期合作关系，并赢得了广大客户的一致好评！

坚信凭借我们更优的产品，完善的服务，良好的信誉，必将赢得更多用户！

Shijiazhuang Soarho Machinery CO.,LTD, is a professional manufacture base of slurry pump, mine pump, FGD pump, dredge pump and clean water pump, combining scientific research, design, manufacture, marketing and service in one, with strict quality control system and science complete service system.

Having strong technical force, the company which has a senior pump design, manufacturing and application engineer team, continues to improve level and quality of service in order to bring greater value to the users. We not only provide products to users, but also provide a complete solution for slurry transportation for user to achieve a significant effect in environmental protection, energy saving, lasting trouble-free operation and cost reduction and so on, adopting a systematic and integrated design method and according to the working condition and the needing of user.

Adhering to the concept of 'technical innovation', 'strict management', 'customized production' and 'professional service', we strive to improve the modern management level and make the enterprises achieve sustained and rapid development.

The main products of the company are ZGB,ZJ,AH,HH,M slurry pumps ,WN dredge pumps , TL FGD pumps, G gravel pumps, SP sump pumps, HDSN double suction pumps. WQ submersible sewage pumps, IS clean water pumps and so on. They are widely used in many fields, such as environmental protection engineering, sewage treatment, municipal factory and water supply and drainage, various water conservancy projects, metallurgy, mine, electric power, coal, dredging, sand mining, petrochemical, building materials, thermal power flue gas desulfurization etc. The share of domestic market is increasing year by year, and the share of the international market is

increasing. Products exported to Southeast Asia, North America, Europe, Central Asia, East Asia and many other countries and regions.

For a long time, adhering to the principle of "honesty and customer first", our company has established a long-term cooperative relationship with many manufacturers, and has won the praise of the customers.

Firmly believe that we will win more users by virtue of our better products, perfect service and good reputation.

- **产品介绍 Product Introduction**

G(GH)系列砂砾泵为悬臂式离心泵，采用以卡带连接的单泵壳结构，具有良好的耐磨、耐腐蚀性和高可靠性。产品结构合理，运行可靠，寿命长等特点。特别适合于因颗粒太大以至于一般渣浆泵不能输送的强磨蚀物料连续输送，主要用于挖泥船挖泥、疏浚河道，盾构机排浆输送，采矿及金属冶炼爆渣的输送等。

Series G(GH) gravel pump is cantilevered centrifugal single casing pump connected with cassette, it is characterized by excellent abrasion resistance, corrosion resistance, high reliability, reasonable structure, reliable operation and long service life etc. This series of pump is suitable for continuously delivery of mediums with strong abrasion the particle of which is too large for common slurry pump to transfer. It is mainly applied to dredger, river training, mining and delivery of metal smelting slag etc. and it is particularly suitable for shield system.

- **产品特点 Product Feature**

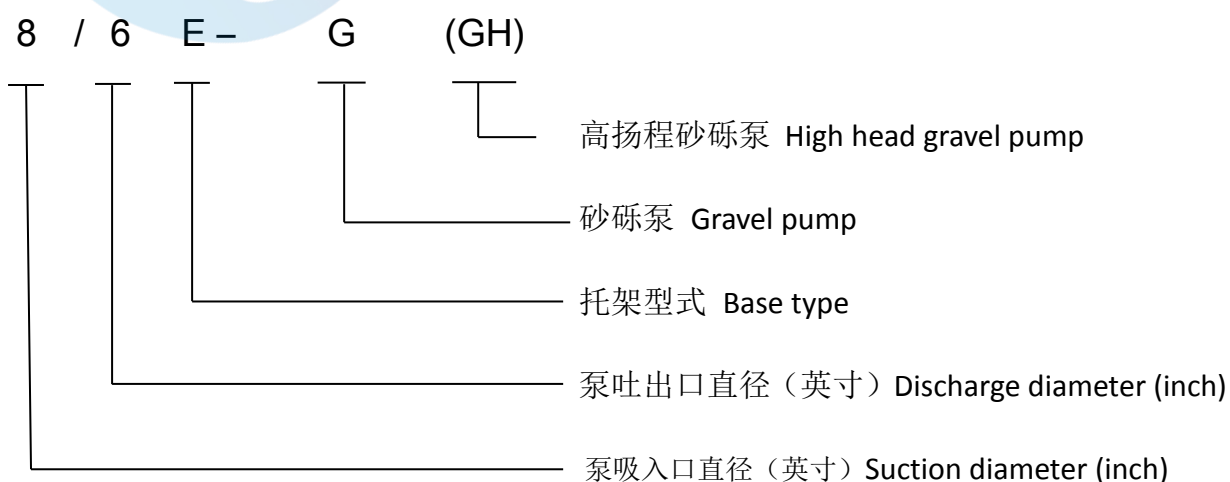
- 1、采用以卡带连接的单泵壳结构，过流通道宽敞，内衬为硬镍、高铬等耐磨材料，具有良好的耐磨性和高可靠性，汽蚀性能好。
- 2、筒式结构轴承组件，选用大容量轴承设计，轴承采用脂润滑、油润滑以适应不同的使用工况。
- 3、可调节叶轮与护板之间的间隙，保证泵的高效运行。
- 4、轴封采用填料密封、付叶轮密封和集装式机械密封，适应不同的工况要求。
- 5、泵与驱动机可选用直联传动、三角带传动、液力耦合器传动、减速器传动。
- 6、泵的出口方向可在360°任意角度旋转安装，以适应不同的现场安装条件。

