



JQA-2160
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Cat.No. **Lc001b**

NITTO KOHKI's

空气压缩泵 & 真空泵

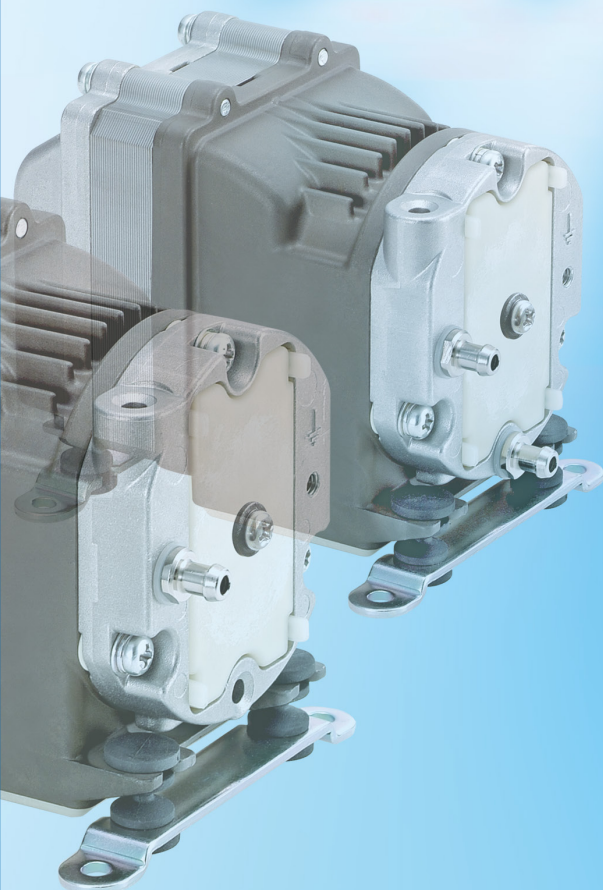
Air Compressors & Vacuum Pumps



- DC线性驱动活塞压缩泵 (低压系列) DC LINEAR Piston Compressor (Low Pressure Series)
- DC线性驱动活塞真空泵 DC LINEAR Piston Vacuum Pump
- AC线性驱动活塞压缩泵 (低压系列) AC LINEAR Piston Compressor (Low Pressure Series)
- AC线性驱动活塞压缩泵 (中压系列) AC LINEAR Piston Compressor (Intermediate Pressure Series)
- AC线性驱动活塞真空泵 AC LINEAR Piston Vacuum Pump
- AC线性驱动活塞曝气机 AC LINEAR Piston Blower
- AC线性驱动隔膜泵 AC LINEAR Diaphragm Pump
- DC隔膜泵 DC Diaphragm Pump
- DC活塞泵 DC Piston Pump
- AC线性驱动空气压缩泵/真空泵/隔膜泵 (定制项目) AC LINEAR Air Compressor / Vacuum Pump / Diaphragm Pump (Made-to-order Item)

液体泵 Liquid Pumps

- 压电泵 Piezoelectric Pump
- 小型隔膜泵 Miniature Diaphragm Pump



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空气压缩泵&真空泵

Air Compressors & Vacuum Pumps

DC线性驱动活塞压缩泵 (低压系列) / DC LINEAR Piston Compressor (Low Pressure Series)

| 型号 / Model | 额定压力 / Rated Pressure kPa (kgf/cm ²) bar psig | 最高压力 / Max. Pressure kPa (kgf/cm ²) bar psig | 吐出空气量 / Rated Airflow L/min cfm | 页码 Page |
|------------|--|---|---------------------------------------|------------|
| DAH102-X1 | 20 {0.2} 0.2 2.84 | 50 {0.5} 0.5 7.11 | 5 0.177 | 9 |
| DAH102-Y1 | 20 {0.2} 0.2 2.84 | 50 {0.5} 0.5 7.11 | 5 0.177 | 10 |
| DAH105-X1 | 50 {0.5} 0.5 7.11 | 80 {0.8} 0.8 11.4 | 2.5 0.088 | 11 |
| DAH105-Y1 | 50 {0.5} 0.5 7.11 | 80 {0.8} 0.8 11.4 | 2.5 0.088 | 12 |
| DAH110-X1 | 100 {1.0} 1.0 14.2 | 120 {1.2} 1.2 17.1 | 1.0 0.035 | 13 |
| DAH110-Y1 | 100 {1.0} 1.0 14.2 | 120 {1.2} 1.2 17.1 | 1.0 0.035 | 14 |

