

Hilintec[®]

Micro Vacuum Pumps, Compressors, Liquid Pumps

Product Catalog

Specialized in industry -grade OEM pumps

Chengdu Hilin Technology Co., Ltd.
www.mini-pump.com

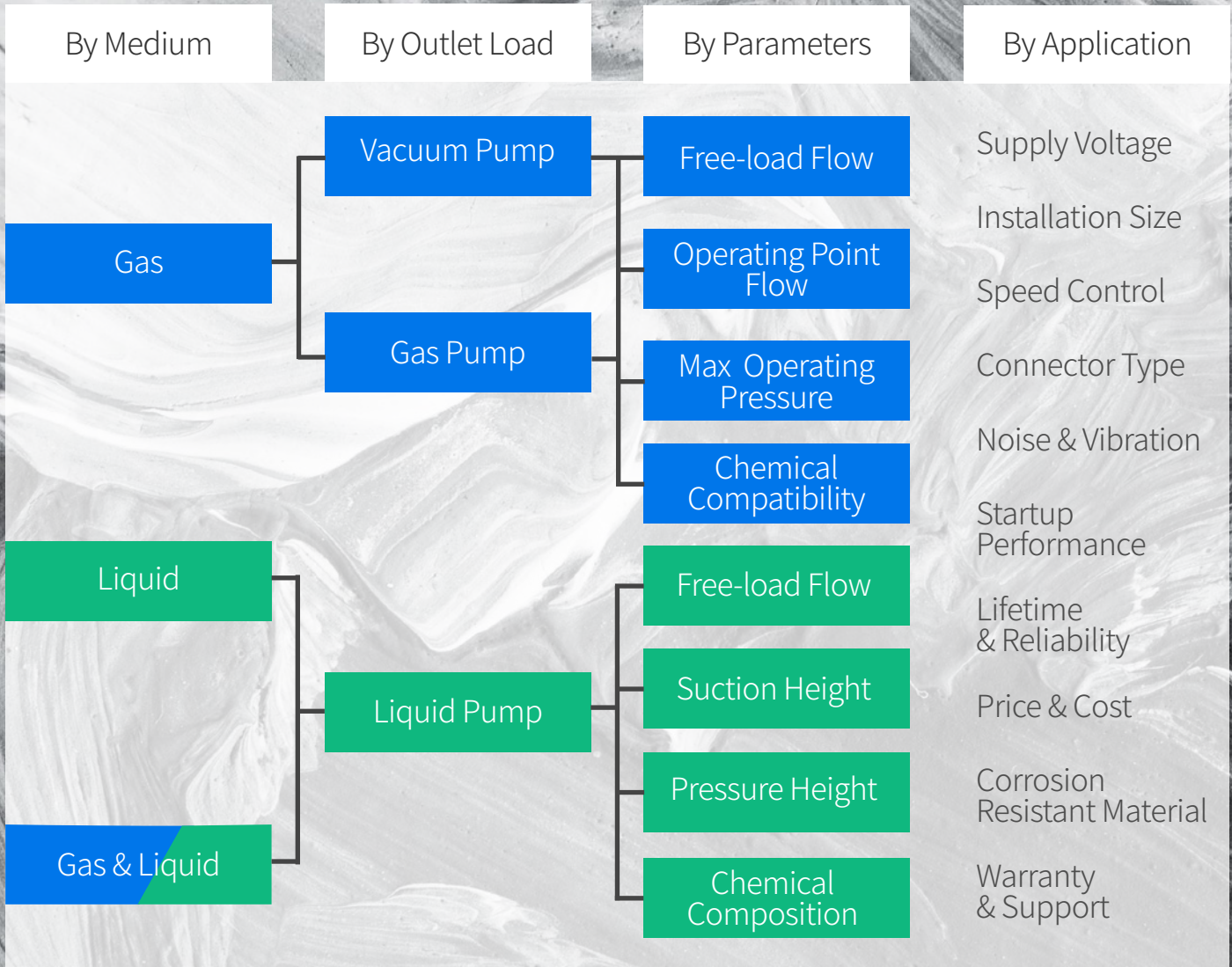
About Hilintec

Our company focuses on the R&D and manufacturing of micro-diaphragm gas pumps, micro-diaphragm liquid pumps, micro-piston pumps and other micro-pumps, valves and other fluid solutions. Since our establishment, we have taken "create value for customers by offering high quality fluid solutions" as our corporate mission. We continue to develop and innovate, with excellent product quality, fast response and service, and first-class technology R&D capabilities, so that we enjoy a good reputation in the micro pump and valve industry.

