

GK2:1 HIGH PRESSURE 50 STAINLESS STEEL SERIES PNEUMATIC DIAPHRAGM PUMP DETAILS

PRODUCT SPECIFICATIONS



Technical Specifications	
Max. Working Pressure	13 bar
Max Flow Rate	20m ³ /h
Max Reciprocating Speed	100 cpm
Max Suction Height (Dry)	5m
Max permitted Grain	0.24in. (6mm)
Max Air Consumption	75L/s
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	2 in.
Fluid Outlet Size	2 in.

Product Overview

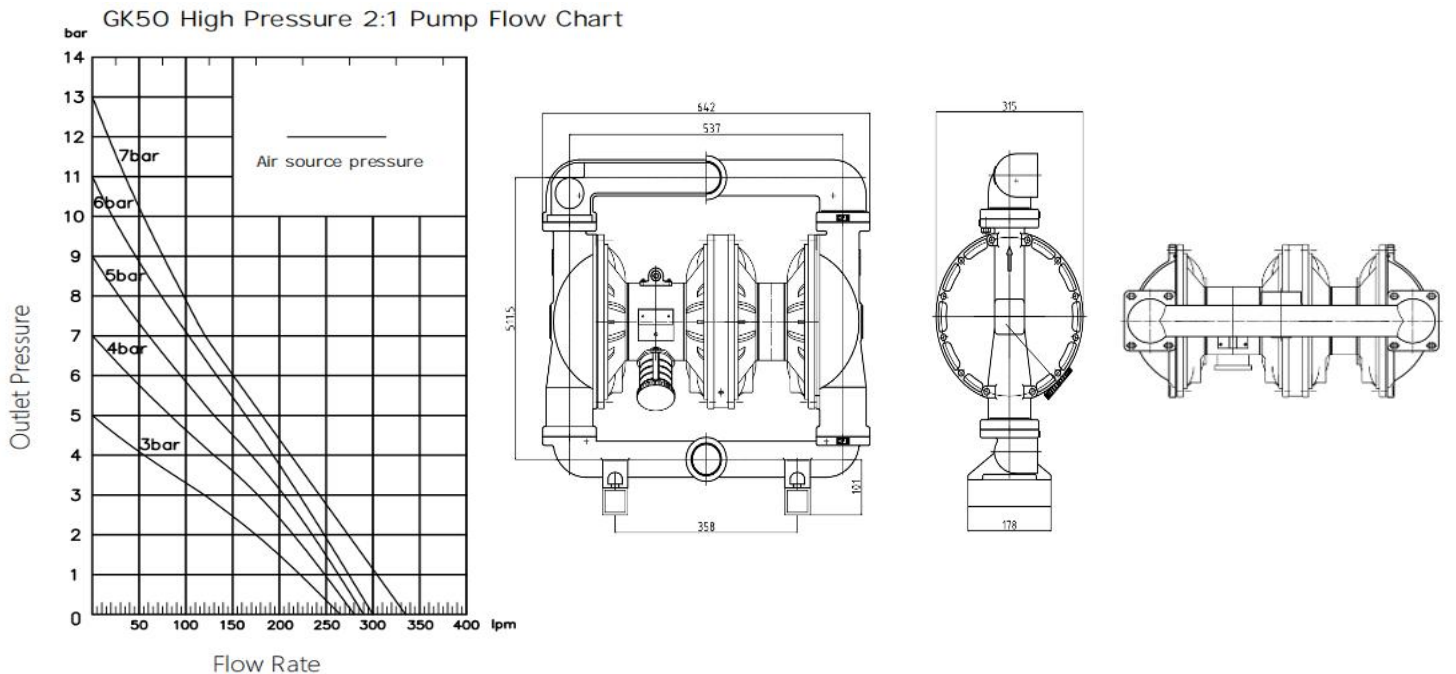
GinKai 2:1 High Pressure Series

Ginkai 2:1 high-pressure diaphragm pump is designed to deliver significantly higher output pressure and greater head delivery under typical diaphragm pump operating conditions. It eliminates the need for external boosters or amplifiers in the pipeline system to achieve high-pressure transfer objectives.

Suitable for installation in various specialized environments, this pump is capable of handling media that conventional pumps cannot, with consistently reliable performance.

