

PDP-3-40

Pneumatic Diaphragm Transfer Pump

Lab1st PDP series pneumatic diaphragm pumps are designed with simple and highly reliable air reversing valve, which can ensure non-stop without costly downtime. All air valve parts can be replaced without disassembling the flow part. The aluminum parts are specially treated to resist corrosion caused by unclean air. The plastic slider in the reversing valve is durable, not easy to be damaged, and does not require lubrication, which ensures smooth air passage and flexible reversing.

Features

Pumps available in a variety of sizes and applications

Various types of materials available for pump body, diaphragm, pump seat and valve ball (refer to solvent tolerance)

It adopts pilot-type air valve which can eliminate the problem of shut-down and there is no need to open internal cavity for the replacement of all parts and to lubricate air lines

Clamping reliable diaphragm plate can eliminate any leakage and drop and avoid expensive stop operation time

Wear-resisting end step bearing ensures the correct position of valve rod and is easy to replace

Diaphragm could be tightly located and it causes positive liquid sealing effect in pressure-stip forming



Parameters

Model	PDP-3-40
——TECHNICAL DATA——	
Operation Pressure [Mpa]	0.2~0.84
Ambient Temperature [°C]	5~65
Fluid Temperature [°C]	-50~100
Particle Diameter [mm]	≤3.2
Flow Rate [L/min]	≤151
Gas Consumption [m3/min]	0.67
Max. Lift [m]	84
Max. Suction [m]	5.48
——CONNECTION——	
Fluid Inlet/Outlet	1 1/2" Female
Airlet Port	1/4"
Air Unit Inlet/Outlet	B型 3/8" in
——MATERIAL——	
Main Body Material	Stainless Steel 304
Ball Valve	Santoprene

Diaphragm	Teflon + Santoprene
——WEIGHT DIMENSION——	
Unit Weight [Kg]	15.95
Unit Dimension [mm]	350×202×409

Packages

W (mm)	CBM (m3)
D (mm)	Weight (kg)
H (mm)	

* Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.