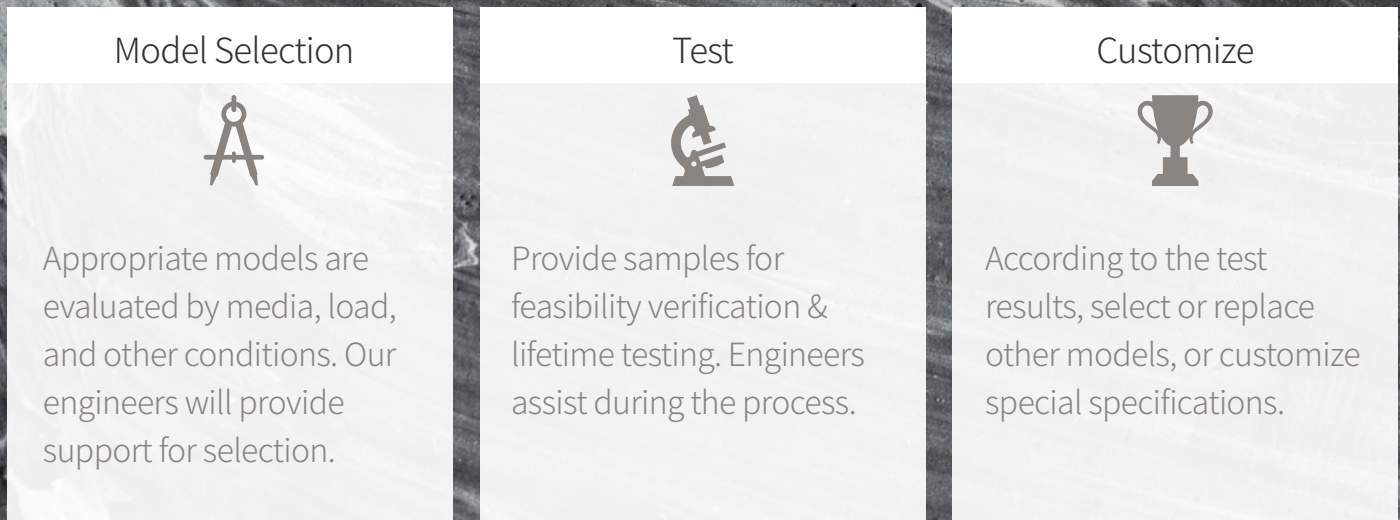
History

- 2016
Constructed a new production R&D base located in the Southwest Airport Economic Development Zone
- 2017
Established the brand of Hilintec and made its debut in micro pump market
- 2018
Completed a new generation product line and passed the EU CE EMC certification
- 2019
Successfully developed and marketed a new generation C/D/S series of micro pumps
- 2020
Passed ISO9001 Quality System Certification

How to Select a Hilintec Micro Pump



Service Process



D08 Gas Pump



Extremely Small Size

High Pressure

BDC for Cost-effective

BLDC for Long Lifetime



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Model	Motor Option	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (mL/min)	Average Flow rate (mL/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D08L1	BDC	*	5	103	89	45	83	43x17x24
	BLDC	≥12000	12	210	175	46	80	34x25x32

*Indicates that adopts different test methods, starts and stops 13,000 times under the fully-loaded.

D11 Gas Pump



Extremely Small Size

Gas Tightness

Adjustable Flow

Pulseless Transfer



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Size (mm)
D11M	Premium	5000*	21.7	0.9	0.9	38.5x34.5x10

*Indicates that lifetime test is in progress, and the value is the estimated value of theoretical design.

D16 Gas Pump



High Pressure

Modular Connector

Restartable under Max Pressure

Low EMI



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D16M	Standard	1000	24	5	2.8	80	520	133x47x83

D15 Gas Pump



Small Size

Wide Voltage

Low Noise & Vibration

BLDC for Long Lifetime



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D15S	Simplified	≥5000	3.2~6	≥0.4	≥0.4	≥18	≥22	50x29x36
	Standard	≥8000	3.2~6	≥0.4	≥0.4	≥18	≥22	50x29x36
	Premium	≥12000	3.2~6	≥0.4	≥0.4	≥18	≥22	50x29x36

