

DPGL800 Gas-Liquid Mixed Pump

Specification sheet



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1 Appearance and Dimensions

1.1 DPGL800-24BS

Unit: mm

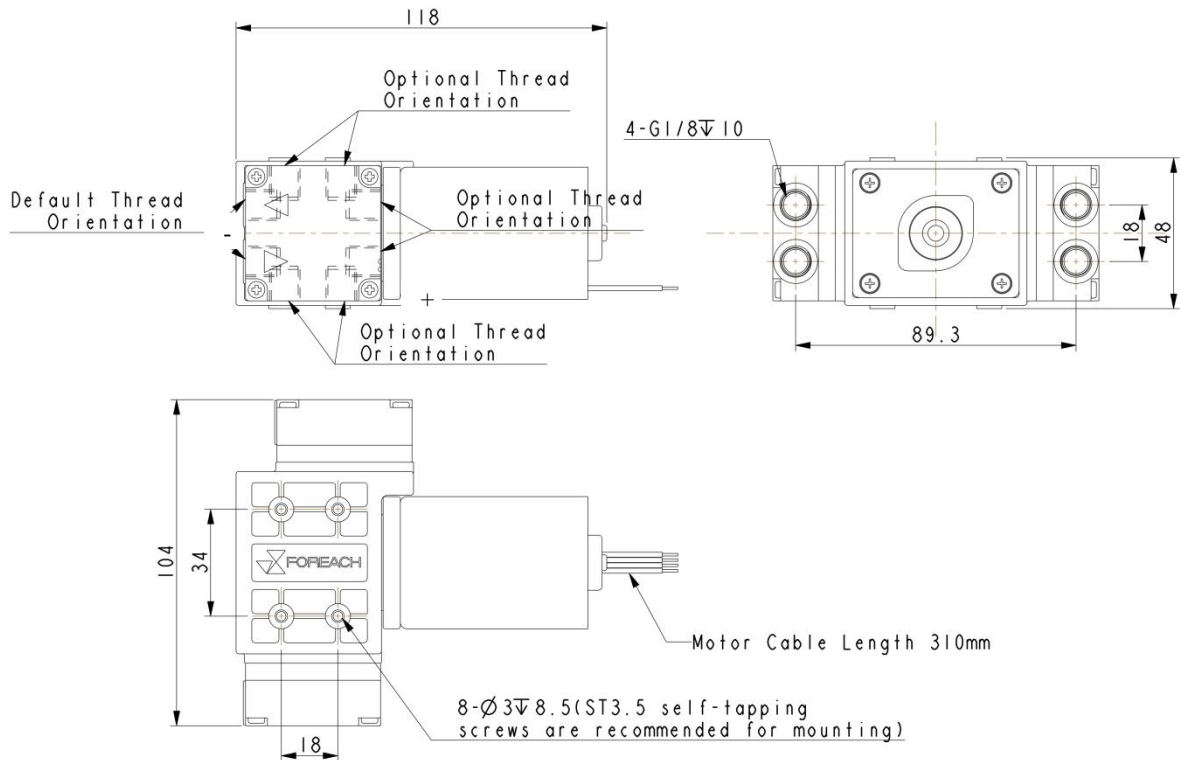


Figure 1 DPGL800-24BS Outline Dimensions

Note: When the thread orientation is consistent with the motor output shaft orientation, the designation is marked as "C"; the clockwise directions correspond to the designations "3", "6", and "9", respectively.

Table 1 Brushless Motor Electrical Specifications

Electrical Specifications		
Wiring	Color	Function Description
VCC	Red	Power positive
GND	Black	Ground
Other Wiring Functions (If Required)		
Wiring	Color	Function Description
PWM	Blue	PWM signal for speed control (when left floating, the motor runs at full speed by default)
FG	Green	Speed feedback signal (Speed = FG frequency × 10)