DC线性驱动活塞真空泵 / DC LINEAR Piston Vacuum Pump

| 型号 / Model | 达到真空度 / Attainable Vacuum kPa (mmHg) mbar in.Hg | 自由排气量 / Free Air Displacement L/min cfm | 页码 Page |
|------------|--|---|------------|
| DVH130-X1 | -40 [-300] -400 -11.8 | 7 0.247 | 17 |
| DVH130-Y1 | -40 [-300] -400 -11.8 | 7 0.247 | 18 |
| DVH145-X1 | -60 [-450] -600 -17.7 | 3 0.106 | 19 |
| DVH145-Y1 | -60 [-450] -600 -17.7 | 3 0.106 | 20 |

AC线性驱动活塞压缩泵 (低压系列) / AC LINEAR Piston Compressor (Low Pressure Series)

定制 / Mark: Made-to-order

| 型号 / Model | 额定压力 / Rated Pressure kPa (kgf/cm ²) bar psig | 最高压力 / Max. Pressure kPa (kgf/cm ²) bar psig | 吐出空气量 / Rated Airflow L/min cfm | 页码 Page |
|------------|--|---|---------------------------------------|------------|
| AC0102 | 20 {0.2} 0.2 2.84 | 40 {0.4} 0.4 5.69 | 5 0.177 | 23 |
| AC0201A | 20 {0.1} 0.1 1.42 | 20 {0.2} 0.2 2.84 | 20 0.71 | 24 |
| AC0301A | 10 {0.1} 0.1 1.42 | 30 {0.3} 0.3 4.27 | 28 0.99 | 25 |
| AC0401A | 10 {0.1} 0.1 1.42 | 35 {0.35} 0.35 4.98 | 35 1.24 | 26 |
| AC0602 | 15 {0.15} 0.15 2.13 | 35 {0.35} 0.35 4.98 | 40 1.41 | 27 |
| AC0901 | 10 {0.1} 0.1 1.42 | 40 {0.4} 0.4 5.69 | 80 2.83 | 28 |
| AC0902 | 20 {0.2} 0.2 2.84 | 45 {0.45} 0.45 6.4 | 55 1.94 | 29 |
| AC0501 * | 10 {0.1} 0.1 1.42 | 35 {0.35} 0.35 4.98 | 45 1.59 | 95 |

AC线性驱动活塞压缩泵 (中压系列) / AC LINEAR Piston Compressor (Intermediate Pressure Series)

| 型号 / Model | 额定压力 / Rated Pressure kPa (kgf/cm ²) bar psig | 最高压力 / Max. Pressure kPa (kgf/cm ²) bar psig | 吐出空气量 / Rated Airflow L/min cfm | 页码 Page |
|------------|--|---|---------------------------------------|------------|
| AC0105 | 50 {0.5} 0.5 7.11 | 80 {0.8} 0.8 11.4 | 2.5 0.088 | 31 |
| AC0110 | 100 {1.0} 1.0 14.2 | 120 {1.2} 1.2 17.1 | 0.8 0.028 | 32 |
| AC0207 | 70 {0.7} 0.7 9.96 | 100 {1.0} 1.0 14.2 | 3.5 0.124 | 33 |
| AC0410A | 100 {1.0} 1.0 14.2 | 130 {1.3} 1.3 18.5 | 5 0.177 | 34 |
| AC0610A | 100 {1.0} 1.0 14.2 | 150 {1.5} 1.5 21.3 | 8 0.283 | 35 |
| AC0910 | 100 {1.0} 1.0 14.2 | 150 {1.5} 1.5 21.3 | 16 0.565 | 36 |
| AC0920 | 200 {2.0} 2.0 28.4 | 300 {3.0} 3.0 42.6 | 8 0.283 | 37 |