D17 Gas Pump



Small Size

BDC for Cost-effective

Wide Voltage

Premium BDC



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D17L	Simplified	3000	12	≥1.0	≥0.6	≥36	≥45	68x29x36
	Simplified	3000	5	≥0.6	≥0.4	≥36	≥45	68x29x36
D17S	Simplified	3000	12	≥0.5	≥0.3	≥17	≥20	68x29x36
	Simplified	3000	5	≥0.3	≥0.25	≥17	≥20	68x29x36

D25 Gas Pump



High Gas Tightness

BDC for Cost-effective

Wide Voltage

Premium BDC



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D25S	Simplified	≥5000	5	≥2	≥1.5	≥27	≥28	35x68x56
D25L	Simplified	≥5000	12	≥3	≥2.4	≥27	≥28	35x68x56

D23 Gas Pump



Extremely
Low Noise & Vibration

High Gas Tightness

Various
Corrosion Resistance

BLDC for Long Lifetime



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D23S	Simplified	≥5000	12	≥0.8	≥0.5	≥9	≥10	35x51x56
	Standard	≥8000	12	≥0.8	≥0.5	≥9	≥10	35x51x56
	Premium	≥12000	12	≥0.8	≥0.5	≥9	≥10	35x51x56
D23L	Simplified	≥5000	12	≥1.3	≥0.95	≥15	≥17	35x51x56
	Standard	≥8000	12	≥1.3	≥0.95	≥15	≥17	35x51x56
	Premium	≥12000	12	≥1.3	≥0.95	≥15	≥17	35x51x56

D35 Gas Pump



Various
Corrosion Resistance

Modular Connector

Small Size
High Pressure

BLDC for High Reliability

Various Flow
Control Options

Cost-effective



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D35S	Premium	≥12000	24	≥3.0	≥1.8	≥30	≥40	89x48x69
	Premium	≥12000	12	≥2.0	≥1.6	≥30	≥40	89x48x69
D35L	Premium	≥12000	24	≥4.0	≥2.4	≥35	≥58	89x48x69
	Premium	≥12000	12	≥3.6	≥2.2	≥35	≥58	89x48x69
D35H	Standard	≥3500	24	≥7.0	≥4.1	≥55	≥135	91x48x69
	Standard	≥3500	12	≥7.0	≥4.0	≥55	≥130	91x48x69

This series has three different versions: Simplified, Standard and Premium, for different load lifetime.

Please refer to the data sheet for details.

D27 Gas Pump



Smooth Flow
No Pulsation

Various Flow
Control Options

Replacement for
Rotary Vane Pump

BLDC for Long Lifetime



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
D27E	Standard	5000	24V	≥3.7	≥3.7	≥35	91x39x40
	Standard	5000	12V	≥3.7	≥3.7	≥35	91x39x40

D50 Gas Pump



Modular Connector

Various Flow
Control Options

Various
Corrosion Resistance

BLDC for Long Lifetime



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D50S	Premium	≥10000	24	≥11	≥6.8	≥45	≥85	148x80x94
D50L	Premium	≥10000	24	≥15	≥10	≥50	≥100	148x80x94
D50H	Premium	≥9000	24	≥22	≥15	≥62	≥120	148x80x96

D60 Gas Pump



Modular Connector

Various Flow
Control Options

Small Size
High Pressure

BLDC for Long Lifetime



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
D60L	Simplified	≥5000	24	≥26	≥18	≥50	≥100	182x77x128
	Standard	≥7500	24	≥26	≥18	≥50	≥100	182x77x128
	Premium	≥10000	24	≥26	≥18	≥50	≥100	182x77x128

FNY Gas Pump



Cost-effective

BLDC for Long Lifetime

Low Noise & Vibration

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
FNY4002A	Premium	≥12000	12	≥2.0	≥1.6	≥31	≥40	92x48x70
	Premium	≥12000	24	≥2.0	≥1.9	≥31	≥40	92x48x70
FNY6003A	Premium	≥12000	12	≥3.0	≥2.1	≥36	≥60	92x48x70
	Premium	≥12000	24	≥3.0	≥2.3	≥36	≥60	92x48x70