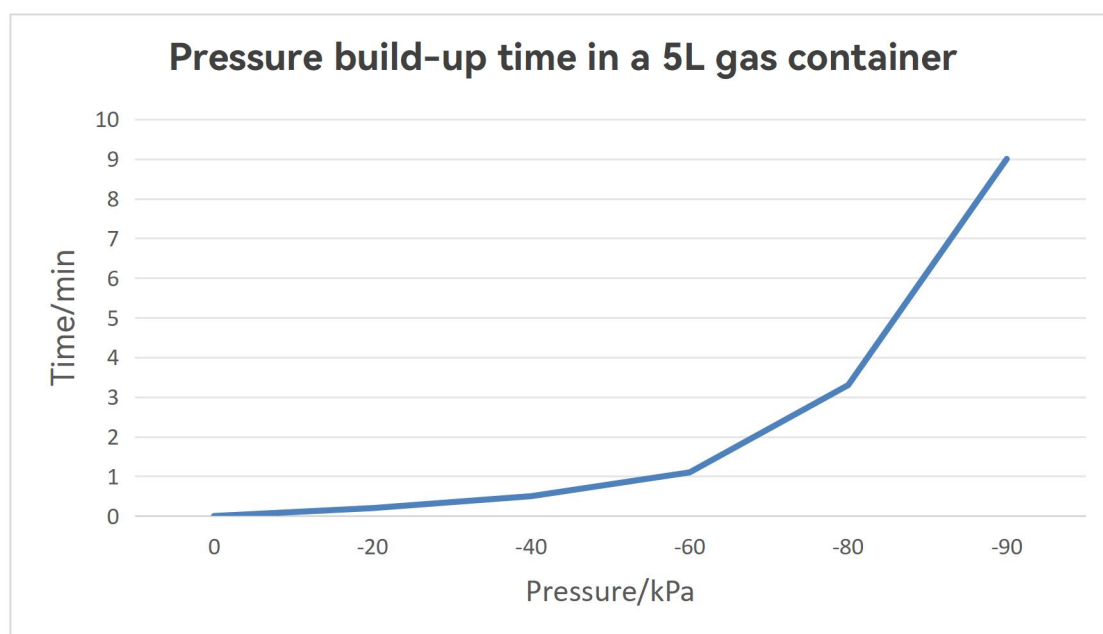
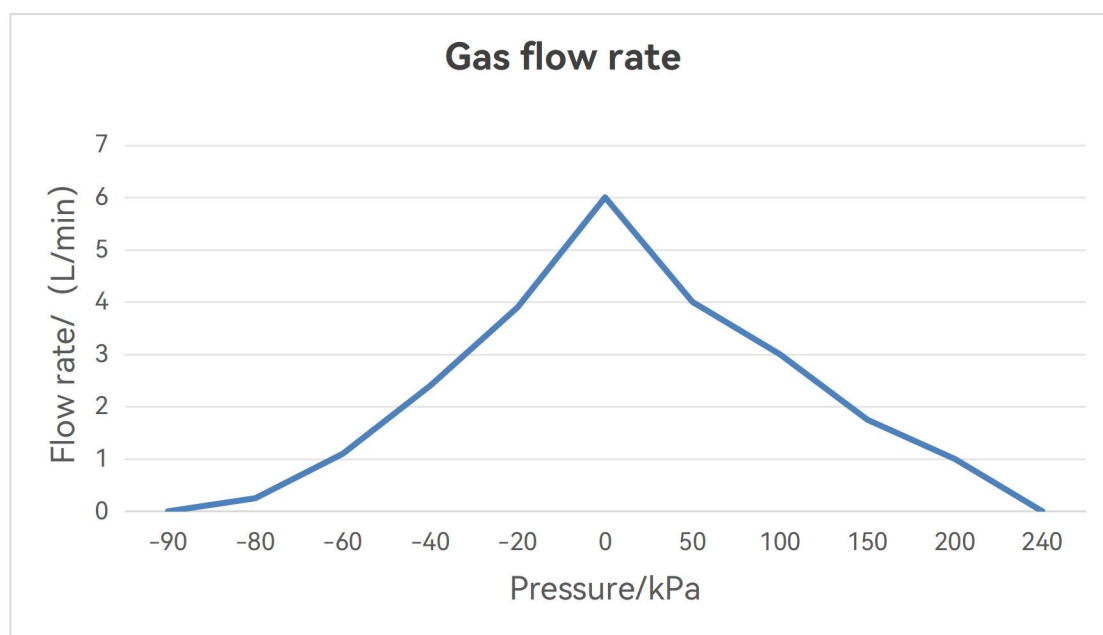
2 Specifications

Table 2 Technical Parameters

Technical Parameters	
Product Model	DPGL800-24BS
Motor Type	Brushless DC Motor
Rated Voltage	DC 24V ±10%
Rated Power	≤17w
No-load Flow Rate (Single Head)	6L/min
Maximum Positive Pressure	30kPa
Maximum Negative Pressure	< -90kPa
Application Parameters	
Working Medium	Gas, gas-liquid mixture*
Medium Temperature	+5°C ~ +40°C
Ambient Operating Temperature	+5°C ~ +40°C
Operating Ambient Relative Humidity	30% ~ 85% RH (non-condensing)
Storage Ambient Temperature	-10°C ~ +40°C
Storage Ambient Relative Humidity	10%~90%RH (non-condensing)
Weight	600g
Port/Interface	G1/8 (internal thread)
Service Life	10000h(at rated voltage, continuous operation)
Media-Contacting Materials	
Pump Head	PPS
Diaphragm	EPDM / PTFE
Valve Plate	EPDM / FFKM

*Note: This pump is not suitable for pumping 100% liquid.

Flow-Pressure & 5L Pressure-Building Curve



3 Model selection table

Table 3 Model Selection Table

Model Selection Table							
No.	Product Code	Product Model	Motor Type	Voltage	Diaphragm	Valve Plate	Pump Head
1	459039	DPGL800-24BS6-EP/PS	Brushless DC Motor	24V	EPDM	EPDM	PPS
2	459040	DPGL800-24BS6-FF/PS	Brushless DC Motor	24V	PTFE	FFKM	PPS
3	459041	DPGL800-24BSC-EP/PS	Brushless DC Motor	24V	EPDM	EPDM	PPS

DPGL800	- 24	B	S	6	- EP/PS	- X
Product Series	Operating Voltage	Motor Type	Connection Type	Port Orientation	Diaphragm/Valve Plate & Pump Head Material	Special Customization
	24: DC24V	D: Brushed DC Motor	B: Barbed Port	3 - Right	EP/PS: EPDM / PPS	X: Custom code
	12: DC12V	B: Brushless DC Motor	S: Threaded Port	6 - Down	FF/PS: PTFE + FFKM / PPS	
		C: Coreless Motor		9 - Left		
				C - Up(default,omitted)		

Example:

DPGL800-24BS6-EP/PS: Flow rate 6 L/min, rated voltage 24V, brushless DC motor, threaded port connection, port orientation downward, diaphragm/valve plate material EPDM, pump head material PPS.

4 Appendices

4.1 Appendix : Tables and Figures

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Figure 1 DPGL800-24BS Outline Dimensions 3

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