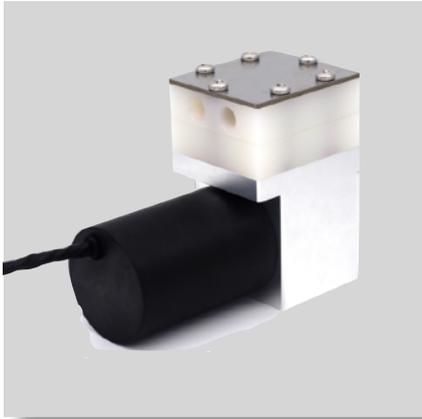


Micro Diaphragm Liquid Pump

Datasheet



Highlights

- Excellent chemical compatibility
- 1MPa sealing and pressure resistance
- Can extract oily viscous liquids
- PVDF PTFE wetted material
- IP66 protection level
- Multiple connector options
- Gas and liquid dual purpose
- Reliable self-priming

Applications

- Chemical industry
- Laboratory
- Medical equipment
- Analytical instruments

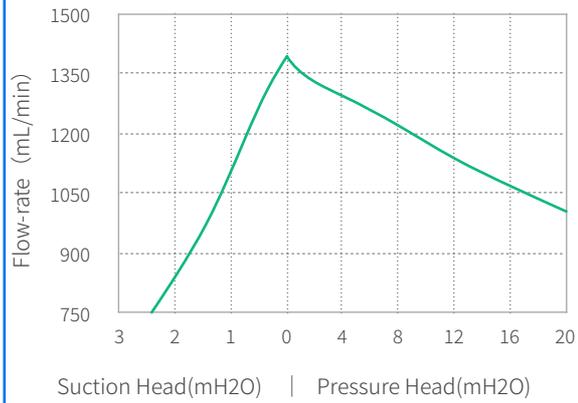
8K hours
lifetime test



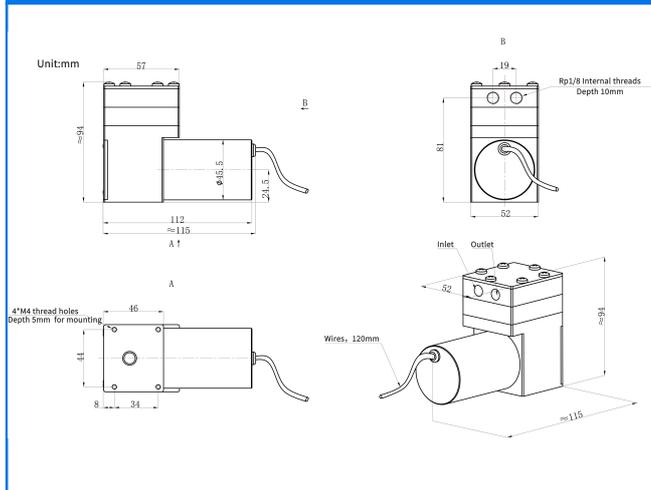
PERFORMANCE DATA

Model	Voltage (VDC)	As Liquid Pump				As Gas Pump		
		Max. Load Current (A)	Free Flow Rate (L/min)	Max. Pressure (kPa)	Suction Height (mH2O)	Max. Gas Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)
PV Material	Diaphragm:PTFE	Check valve:PTFE	Pump head:PVDF					
S33L	12	1.5	1.2	200	2	2.5	20	30
	24	1.0	1.2	200	2	2.5	20	30
This parameter is a preliminary calibration parameter before the official release of the product, and may be further revised with subsequent product releases, and is for evaluation and reference only								

S33L WITH BLDC MOTOR FLOW CURVES



S33L WITH BLDC MOTOR DIMENSIONS



ACCESSORIES		
Descriptions	Illustration	Function
Filter		The 80-mesh filter protect both pumps and other upstream instrumentation and hydraulic circuits against particulate, crystals and fibers . It is recommended to replace it regularly. This accessory comes with the pump*1
Check valve		Enhance the cut-off capability of the gas circuit system to ensure one-way gas flow. This accessory can be purchased on demand
Back pressure relief valve		Back pressure safety valve, when the back pressure exceeds the safety range, it will open to relieve the pressure to protect the the liquid system and the pump from overpressure damage . This accessory is available for purchase on demand
Manual control valve		It can be used to manually adjust the gas flow rate, pressure and vacuum. This accessory can be purchased on demand
DC power adapter		220V AC to DC switching power supply, this accessory can be purchased on demand
BLDC speed control module		This module uses open-loop or closed-loop PWM control logic to control the pumping speed through knobs, voltage, Modbus, frequency and other signal protocols.



To be a driving force in innovation of human fluid technology

Create value for customers by offering high quality fluid solutions

This document is for reference only and does not constitute any promise or guarantee. The parameters and experimental data indicated in this document come from Hilintec life and aging laboratory and supplier laboratories. In the actual user system, due to differences in actual usage conditions and experimental conditions, relevant value will change accordingly. Due to product improvement needs, the parameters may be adjusted without notice. Please contact the manufacturer or agent for confirmation before purchasing. The trademarks, pictures, and logos in this document are owned by Chengdu Hailin Technology Co., Ltd. or a third party with legal rights.

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