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

FKY Gas Pump



Compact Size
High Efficiency

BLDC for Long Lifetime

High Reliability

Innovative
Pneumatic without Power



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
FKY8006A	Simplified	≥5000	12	≥6.0	≥3.5	≥40	≥80	92x50x70
	Simplified	≥5000	24	≥6.0	≥3.5	≥40	≥80	92x50x70
	Standard	≥8000	12	≥6.0	≥3.5	≥40	≥80	92x50x70
	Standard	≥8000	24	≥6.0	≥3.5	≥40	≥80	92x50x70
	Premium	≥12000	12	≥6.0	≥3.5	≥40	≥80	92x50x70
	Premium	≥12000	24	≥6.0	≥3.5	≥40	≥80	92x50x70
FKY9009Q			Pneumatic	≥9.0	≥4.9	≥40	≥90	140x50x70

FCY Gas Pump



High Flow Rate

Modular Connector

Low Noise & Vibration

BLDC for Long Lifetime



Contact for Details

Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
FCY5015A	Simplified	≥5000	24	≥15	≥9	≥50	≥100	150x79x113
	Standard	≥8000	24	≥15	≥9	≥50	≥100	150x79x113
	Premium	≥12000	24	≥15	≥9	≥50	≥100	150x79x113

FAG Gas Pump



Cost-effective

Premium BDC

Small Size

Various Specifications



Contact for Details

Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Max. Pressure (kPa)	Size (mm)
FAG3003A	Simplified		12	≥3.0	≥2.0	≥25	≥30	109x40x63
	Simplified		24	≥3.0	≥2.0	≥25	≥30	109x40x63
FAG6008A	Simplified		12	≥8.0	≥5.0	≥40	≥60	109x40x63
	Simplified		24	≥8.0	≥5.0	≥40	≥60	109x40x63

C13 Vacuum Pump



Wide Voltage	Cost-effective
Small Size & Low Noise	Low Energy Consumption



Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C13L	Simplified	≥400	3.7~6	≥0.4	≥0.3	≥18	44x29x36

C09 Vacuum Pump



Low Pulsation	For Gas Sampling
Various Flow Control Options	BLDC for Long Lifetime



Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C09L	Simplified	≥2000*	24	≥1.5	≥1.3	≥37	64x43x48
	Standard	≥4500*	24	≥1.8	≥1.7	≥37	64x43x48
	Premium	≥5500*	24	≥2.0	≥2.0	≥37	64x43x48

*Indicates that the lifetime test of this series is based on the free-load state of the suction port and exhaust port.

C15 Vacuum Pump



Wide Voltage	Long Lifetime High Reliability
Small Size & Low Noise	PWM Flow Control



Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C15L	Simplified	≥5000	3.2~6	≥1.0	≥0.56	≥36	50x29x36
	Standard	≥8000	3.2~6	≥1.0	≥0.56	≥36	50x29x36
	Premium	≥12000	3.2~6	≥1.0	≥0.56	≥36	50x29x36

C26 Vacuum Pump



BLDC for Long Lifetime

Cost-effective

Modular Connector

High Reliability



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C
Series
Vacuum Pump

Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C26S	Premium	≥12000	24	≥2.0	≥1.2	≥19	91x48x69
	Premium	≥12000	12	≥1.8	≥1.1	≥19	91x48x69
C26M	Premium	≥12000	24	≥3.0	≥1.8	≥26	91x48x69
	Premium	≥12000	12	≥2.8	≥1.5	≥26	91x48x69
C26L	Premium	≥12000	24	≥3.6	≥2.4	≥30	91x48x69
	Premium	≥12000	12	≥3.6	≥2.2	≥30	91x48x69

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

C30 Vacuum Pump



Low Noise & Vibration

Modular Connector

Various Flow Control Options

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C30S	Premium	≥12000	24	≥5.0	≥3.3	≥41	91x48x69
	Premium	≥12000	12	≥4.0	≥2.5	≥41	91x48x69
C30M	Premium	≥12000	24	≥5.0	≥3.5	≥43	91x48x69
	Premium	≥12000	12	≥5.0	≥3.0	≥43	91x48x69
C30L	Premium	≥12000	24	≥6.0	≥4.1	≥48	91x48x69
	Premium	≥12000	12	≥6.0	≥3.5	≥48	91x48x69

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

C50 Vacuum Pump



BLDC for Long Lifetime

Various Flow Control Options

Modular Connector

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C50S	Simplified	≥5000	24	≥20	≥11	≥60	148x80x96
	Standard	≥7500	24	≥20	≥11	≥60	148x80x96
	Premium	≥10000	24	≥20	≥11	≥60	148x80x94
C50L	Simplified	≥5000	24	≥22	≥14.5	≥61	148x80x96
	Standard	≥7500	24	≥22	≥14.5	≥61	148x80x94
	Premium	≥10000	24	≥22	≥14.5	≥61	148x80x94