1. Single casing structure connected with cassette, wide passage, hard alloy liner with excellent wear resistance, corrosion resistance, good reliability and good cavitation performance.
2. The bearing assembly is cylinder type structure , the bearing could be lubricated by grease or oil to fit different site condition.
3. The clearance between the impeller and the cover plate could be adjusted to ensure the pump to operate at high efficiency point.
4. Packing seal, expeller seal and cartridge mechanical seal could be selected as shaft seal to fit different site condition.
5. Pump and drive machine can choose direct drive, v-belt drive, hydraulic coupling drive, reducer drive.
6. The discharge direction could be positioned at any angle to fit different site installation condition.

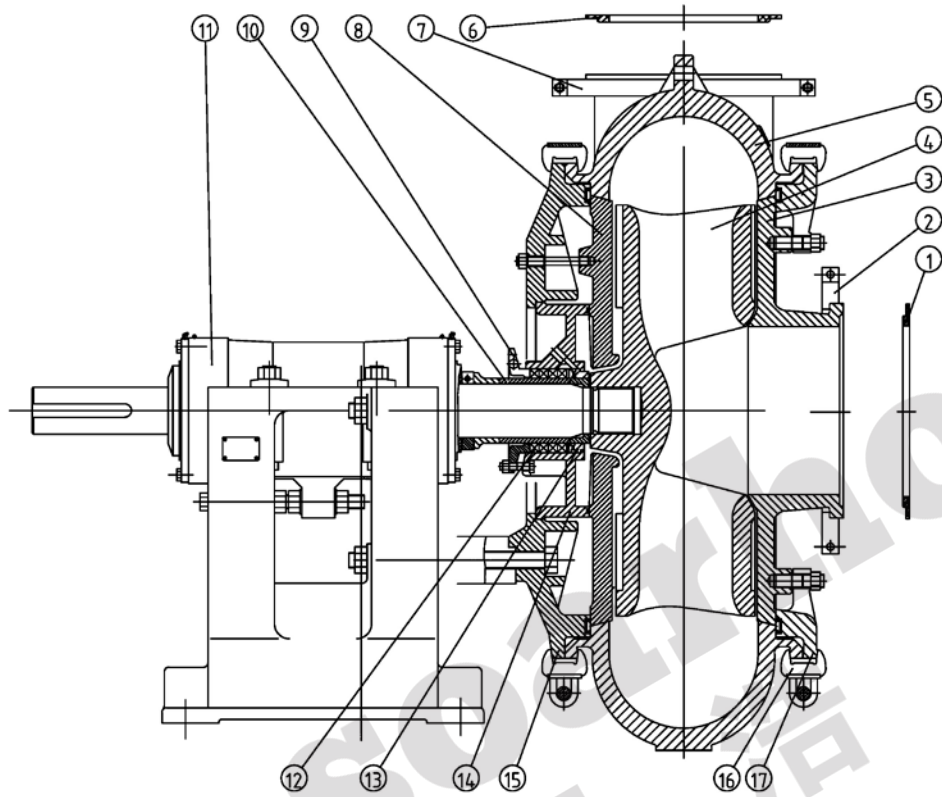
- **性能范围 Range of Performance**

流量 Capacity      Q: 80-5000m<sup>3</sup>/h  
 扬程 Head            H: 5-84m  
 吐出口直径 Discharge diameter: 100-400mm

