

GK-FDA-50 SANITARY SERIES PNEUMATIC DIAPHRAGM PUMP DETAILS (CLAMP CONNECT)

Model	GK-FDA50 Sanitary Pneumatic Diaphragm Pump
Max. Working Pressure	72Psi (0.5Mpa, 5bar)
Max.Flow Rate	120gpm (455 Lpm)
Max.Reciprocating Speed	135Cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	6mm
Max.Air Consumption	40L/s
Weight	Stainless Steel 63kg

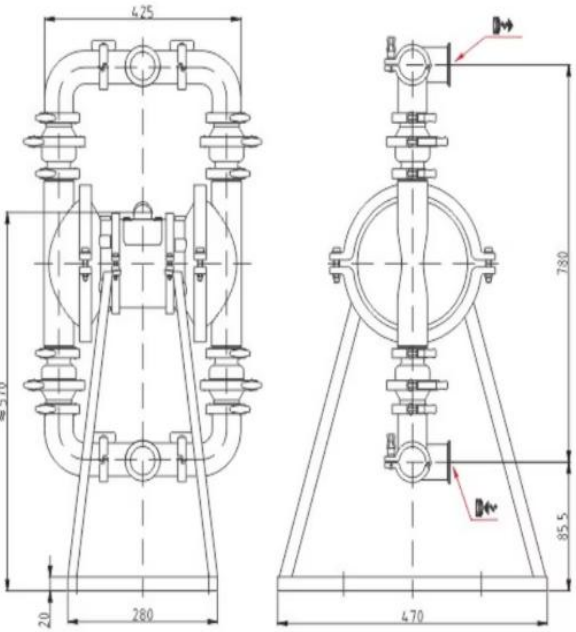
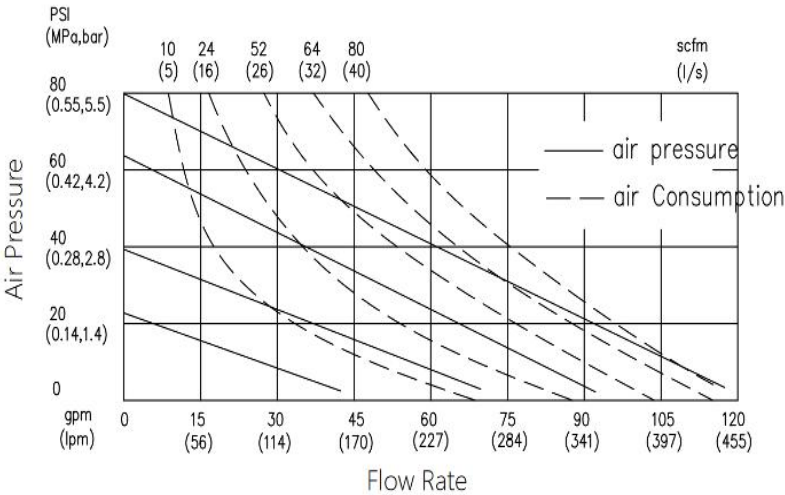


Product Overview

GinKai FDA Sanitary Pump Series

The GK Hygienic Pneumatic Diaphragm Pump was developed for hygienic grades and is used primarily in the food and pharmaceutical industries. This pump is ideal for applications where the surface of the device is required to achieve an electro polished 32Ra. The clamp is designed with easy removal. The pump body is made of food grade stainless steel, the diaphragm material is food grade Teflon or EPDM rubber, and the fluid contact area is in compliance with FDA standards.

GK-FDA-50 Technical Curve



Performance Introduction

Our Pneumatically Operated Sanitary Diaphragm Pump from GK combines innovative engineering with strict hygienic design to deliver outstanding performance and reliability. Key advantages include:

- **Compact and Robust Construction:** Featuring an integrated body design that houses the pneumatic mechanism within a sturdy casing, ensuring a compact form with high rigidity and simplified mounting.
- **Efficient and Maintenance-Free Operation:** Utilizes compressed air for power, providing inherent explosion-proof safety, energy efficiency, and smooth variable flow control without the need for complex electrical components.
- **Precision Engineering for Durability:** The reciprocating mechanism is supported by low-friction components, reducing wear and simplifying upkeep. The diaphragm stroke is optimized to minimize stress, significantly extending diaphragm service life.
- **Hygienic Design and Compliance:** All wetted parts are crafted from food-grade stainless steel (available in 304, 316, or 316L), meeting FDA standards. Surfaces are precision-finished to a 32Ra mirror smoothness for easy cleaning and prevention of bacterial buildup.
- **High-Performance Components:** Equipped with lapped valve seats for excellent sealing and roundness, along with a one-piece diaphragm guard block that offers reliable resistance to pressure and high temperatures.
- **Sanitary Configuration and Easy Maintenance:** Features tri-clamp connections for quick disassembly and cleaning. A versatile cover design allows flexible installation, while an integrated breather port ensures pressure balance between diaphragms.

FDA Sanitary Pumps Selection

Series	Bore	Body	Valve seat	Ball	Diaphragm	Connection
GK-FDA Cast iron intermedi ates	25=1" (25mm) 40=1 1/2" (40mm) 50=2" (50mm)	S=SS304 L=SS316 G=SS316L	0=None	F=PTFE S=SS304 L=SS316 G=SS316L	F=PTFE	F=Flange (flange) T=Thread (thread) C=Chuck (clamp)

***Series:Cast Iron,SS304,SS316 can be selected for air valve body.**