C60/61 Vacuum Pump



BLDC for Long Lifetime

High Vacuum with High Flow Rate

Modular Connector

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
C60L	Simplified	≥5000	24	≥26.5	≥17.5	≥88	181x77x129
	Standard	≥7500	24	≥26.5	≥17.5	≥88	181x77x129
	Premium	≥10000	24	≥26.5	≥17.5	≥88	181x77x128
C61L	Simplified	≥5000	24	≥42	≥26.5	≥65	182x77x128
	Standard	≥7500	24	≥42	≥26.5	≥65	182x77x128
	Premium	≥10000	24	≥42	≥26.5	≥65	182x77x128

VUY Vacuum Pump

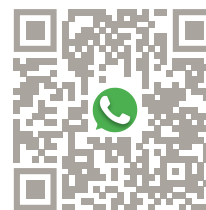


BLDC for Long Lifetime

Cost-effective

Low Pulsation

Small Size



[Contact for Details](#)

Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VUY6002A	Simplified	≥3500*	12	≥2.2	≥2	≥41	61x40x32
	Standard	≥5500*	12	≥2.2	≥2	≥41	61x40x32
	Premium	≥7500*	12	≥2.2	≥2	≥41	61x40x32

*Indicates that the lifetime test of this series is based on the free-load state of the suction port and exhaust port.

VLC Vacuum Pump



Low Noise & Vibration

BLDC for Long Lifetime

Cost-effective

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VLC8401A	Premium	≥12000	24	≥1.3	≥1.2	≥17	88x40x75
	Premium	≥12000	12	≥1.3	≥1.1	≥17	88x40x75
VLC7602A	Premium	≥12000	24	≥2.3	≥2.2	≥25	88x40x75
	Premium	≥12000	12	≥2.3	≥1.7	≥25	88x40x75
VLC6503A	Premium	≥12000	24	≥3.3	≥3.2	≥36	88x40x75
	Premium	≥12000	12	≥3.3	≥2.0	≥36	88x40x75

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

VLK Vacuum Pump



Low Noise & Vibration

BLDC for Long Lifetime

Cost-effective

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VLK5504A	Premium	≥12000	24	≥4	≥3.6	≥46	88x40x75
	Premium	≥12000	12	≥4	≥2.7	≥46	88x40x75
VLK5005A	Premium	≥12000	24	≥5	≥3.9	≥25	88x40x75
	Premium	≥12000	12	≥5	≥3.2	≥25	88x40x75
VLK4506A	Premium	≥12000	24	≥6	≥4.4	≥56	88x40x75
	Premium	≥12000	12	≥6	≥3.7	≥56	88x40x75

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

VBY Vacuum Pump



High Vacuum

BLDC for Long Lifetime

High Flow Rate

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VBY7505A	Premium	≥12000	12	≥5	≥3.5	≥75	88x40x75
VBY7506A	Premium	≥12000	24	≥6	≥4.5	≥75	88x40x75
VBY8009A	Premium	≥12000	24	≥9	≥5.0	≥80	88x50x75

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

VKY Vacuum Pump



BLDC for Long Lifetime

High Flow Rate

High Reliability

Innovative Pneumatic without Power



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VKY5008A	Premium	≥12000	12	≥8	≥4.5	≥50	92x50x72
	Premium	≥12000	24	≥8	≥4.5	≥50	92x50x72
VKY5510A	Premium	≥12000	12	≥10	≥6.0	≥55	92x50x72
	Premium	≥12000	24	≥10	≥6.0	≥55	92x50x72
VKY6013Q			Pneumatic	≥13	≥6.0	≥60	140x50x72
			Pneumatic	≥13	≥6.0	≥60	140x50x72

This series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

VCY Vacuum Pump



Low Noise & Vibration

BLDC for Long Lifetime

High Flow Rate

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VCY6020A	Simplified	≥5000	24	≥20	≥13	≥60	150x79x113
	Standard	≥8000	24	≥20	≥13	≥60	150x79x113
	Premium	≥12000	24	≥20	≥13	≥60	150x79x113
VCY6725A	Simplified	≥5000	24	≥25	≥15	≥67	150x79x113
	Standard	≥8000	24	≥25	≥15	≥67	150x79x113
	Premium	≥12000	24	≥25	≥15	≥67	150x79x113