Key Advantages:

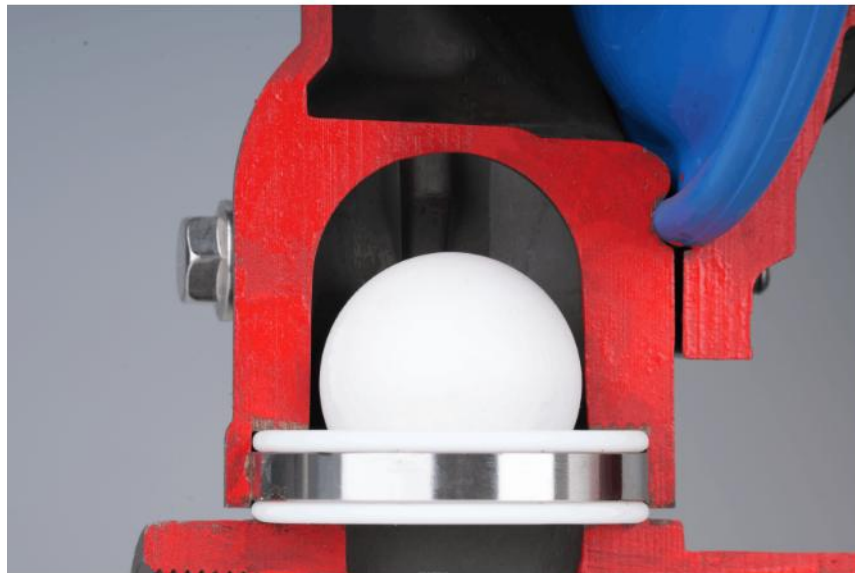
1. Doubles the pressure while maintaining full flow capacity.
2. Heavy-duty reinforced construction using durable structural materials.
3. Ice-resistant and dead-center-free air valve design for reliable operation.
4. High reliability under frequent start/stop cycling.
5. Fully bolted structure prevents leakage and reduces maintenance costs.



Our Advantages

Our advantages

- High-end imported diaphragm
- Low friction pump shaft
- Patent air valve cover
- Pilot type air motor
- large volume flow chamber
- Integrated diaphragm block
- High quality hardware
- Three port design