AC线性驱动活塞真空泵 / AC LINEAR Piston Vacuum Pump

定制 / Mark: Made-to-order

| 型号 / Model | 达到真空度 / Attainable Vacuum kPa (mmHg) mbar in.Hg | 自由排气量 / Free Air Displacement L/min cfm | 页码 Page |
|------------|--|---|------------|
| VP0125 | -33.3 [-250] -333 -9.84 | 7 0.247 | 39 |
| VP0140 | -53.3 [-400] -533 -15.7 | 3 0.106 | 40 |
| VP0435A | -46.7 [-350] -467 -13.78 | 25 0.88 | 41 |
| VP0450 | -66.7 [-500] -667 -19.7 | 18 0.64 | 42 |
| VP0625 | -33.3 [-250] -333 -9.84 | 40 1.41 | 43 |
| VP0660 | -80 [-600] -800 -23.6 | 25 0.88 | 44 |
| VP0940 | -53.3 [-400] -533 -15.7 | 60 2.12 | 45 |
| VP0645 * | -60 [-450] -600 -17.7 | 10 0.35 | 100 |
| VP0945 * | -60 [-450] -600 -17.7 | 12 0.424 | 101 |
| VP0660x2 * | -93.3 [-700] -933 -27.5 | 25 0.88 | 102 |
| | -80 [-600] -800 -23.6 | 50 1.77 | |

AC线性驱动活塞曝气机 / AC LINEAR Piston Blower

| 型号 / Model | 额定压力 / Rated Pressure kPa (kgf/cm ²) bar psig | 吐出空气量 / Rated Airflow L/min cfm | 页码 Page |
|------------|--|---------------------------------------|------------|
| LA-28B | 11 {0.11} 0.11 1.56 | 28 0.99 | 47 |
| LA-45B | 11 {0.11} 0.11 1.56 | 45 1.59 | |
| LA-60B | 15 {0.15} 0.15 2.13 | 60 2.12 | 48 |
| LA-80B | 15 {0.15} 0.15 2.13 | 80 2.83 | |
| LA-100A | 18 {0.18} 0.18 2.56 | 100 3.53 | 49 |
| LA-120A | 18 {0.18} 0.18 2.56 | 120 4.24 | |
| LAM-200 | 20 {0.20} 0.20 2.84 | 200 7.06 | 50 |