VAG Vacuum Pump



Cost-effective

Premium BDC

High Reliability

Various Parameters



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VAG2502A	Simplified		12	≥2.2	≥2.0	≥25	109x40x63
	Simplified		24	≥2.2	≥2.0	≥25	109x40x63
VAG7010A	Simplified		12	≥10	≥6.0	≥70	109x40x63
	Simplified		24	≥10	≥6.0	≥70	109x40x63

VTY Vacuum Pump



High Vacuum

BLDC for Long Lifetime

High Flow Rate

High Reliability



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Model	Versions	Fully Loaded Lifetime (hrs)	Voltage (V DC)	Peak Flow rate (L/min)	Average Flow rate (L/min)	Max. Vacuum (-kPa)	Size (mm)
VTY9009A	Standard	≥8000*	24	≥9	≥5.0	≥90	126x40x82
VTY7611A	Standard	≥8000*	24	≥11	≥10	≥76	126x40x82
VTY7915A	Standard	≥8000*	24	≥15	≥11	≥79	126x40x82

*Indicates that lifetime test is in progress, and the value is the estimated value of theoretical design.

S17 Liquid Pump



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Model	S17S	
Lifetime as Gas Pump(hrs)	≥5000	≥5000
Lifetime as Liquid pump(hrs)	≥3000	≥3000
Voltage(V DC)	5	12
Load Current(mA)	≤200	≤70
Free Flow Rate(mL/min)	≥15	≥20
Max. Suction Height	2m H ₂ O	2m H ₂ O
Flow Rate @ Max. Suction Height	15mL/min	15mL/min
Max. Pressure Height	3m H ₂ O	3m H ₂ O
Flow Rate @ Max. Pressure Height	15mL/min	15mL/min
Gas Flow Rate(mL/min)	≥200	≥300
Max. Vacuum(-kPa)	≥17	≥17
Size(mm)	68x29x36	68x29x36

Low Noise & Vibration

Cost-effective

Wide Voltage

High Reliability

S15 Liquid Pump



Download Datasheet

Model	S15S	S15M
Versions	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000
Voltage(V DC)	3.2~6	12
Load Current(mA)	≤350	≤150
Free Flow Rate(mL/min)	≥20	≥210
Max. Suction Height	1.8m H ₂ O	1.8m H ₂ O
Flow Rate @ Max. Suction Height	15mL/min	90mL/min
Max. Pressure Height	4m H ₂ O	4m H ₂ O
Flow Rate @ Max. Pressure Height	5mL/min	30mL/min
Gas Flow Rate(mL/min)	≥200	≥200
Max. Vacuum(-kPa)	≥14	≥15
Size(mm)	50x29x36	50x29x36

Small Size & Low Noise

BLDC for Long Lifetime

Wide Voltage

High Reliability

S23 Liquid Pump



Download Datasheet

Model	S23L		
Versions	Simplified	Standard	Premium
Lifetime as Gas Pump(hrs)	≥8000	≥12000	≥18000
Lifetime as Liquid pump(hrs)	≥2500	≥6000	≥10000
Voltage(V DC)	12	12	12
Load Current(mA)	≤250	≤250	≤250
Free Flow Rate(L/min)	≥0.4	≥0.4	≥0.4
Max. Suction Height	1.4m H ₂ O	1.4m H ₂ O	1.4m H ₂ O
Flow Rate @ Max. Suction Height	0.25L/min	0.25L/min	0.25L/min
Max. Pressure Height	1.2m H ₂ O	1.2m H ₂ O	1.2m H ₂ O
Flow Rate @ Max. Pressure Height	0.2L/min	0.2L/min	0.2L/min
Gas Flow Rate(L/min)	≥0.95	≥0.95	≥0.95
Max. Vacuum(-kPa)	≥15	≥15	≥15
Size(mm)	35x51x56	35x51x56	35x51x56