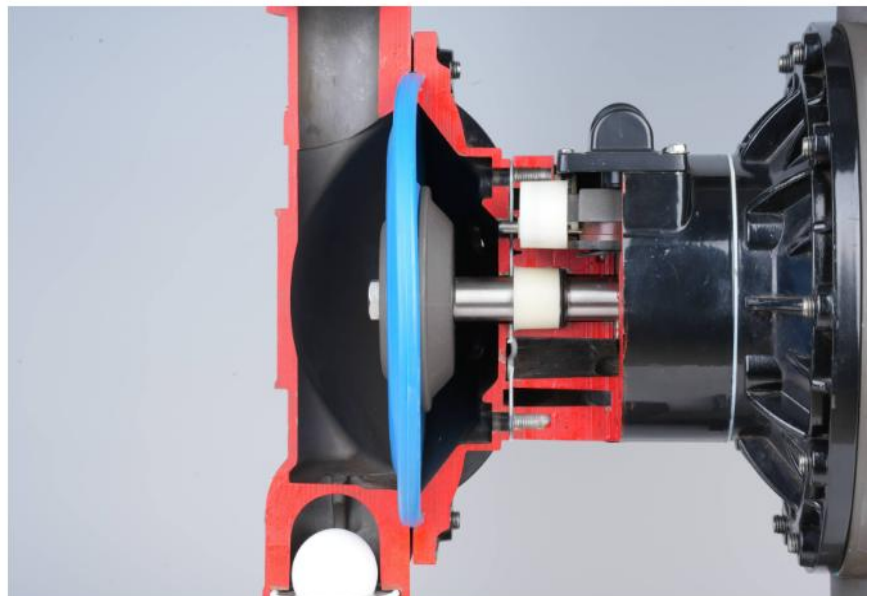
Better sealing and ball life

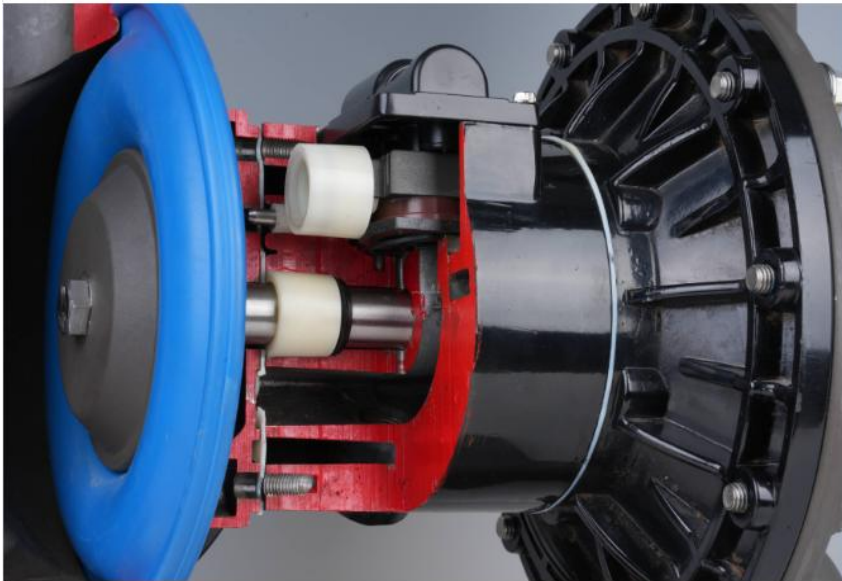
- The ball is twice grinded by professional machine
- Half-arc ball chamber design
- Reversible and reusable Valve seat

Thus assuring better sealing and ball life, reducing maintenance costs.

Large volume flow chamber

- The inner and outer surfaces of are hardened to make the fluid flow smoothly.
- The pump shaft has been grinded and hardened for low friction, high wear and corrosion resistance.
- The diaphragm block is integrated to avoid leakage.





Pilot type air motor

-Valve parts using anti-corrosion, wear-resistant and well self-lubricating material to reduce the air consumption.

-Patent air valve cover

The specially designed patented structure of the air valve cover can generate downward pressure to prevent the air guide switch from falling off during operation and causing a crash.

High quality hardware

- Outer hexagon all stainless steel with flange screws, better stability than the inner hexagon screws.



Model Example:

GK-P-25 P K F F - F

GINKAI

系列 Series	口径 Size	泵体 Body	阀座 valve seat	球 Ball	膜片 Diaphragm	连接方式(仅塑料泵) Connection (only for plastic pumps)
GK-A 铝合中心体 Aluminum center body	06 = 1/4" (06mm) 10 = 3/8" (10mm) 15 = 1/2" (15mm) 20 = 3/4" (20mm)	M=Acetal (乙缩醛/AC) P=Polypropylene (聚丙烯/PP) A=Aluminum (铝合金/ADC12) S=SS304 (304不锈钢) K=PVDF (聚偏氟乙烯/KY) D=Ductile Iron (球墨铸铁/DI) L=SS316 (316不锈钢) G=SS316L (316不锈钢)	F=PTFE (聚四氟乙烯) M=Acetal (乙缩醛/AC) S=SS304 (304不锈钢) L=SS316 (316不锈钢) H=Hytrel (聚醚/HY) T=Santoprene (三道/SP) V=Viton (氟橡胶/VT) P=Polypropylene (聚丙烯/PP) K=PVDF (聚偏氟乙烯/KY) G=SS316L (316L 不锈钢)	F=PTFE (聚四氟乙烯) C=Ceramic (陶瓷) S=SS304 (304不锈钢) L=SS316 (316不锈钢) H=Hytrel (聚醚/HY) T=Santoprene (三道/SP) B=Buna N (丁腈/BN) V=Viton (氟橡胶/VT) E=EPDM (三元乙丙) G=SS316L (316L 不锈钢)	F=PTFE (聚四氟乙烯) H=Hytrel (聚醚/HY) T=Santoprene (三道/SP) B=Buna N (丁腈/BN) V=Viton (氟橡胶/VT) E=EPDM (三元乙丙)	F=Flange 法兰 T=Threaded 螺纹