AC线性驱动隔膜泵 / AC LINEAR Diaphragm Pump

: 定制 / Mark: Made-to-order

| 型号 / Model | 最大真空度 / Max. Vacuum | | | 额定压力 / Rated Pressure | | | 最高压力 / Max. Pressure | | | 吐出空气量 / Rated Airflow | | 页码 Page |
|-----------------------|---------------------|------|-------|----------------------------|------|------|----------------------------|------|------|-----------------------|------|------------|
| | kPa (mmHg) | mbar | in.Hg | kPa (kgf/cm ²) | bar | psig | kPa (kgf/cm ²) | bar | psig | L/min | cfm | |
| VC0100 兼用 / Dual | -14.7[-110] | -147 | -4.33 | 4 [0.04] | 0.04 | 0.57 | 16 [0.16] | 0.16 | 2.28 | 6 | 0.21 | 53 |
| VC0100 曝气机 / Blower | | | | 4 [0.04] | 0.04 | 0.57 | 16 [0.16] | 0.16 | 2.28 | 6 | 0.21 | 54 |
| VC0101 兼用 / Dual 120V | -18.7[-140] | -187 | -5.51 | 10 [0.1] | 0.1 | 1.42 | 18 [0.18] | 0.18 | 2.56 | 10 | 0.35 | 55 |
| VC0101 兼用 / Dual 230V | -10[-76] | -100 | -2.95 | 10 [0.1] | 0.1 | 1.42 | 15 [0.15] | 0.15 | 2.13 | 10 | 0.35 | |
| VC0101 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 10 | 0.35 | 56 |
| VC0101E 兼用 / Dual | -18.7[-140] | -187 | -5.51 | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 15 | 0.53 | 57 |
| VC0101E 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 15 | 0.53 | 58 |
| VC0101S 兼用 / Dual | -24[-180] | -240 | -7.08 | 5 [0.05] | 0.05 | 0.71 | 26 [0.26] | 0.26 | 3.70 | 15 | 0.53 | 103 |
| VC0101S 曝气机 / Blower | | | | 5 [0.05] | 0.05 | 0.71 | 26 [0.26] | 0.26 | 3.70 | 15 | 0.53 | 104 |
| VC0201 兼用 / Dual | -18.7[-140] | -187 | -5.5 | 10 [0.1] | 0.1 | 1.42 | 18 [0.18] | 0.18 | 2.56 | 20 | 0.71 | 59 |
| VC0201 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 18 [0.18] | 0.18 | 2.56 | 20 | 0.71 | 60 |
| VC0301 兼用 / Dual | -21.3[-160] | -213 | -6.3 | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 25 | 0.88 | 61 |
| VC0301 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 25 | 0.88 | 62 |
| VC0201B 兼用 / Dual | -18.7[-140] | -187 | -5.5 | 10 [0.1] | 0.1 | 1.42 | 18 [0.18] | 0.18 | 2.56 | 20 | 0.71 | 63 |
| VC0201B 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 18 [0.18] | 0.18 | 2.56 | 20 | 0.71 | 64 |
| VC0301B 兼用 / Dual | -21.3[-160] | -213 | -6.3 | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 25 | 0.88 | 65 |
| VC0301B 曝气机 / Blower | | | | 10 [0.1] | 0.1 | 1.42 | 20 [0.2] | 0.2 | 2.84 | 25 | 0.88 | 66 |

DC隔膜泵/DC活塞泵 / DC Diaphragm Pump / DC Piston Pump

| 型号 / Model | 达到真空度 / Attainable Vacuum | | | 最高压力 / Max. Pressure | | | 自由排气量 / Free Air Displacement | | 页码 Page |
|------------|---------------------------|------|-------|----------------------------|------|------|-------------------------------|-------|------------|
| | kPa (mmHg) | mbar | in.Hg | kPa (kgf/cm ²) | bar | psig | L/min | cfm | |
| DP0125 | -33.3 [-250] | -333 | -9.84 | 30 [0.3] | 0.3 | 4.27 | 2.5 | 0.088 | 69 |
| DP0140 | -53.3 [-400] | -533 | -15.7 | 50 [0.5] | 0.5 | 7.11 | 4 | 0.141 | 70 |
| DP0102 | -26.7 [-200] | -267 | -7.87 | 45 [0.45] | 0.45 | 6.4 | 5 | 0.177 | 71 |
| DP0102S | -26.7 [-200] | -267 | -7.87 | 45 [0.45] | 0.45 | 6.4 | 7 | 0.247 | 72 |
| DP0102H-X1 | -50.7 [-380] | -507 | -15 | 80 [0.8] | 0.8 | 11.4 | 4 | 0.141 | 73 |
| DP0102H-X2 | | | | 80 [0.8] | 0.8 | 11.4 | 4 | 0.141 | 74 |
| DP0105-X1 | -66.6 [-500] | -666 | -19.7 | 250 [2.5] | 2.5 | 35.6 | 2.8 | 0.1 | 75 |
| DP0105-Y1 | -66.6 [-500] | -666 | -19.7 | 250 [2.5] | 2.5 | 35.6 | 2.8 | 0.1 | 76 |
| DPA0105-X1 | | | | 220 [2.2] | 2.2 | 31.3 | 2.8 | 0.1 | 77 |
| DPA0105-Y1 | | | | 220 [2.2] | 2.2 | 31.3 | 2.8 | 0.1 | 78 |
| DP0110-X1 | -66.6 [-500] | -666 | -19.7 | 150 [1.5] | 1.5 | 21.3 | 7.5 | 0.26 | 79 |
| DP0110-Y1 | -66.6 [-500] | -666 | -19.7 | 150 [1.5] | 1.5 | 21.3 | 7.5 | 0.26 | 80 |
| DP0110PWM | -66.6 [-500] | -666 | -19.7 | 150 [1.5] | 1.5 | 21.3 | 7.5 | 0.26 | 81 |
| DP0110T-X1 | -60.0 [-450] | -600 | -17.7 | 150 [1.5] | 1.5 | 21.3 | 5.5 | 0.26 | 82 |
| DP0110T-Y1 | -60.0 [-450] | -600 | -17.7 | 150 [1.5] | 1.5 | 21.3 | 5.5 | 0.26 | 83 |
| DP0410-X2 | | | | 180 [1.8] | 1.8 | 25.6 | 18 | 0.64 | 84 |
| DP0410-Y2 | | | | 180 [1.8] | 1.8 | 25.6 | 18 | 0.64 | 85 |