Small Size & Low Noise

High Reliability

Various Corrosion Resistance

BLDC for Long Lifetime

S36 Liquid Pump



Download Datasheet

Model	S36S	S36M	S36L
Versions	Premium	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000	≥10000
Voltage(V DC)	24	24	24
Load Current(mA)	≤500	≤550	≤650
Free Flow Rate(L/min)	≥1.3	≥2.0	≥3.0
Max. Suction Height	1.7m H ₂ O	2m H ₂ O	3m H ₂ O
Flow Rate @ Max. Suction Height	0.8L/min	1.5L/min	2L/min
Max. Pressure Height	7m H ₂ O	9m H ₂ O	11m H ₂ O
Flow Rate @ Max. Pressure Height	0.5L/min	0.8L/min	0.8L/min
Gas Flow Rate(L/min)	≥1.0	≥1.6	≥2.2
Max. Vacuum(-kPa)	≥9	≥15	≥23
Size(mm)	143x62x85	143x62x85	143x62x85

High Reliability

Various Flow Control Options

Modular Connector

BLDC for Long Lifetime

WAJ Liquid Pump



Contact for Details

Model	WAJ280A
Lifetime as Gas Pump(hrs)	≥4200
Lifetime as Liquid pump(hrs)	≥1200
Voltage(V DC)	5
Load Current(mA)	≤220
Free Flow Rate(mL/min)	≥280
Max. Suction Height	2m H ₂ O
Flow Rate @ Max. Suction Height	50mL/min
Max. Pressure Height	2m H ₂ O
Flow Rate @ Max. Pressure Height	200mL/min
Gas Flow Rate(mL/min)	≥400
Max. Vacuum(-kPa)	≥16
Size(mm)	72x32x40

Small Size & Low Noise

Cost-effective

High Flow Rate

High Reliability

WUY Liquid Pump



Contact for Details

Model	WUY280A		
	Versions	Simplified	Standard
Lifetime as Gas Pump(hrs)	≥8000	≥12000	≥18000
Lifetime as Liquid pump(hrs)	≥3500	≥6000	≥8000
Voltage(V DC)	12	12	12
Load Current(mA)	≤210	≤210	≤210
Free Flow Rate(mL/min)	≥280	≥280	≥280
Max. Suction Height	1.5m H ₂ O	1.5m H ₂ O	1.5m H ₂ O
Flow Rate @ Max. Suction Height	85mL/min	85mL/min	85mL/min
Max. Pressure Height	2m H ₂ O	2m H ₂ O	2m H ₂ O
Flow Rate @ Max. Pressure Height	230mL/min	230mL/min	230mL/min
Gas Flow Rate(mL/min)	≥400	≥400	≥400
Max. Vacuum(-kPa)	≥13	≥13	≥13
Size(mm)	61x32x40	61x32x40	61x32x40

Small Size & Low Noise

BLDC for Long Lifetime

Cost-effective

High Reliability

WKY Liquid Pump



[Contact for Details](#)

*Indicates that the series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

Model	WKY600A	
Versions*	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000
Voltage(V DC)	12	24
Load Current(mA)	≤350	≤260
Free Flow Rate(L/min)	≥0.6	≥0.6
Max. Suction Height	2m H ₂ O	2m H ₂ O
Flow Rate @ Max. Suction Height	0.3L/min	0.3L/min
Max. Pressure Height	4m H ₂ O	4m H ₂ O
Flow Rate @ Max. Pressure Height	0.28L/min	0.28L/min
Gas Flow Rate(L/min)	≥0.6	≥0.7
Max. Vacuum(-kPa)	≥17	≥17
Size(mm)	118x73x47	118x73x47

Model	WKY100A	
Versions*	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000
Voltage(V DC)	12	24
Load Current(mA)	≤500	≤280
Free Flow Rate(L/min)	≥1	≥1
Max. Suction Height	3m H ₂ O	3m H ₂ O
Flow Rate @ Max. Suction Height	0.4L/min	0.4L/min
Max. Pressure Height	5m H ₂ O	5m H ₂ O
Flow Rate @ Max. Pressure Height	0.28L/min	0.28L/min
Gas Flow Rate(L/min)	≥0.9	≥1.2
Max. Vacuum(-kPa)	≥27	≥27
Size(mm)	118x73x47	118x73x47

High Reliability

Small Size

Self-priming

BLDC for Long Lifetime

WNY Liquid Pump



[Download Datasheet](#)

*Indicates that the series has three different Versions: Simplified, Standard and Premium, for different load lifetime. Please refer to the data sheet for details.

