

DPL30 Diaphragm Pump

Specification sheet



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1 Appearance and Dimensions

1.1 DPL30-24(12)DB

Unit: mm

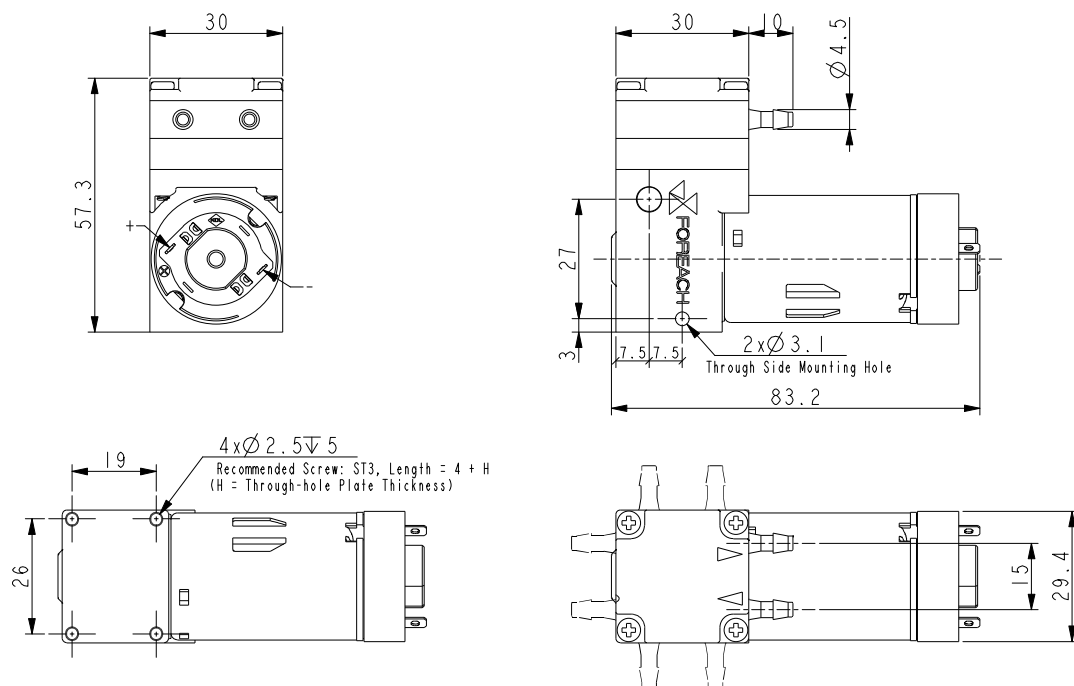


Figure 1 DPL30-24(12)DB Outline Dimensions

Table 1 Electrical Specifications

Electrical Specifications	
Label	Function Description
+	Positive Terminal
None	Negative Terminal

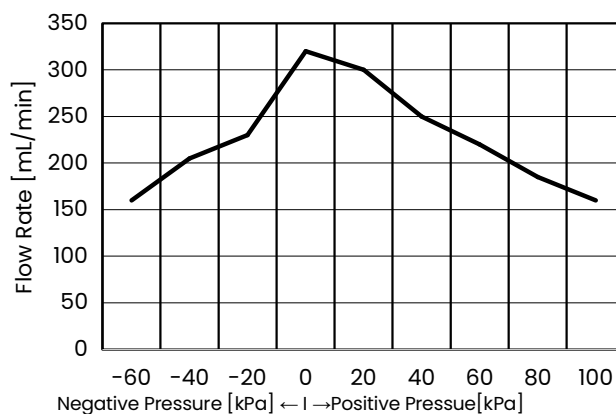
Note:

The information in this specification is based on nominal unit technical data and test results. It is considered accurate and reliable, and is provided as an aid in selecting Foreach products. Customers are responsible for determining product suitability for their intended applications and for conducting necessary tests prior to use.

2 Specifications

Table 3 Technical Specifications

Technical Specifications				
Model	DPL30-24DB	DPL30-12DB	DPL30-24BB	DPL30-12BB
Motor Type	Brushed DC	Brushed DC	Brushless DC	Brushless DC
Rated Voltage	DC 24V ±10%	DC 12V ±10%	DC 24V ±10%	DC 12V ±10%
Power	≤8w			
No-Load Flow Rate	300mL/min			
Rated Pressure	100kPa			
Self-Priming Height	6mH ₂ O			
Application Parameters				
Working Medium	Purified Water (Other liquid medium needs to be evaluated by the customer.)			
Medium Temperature Range	+5℃ ~ +80℃			
Weight	160g		185g	
Tubing Connection	Ø3.2mm ID Hose			
Lifespan	3000h(Rated Voltage, Continuous Operation)		10000h(Rated Voltage, Continuous Operation)	
Noise	≤80dB			
Operating Temperature	+5℃ ~ +40℃			
Operating Humidity	30%-85% RH (non-condensing)			
Storage Temperature	-10℃ ~ +40℃			
Storage Humidity	10%-90% RH (non-condensing)			
Material Options				
Pump Head	PPS			
Diaphragm	EPDM/PTFE			
Valves	EPDM/FFKM			
Flow Rate - Pressure Curve				



3 Ordering Information

Table 4 Order List

Product Model Information List							
No.	Product Code	Product model	Motor Type	Rated Voltage	Diaphragm	Valve	pump head
1	459001	DPL30-24DB-EP/PS	Brushed DC	24V	EPDM	EPDM	PPS
2	459002	DPL30-24BB-EP/PS	Brushless DC	24V	EPDM	EPDM	PPS
3	459013	DPL30-12DB-EP/PS	Brushed DC	12V	EPDM	EPDM	PPS
4	459014	DPL30-12BB-EP/PS	Brushless DC	12V	EPDM	EPDM	PPS
5	459025	DPL30-24DB-FF/PS	Brushed DC	24V	PTFE	FFKM	PPS
6	459026	DPL30-24BB-FF/PS	Brushless DC	24V	PTFE	FFKM	PPS
7	459027	DPL30-12DB-FF/PS	Brushed DC	12V	PTFE	FFKM	PPS
8	459028	DPL30-12BB-FF/PS	Brushless DC	12V	PTFE	FFKM	PPS

DPL30-	24	D	2	B	C	-EP/PS	-X
Product Series	Operating Voltage	Motor Type	Cable Outlet Type	Connection Type	Connection port direction	Diaphragm/ Housing material	Special Customization
	24: DC 24V	D: Brushed DC	3: 3-wire cable	B: Barbed	3 - Right	EP/PS: EPDM/PPS	X: Custom
	12: DC 12V	B: Brushless DC	5: 5-wire cable	Port	6 - Down	FF/PS: PTFE+FFKM/PPS	Code
		C: Coreless Motor	2: 2-wire cable	S: Threaded	9 - Down		
		BP: Brushless DC (External PWM Control)	(Default ignored)	Port	C - Up (Default ignored)		

For example:

DPL30-24DB-EP/PS: Flow rate: 300 mL/min; Rated voltage: 24V DC; Equipped with a brushed DC motor; Straight barbed connector with upward orientation; EPDM diaphragm and PPS pump head.

4 Appendices

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Figure 2	DPL30-24(12)BB Outline Dimensions.....	4

Flowchart area with 24 horizontal dotted lines for drawing.