压电泵 / PIEZOELECTRIC PUMP

| 型号 / Model | 排气压力 / Discharge Pressure kPa | | 流量 / Flow Rate mL/min | | 自吸压力 / Self-priming Pressure kPa | | 页码 Page |
|--------------|----------------------------------|----|--------------------------|-----|-------------------------------------|-----|------------|
| 120V AC 60Hz | | | | | | | |
| BPS-215i | <div><div></div></div> | 15 | <div><div></div></div> | 30 | <div><div></div></div> | 3 | 87 |
| BPS-235G | <div><div></div></div> | 15 | <div><div></div></div> | 30 | <div><div></div></div> | 1.5 | |
| BPH-214i | <div><div></div></div> | 18 | <div><div></div></div> | 350 | <div><div></div></div> | 8 | |
| BPH-214D | <div><div></div></div> | 18 | <div><div></div></div> | 350 | <div><div></div></div> | 8 | |
| BPH-214E | <div><div></div></div> | 18 | <div><div></div></div> | 350 | <div><div></div></div> | 8 | |
| BPH-214G | <div><div></div></div> | 17 | <div><div></div></div> | 350 | <div><div></div></div> | 7 | |
| BPH-414i | <div><div></div></div> | 35 | <div><div></div></div> | 500 | <div><div></div></div> | 12 | |
| BPH-414D | <div><div></div></div> | 35 | <div><div></div></div> | 500 | <div><div></div></div> | 12 | |
| BPH-414E | <div><div></div></div> | 35 | <div><div></div></div> | 500 | <div><div></div></div> | 12 | |
| BPH-414G | <div><div></div></div> | 32 | <div><div></div></div> | 450 | <div><div></div></div> | 10 | |
| BPH-474G | <div><div></div></div> | 35 | <div><div></div></div> | 400 | <div><div></div></div> | 10 | |
| BPH-474P | <div><div></div></div> | 35 | <div><div></div></div> | 400 | <div><div></div></div> | 10 | |
| BPF-465P | <div><div></div></div> | 35 | <div><div></div></div> | 400 | <div><div></div></div> | 10 | |
| 230V AC 50Hz | | | | | | | |
| BPS-215i | <div><div></div></div> | 10 | <div><div></div></div> | 10 | <div><div></div></div> | 0.4 | 88 |
| BPS-235G | <div><div></div></div> | 10 | <div><div></div></div> | 10 | <div><div></div></div> | 0.4 | |
| BPH-214i | <div><div></div></div> | 18 | <div><div></div></div> | 220 | <div><div></div></div> | 7 | |
| BPH-214D | <div><div></div></div> | 18 | <div><div></div></div> | 220 | <div><div></div></div> | 7 | |
| BPH-214E | <div><div></div></div> | 18 | <div><div></div></div> | 220 | <div><div></div></div> | 7 | |
| BPH-214G | <div><div></div></div> | 17 | <div><div></div></div> | 220 | <div><div></div></div> | 7 | |
| BPH-274G | <div><div></div></div> | 35 | <div><div></div></div> | 250 | <div><div></div></div> | 7 | |
| BPH-274P | <div><div></div></div> | 35 | <div><div></div></div> | 250 | <div><div></div></div> | 7 | |
| BPF-265P | <div><div></div></div> | 35 | <div><div></div></div> | 250 | <div><div></div></div> | 7 | |