Model	WNY600A	
Versions*	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000
Voltage(V DC)	12	24
Load Current(mA)	≤350	≤260
Free Flow Rate(L/min)	≥0.6	≥0.8
Max. Suction Height	2m H ₂ O	2m H ₂ O
Flow Rate @ Max. Suction Height	0.3L/min	0.3L/min
Max. Pressure Height	4m H ₂ O	4m H ₂ O
Flow Rate @ Max. Pressure Height	0.28L/min	0.28L/min
Gas Flow Rate(L/min)	≥0.6	≥0.7
Max. Vacuum(-kPa)	≥17	≥17
Size(mm)	118x73x47	118x73x47

Model	WNY100A	
Versions*	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000
Voltage(V DC)	12	24
Load Current(mA)	≤500	≤280
Free Flow Rate(L/min)	≥1	≥1
Max. Suction Height	3m H ₂ O	3m H ₂ O
Flow Rate @ Max. Suction Height	0.4L/min	0.4L/min
Max. Pressure Height	5m H ₂ O	5m H ₂ O
Flow Rate @ Max. Pressure Height	0.28L/min	0.28L/min
Gas Flow Rate(L/min)	≥0.9	≥1.1
Max. Vacuum(-kPa)	≥27	≥27
Size(mm)	118x73x47	118x73x47

High Reliability

Small Size

Self-priming

BLDC for Long Lifetime

WJY Liquid Pump



[Download Datasheet](#)

Model	WJY1802A/T	WJY2703A/T	WJY4006A/T
Versions*	Premium	Premium	Premium
Lifetime as Gas Pump(hrs)	≥18000	≥18000	≥18000
Lifetime as Liquid pump(hrs)	≥10000	≥10000	≥10000*
Voltage(V DC)	24	24	24
Load Current(mA)	≤1000	≤1000	≤1800
Free Flow Rate(L/min)	≥2	≥3	≥6
Max. Suction Height	1.8m H ₂ O	2.7m H ₂ O	3m H ₂ O
Flow Rate @ Max. Suction Height	1.5L/min	1.6L/min	3.2L/min
Max. Pressure Height	7m H ₂ O	7m H ₂ O	10m H ₂ O
Flow Rate @ Max. Pressure Height	0.8L/min	1.5L/min	1.7L/min
Gas Flow Rate(L/min)	≥1.6	≥2.4	≥4
Max. Vacuum(-kPa)	≥18	≥27	≥33
Size(mm)	129x71x103	129x71x103	129x71x105

*Indicates that the series has three different Versions: Simplified, Standard and Premium, for different load lifetime. The lifetime test of WJY4006A/T is in progress, and the value is the estimated value of theoretical design. Please refer to the data sheet for details.

High Flow & High Power

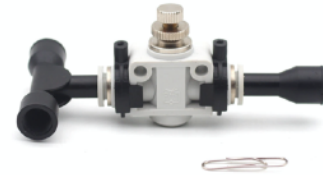
Flow Control

Modular Connector

BLDC for Long Lifetime

FB Control Valve

Mode	FB-3B7.0	FB-3B11.0	FB-3L13.0
Function	Adjustable Flow, Vacuum, Pressure	Adjustable Flow, Vacuum, Pressure	Adjustable Flow, Vacuum, Pressure
Connector Inner Diameter	4mm	4mm	6mm
Connector Outer Diameter	7.0mm, Pagoda Connector	11.0mm, Pagoda Connector	13.0mm, Internal Thread Connector
Installation Aperture	4.5mm	4.5mm	4.5mm
Work Pressure	<200kPa	<200kPa	<200kPa
Working Medium	No Corrosive Gas (Oil free, moisture allowed)	No Corrosive Gas (Oil free, moisture allowed)	No Corrosive Gas (Oil free, moisture allowed)
Medium Temperature (Gas Only)	0°C ~ 50 °C	0°C ~ 50 °C	0°C ~ 50 °C
Main Material of Valve	PBT, Copper Alloy, Enhanced Nylon	PBT, Copper Alloy, Enhanced Nylon	PBT, Copper Alloy, Enhanced Nylon

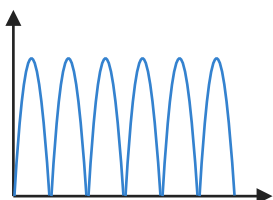


FS Gas Flow Stabilizer

Model	FS0004
Output Flow Range(L)	0-4
Withstand Max. Pressure(kPa)	200
Applicable Connecting Pipe	6mm/8mm Inner diameter, Silicone tube
Weight(g)	50
Media Contact Material	Nitrile rubber, 304 SS, Enhanced Nylon
Function	Used in conjunction with a micro pump to reduce gas pulsation and negative impact on sensors.



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