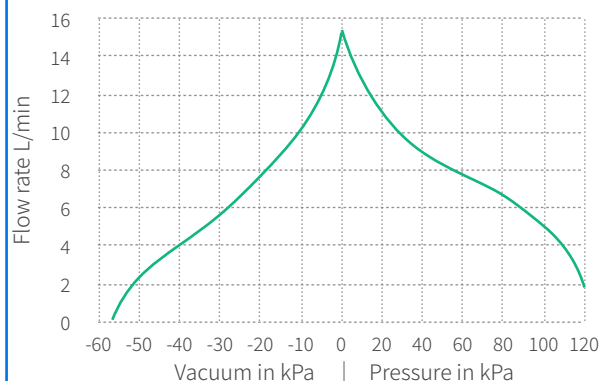




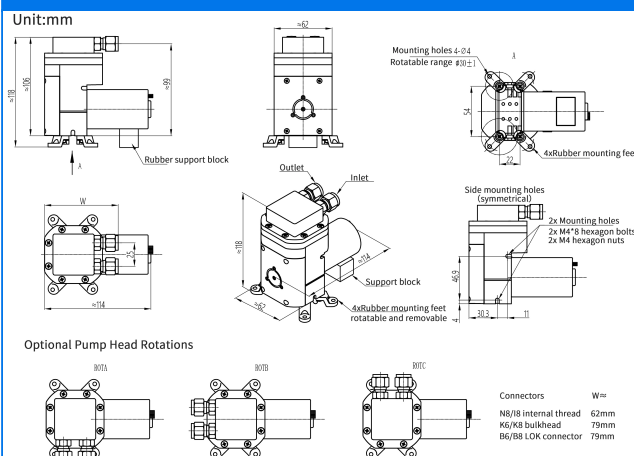
CONFIGURATION OPTIONS				
Material Options	Pump Head	Diaphragm	Valves	Seals
EG Combination	Stainless steel	EPDM	EPDM	EPDM
Motor Options	BLDC			
Voltage	12/24V DC	12/24V DC		
Connector Options				
	Default I8 Rp1/8 internal thread connector/K6 bulkhead quick connector/K8 bulkhead quick connector/ B8 LOK compression fitting/ B6 LOK compression fitting			

RELIABILITY DATA			
Models	D50TS		
Versions	Standard with BLDC Motor		
Fully Loaded Lifetime (hrs)	8000*		
Unloaded Lifetime (hrs)	12000*		
Motor Lifetime (hrs)	15000*		
Test conditions	<p>Fully-loaded lifetime: Pumps are fully loaded under rated voltage ,the inlet is blocked, and the outlet is directly connected to the atmosphere; the fully-loaded lifetime represents the continuous operating life under the most extreme and harsh working conditions. When the actual working condition is intermittent use or the working pressure is lower than the maximum rated pressure, the product lifetime will approach the unloaded lifetime;</p> <p>Unloaded lifetime: Both the inlet and the outlet of the pump are connected to the atmosphere, and the pump operates continuously for 7*24 hours without stopping;</p> <p>Motor lifetime: The motors run continuously for 7*24 hours without load under good ventilation and heat dissipation conditions;</p>		
Working Condition			
Operating temperature	Permissible ambient temperature is 0°C~50°C, it is not suitable to be exposed to the sun, and it should work in a clean and ventilated environment		
Medium	Permissible temperature of the medium is 0°C~40°C, the transferring gas is allowed to be rich in water vapor, but cannot contain solid particles		
Wetted materials	<p>HS material combination has good resistance to alcohol, acid, alkali, ozone, etc. (except strong acids, concentrated acids, fats, benzene, gasoline, etc.)</p> <p>PV material combination has excellent corrosion resistance and can be used to extract strong acids, strong alkalis and various corrosive gases</p>		

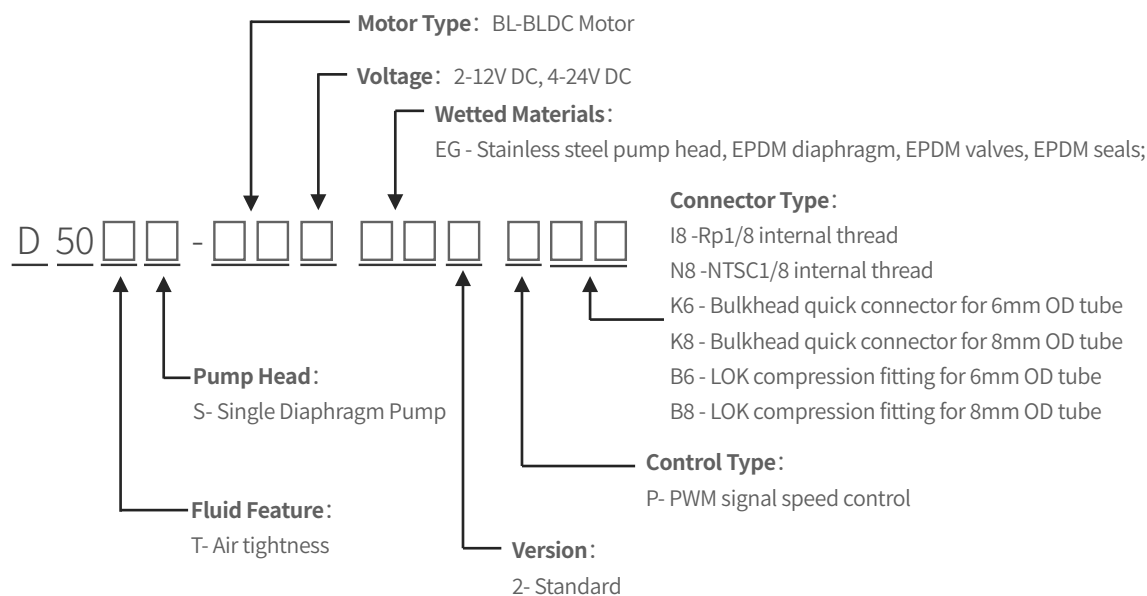
## D50TS WITH BL MOTOR FLOW PRESSURE CURVES




## D50TS WITH BL MOTOR DIMENSIONS



## D50TS MODEL KEY



ACCESSORIES		
Descriptions	Illustration	Function
Shock-isolation mounting feet		Reduce the impact of vibration on the equipment during the operation of the pump. This accessory can be purchased on demand
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 can be purchased on demand
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
Flow stabilizer		Eliminate and reduce pulsation, make gas output smooth and stable, 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.
DC power adapter		220V AC to DC switching power supply, this accessory can be purchased on demand
Silencer		It is used to eliminate and reduce the airflow noise caused by pumping operation, this accessory can be purchased on demand



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.

**Hilintec**<sup>®</sup>

[www.mini-pump.com](http://www.mini-pump.com)