- **型号说明 Model Code**



• 结构图 Construction description



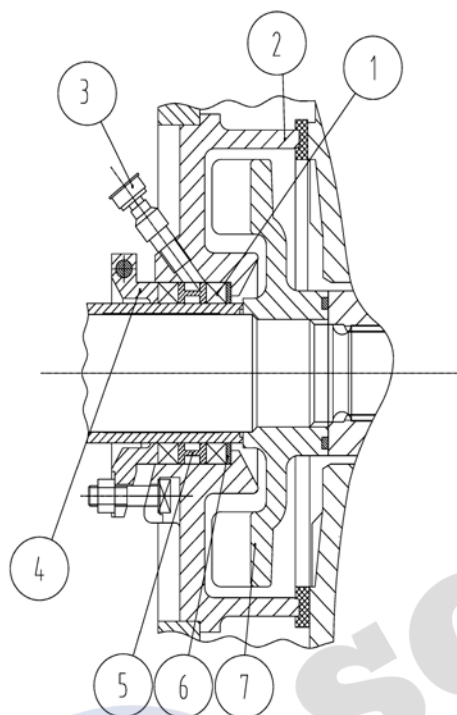
填料密封结构（标准结构） Packing sealing structure (standard structure)

- |                                  |                                |
|----------------------------------|--------------------------------|
| 1 吸入口密封垫 Suction seal            | 2 吸入口对开法兰 Suction split flange |
| 3 前护板 Front liner                | 4 叶轮 Impeller                  |
| 5 泵体 Frame plate                 | 6 吐出口密封垫 Discharge seal        |
| 7 吐出口对开法兰 Discharge split flange | 8 后护板 Rear liner               |
| 9 填料压盖 Packing gland             | 10 轴套 Shaft sleeve             |
| 11 轴承组件 Bearing assembly         | 12 填料 Packing                  |
| 13 前水封环 Front water seal ring    | 14 填料箱 Packing box             |
| 15 接合板 Join plate                | 16 卡带 Cassette                 |
| 17 泵盖 Cover plate                |                                |

## 其它轴封结构

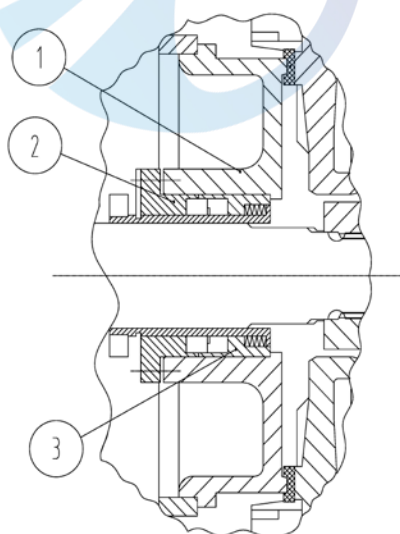
### (1) 金属减压盖的副叶轮密封结构

Metal pressure relief cover with impeller seal structure



- |   |       |                    |
|---|-------|--------------------|
| 1 | 填料    | Packing            |
| 2 | 金属减压盖 | Metal relief cover |
| 3 | 油杯    | Oil cup            |
| 4 | 填料压盖  | Packing gland      |
| 5 | 水封环   | Water seal ring    |
| 6 | 填料垫   | Packing seat       |
| 7 | 副叶轮   | Expeller           |

