

GK15 FULLY PTFE SERIES PNEUMATIC DIAPHRAGM PUMP DETAILS

PRODUCT SPECIFICATIONS



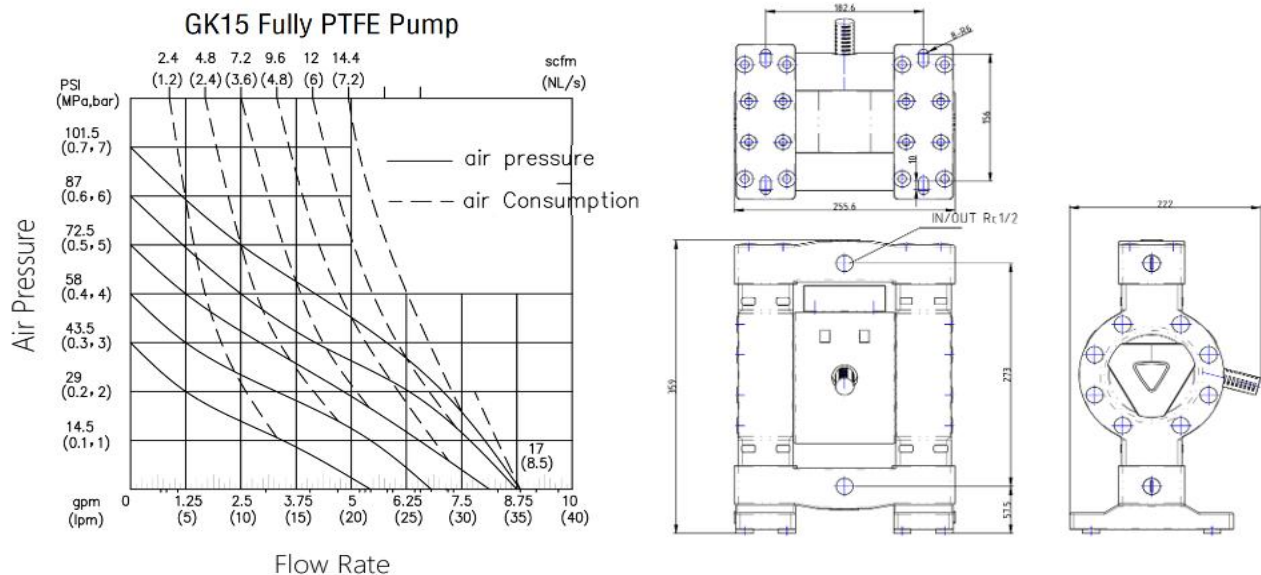
Technical Specifications	
Max. Working Pressure	100 psi(0.7Mpa,7bar)
Max Flow Rate	13 gpm(50 lpm)
Max Reciprocating Speed	400 cpm
Max Suction Height (Dry)	4.5m
Max permitted Grain	2.5mm
Max Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2 in.
Fluid Outlet Size	1/2 in.
Weight	15kg

Product Overview

GinKai Fully PTFE Series

Performance Features:

1. Since there are no electrical components, the PTFE pneumatic diaphragm pump does not generate sparks during operation, making it highly suitable for use in potentially explosive environments.
2. Made entirely of PTFE material, it performs exceptionally well when handling strong acids and alkalis.
3. The fluoroplastic-lined bolts are concealed within PTFE plugs, providing enhanced corrosion resistance in extreme conditions.
4. The universal design of the upper and lower covers facilitates easy maintenance and simple assembly.
5. The integrated composite diaphragm allows for continuous operation exceeding 2,000 hours.
6. CNC-machined components ensure high assembly precision, offering superior sealing performance compared to injection-molded parts.



Product Introduction: Ginkai Fully PTFE Pneumatic Diaphragm Pump

The Ginkai Fully PTFE (Polytetrafluoroethylene) Pneumatic Diaphragm Pump is engineered entirely from PTFE material, delivering exceptional corrosion resistance and high-temperature performance. It is widely utilized across critical industries such as chemical processing, electronic circuit manufacturing, and pharmaceuticals.

I. Performance Features:

- Explosion-Proof Safety:** With no electrical components, the pump generates no sparks during operation, making it ideally suited for use in hazardous and potentially explosive environments.
- Superior Chemical Resistance:** Constructed entirely from PTFE, it offers outstanding performance when handling aggressive fluids, including strong acids and alkalis.
- Enhanced Corrosion Protection:** The fluoroplastic-lined bolts are recessed within PTFE plugs, providing superior corrosion resistance in even the most extreme conditions.
- Easy Maintenance:** Features a universal design for the upper and lower covers, simplifying disassembly, maintenance, and reassembly.
- Durable Diaphragm:** The integrated composite diaphragm ensures an extended service life, allowing for continuous operation exceeding 2,000 hours.
- Precision Sealing:** Utilizing CNC-machined components guarantees high assembly precision and offers sealing performance far superior to injection-molded parts.

II. Structural Characteristics:

- Pump Chamber:** Features a robust and sturdy construction with a streamlined flow path design to minimize fluid resistance and pressure drop.
- Center Section:** An integrated one-piece structure ensures enhanced durability and reliable, long-term operation.
- Diaphragm:** The one-piece composite diaphragm is engineered for extended service life and sustained performance under demanding conditions.
- Ball Valve System:** Incorporates a rugged valve ball and a "squirrel-cage" style ball seat, which provides linear sealing for reliable check valve operation and durability.
- Inlet & Outlet Ports:** The ports are of a one-piece construction for high strength and easy connection/disconnection. Multiple port orientation options are available to facilitate flexible on-site installation and piping layout.

The Ginkai All-PTFE Pump combines advanced material science with precision engineering, making it a dependable and efficient solution for handling the most challenging corrosive fluids.

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) 25 = 1" (25mm) 40 = 1 1/2" (40mm) 50 = 2" (50mm) 80 = 3" (80mm)	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 (316L不锈钢) F=PTFE / Teflon (聚四氟乙烯)	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=Hydrel (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=Hydrel (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=Hydrel (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