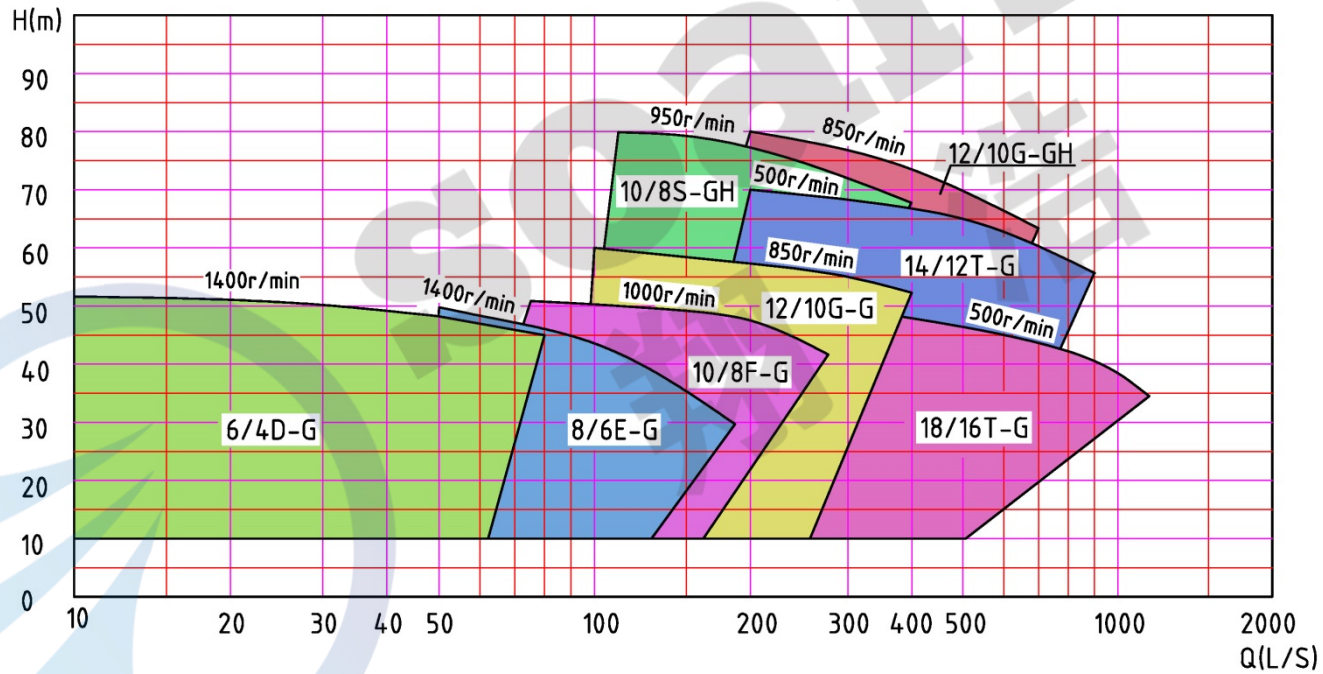
### (2) 机械密封结构 Mechanical seal structure



- |   |       |                          |
|---|-------|--------------------------|
| 1 | 机械密封箱 | Mechanical seal box      |
| 2 | 静环组件  | Stationary ring assembly |
| 3 | 动环组件  | Movable ring assembly    |

- 型谱 Selection Chart

G(GH) 型砂砾泵型谱  
Type G(GH) Gravel Pump Selection Chart



注：清水近似性能，仅供初步选型用。

NOTE: Apprximate performance for clear water, to be used for primary selection only.

• 性能参数表 Performance List

型号 Type	允许最大功率 Allowable mating MAX. power (KW)	清水性能 Clear water performance						许过最大粒径 MAX. Diameter of flowed particle (mm)	泵重 Pump weight (kg)
		流量 Capacity		扬程 Head (m)	转速 Speed (r/min)	效率 Eff (%)	汽蚀余量 NPSHr (m)		
		(m3/h)	(l/s)						
6/4D-G	60	36~252	10~70	3.5~51	600~1400	30~50	2.5~3.5	82	460
8/6E-G	120	136~576	38~160	10~48	800~1400	50~60	3~4.5	127	1120
10/8F-G	260	216~979	60~272	13~50	500~1000	45~65	3~7.5	178	2250
10/8S-G	560	216~979	60~272	13~50	500~1000	45~65	3~7.5	178	2285
10/8S-GH	560	360~1296	100~360	28~80	500~950	60~72	2~5	180	3188
12/10F-G	260	360~1512	100~420	11~58	400~850	50~70	2~4.5	220	3320
12/10G-G	600	360~1512	100~420	11~58	400~850	50~70	2~4.5	220	4450
12/10G-GH	600	612~2232	170~620	28~78	350~700	60~73	2~8	210	4638
14/12G-G	600	504~3168	140~880	6~66	300~700	60~68	2~8	241	5400
16/14TU-GH	1200	324~3600	90~1000	26~70	300~500	60~73	3~6	230	12247
18/16T-G	1200	864~3816	240~1060	9~48	250~500	60~72	3~6	254	