小型隔膜泵 / MINIATURE DIAPHRAGM PUMP

| 型号 / Model | 工作压力 / Working Pressure | 流量 / Flow Rate | 自吸压力 / Self-priming Pressure | 页码 Page |
|------------|-------------------------|----------------|------------------------------|------------|
| | kPa | mL/min | kPa | |
| DPE-100 | 100 | 100 | 20 | 92 |
| DPE-400 | 100 | 400 | 40 | 93 |
| DPE-400BL | 100 | 400 | 40 | 94 |
| DPE-800 | 100 | 800 | 40 | 95 |

真空镊子 / VACUUM TWEEZERS

| 型号 / Model | 页码 Page |
|------------------------------|------------|
| MEDO HAND 型号 / Model MH-100A | 97 |

线性马达驱动自由活塞机构 LINEAR MOTOR DRIVEN FREE PISTON MECHANISM

线性马达驱动自由活塞系统不仅是升级现有系统的理想选择，而且也可用于未来的设计改进。自由活塞泵结构紧凑、低噪音、低振动、高可靠性，可提高用户的系统性能并延长其使用寿命。

The Linear-motor-driven Free Piston System is not only ideal for upgrading existing systems but can also be used for future design improvement. Compact, quiet, and vibration free, the extremely reliable Free Piston Pump will enhance your system performance and extend its operating life.

电磁力和复位弹簧交互驱动气缸内的活塞，其机械运动与输入电源频率同步。在一个机构中，活塞组合了泵和马达这两个独立装置的功能。

The Electro-magnet and return spring alternatively drive the piston inside the cylinder, the mechanical resonance of which is synchronized with the input current cycle. In a single mechanism, the piston combines the functions of two normally independent devices; a pump and a motor.

紧凑的一体化结构

该系统使活塞以一个整体进行机械运动。将具有完全独立功能的传统的马达和压缩部融为一体化结构，进一步实现了小型化和轻量化。

Compact integrated design

This unique system enables the mechanical resonance of a single part. An incredibly compact, lightweight design is achieved by combining what are entirely independent functions in conventional pumps - the motor and the compressor - into a superior single, unified structure.

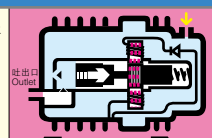
装入线圈间的硅二极管对电流进行半波整流。而这将开启/关闭电磁力，从而产生平稳的机械运动。

A silicon diode in between the coils converts the full-wave input current into half-rectified current. In turn this activates and deactivates the electro-magnet, producing a smooth mechanically resonating action.

工作原理 Operating Principle

A. 在电磁力的作用下，活塞被吸引而弹簧受压。此时，空气从进气阀吸入气缸内。

A. The energised electro-magnet attracts the piston, compresses the return spring, and draws air into the cylinder through the opened inlet valve.



流动 Current

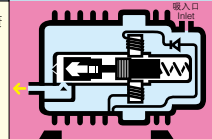


不流动 No Current



B. 电磁力消失，活塞被复位弹簧的恢复力压回。此时，将压缩空气从排气阀排出气缸。

B. When the electro-magnet is de-energised, the return spring pushes the piston back, forcing the compressed air out of the cylinder through the now opened outlet valve.

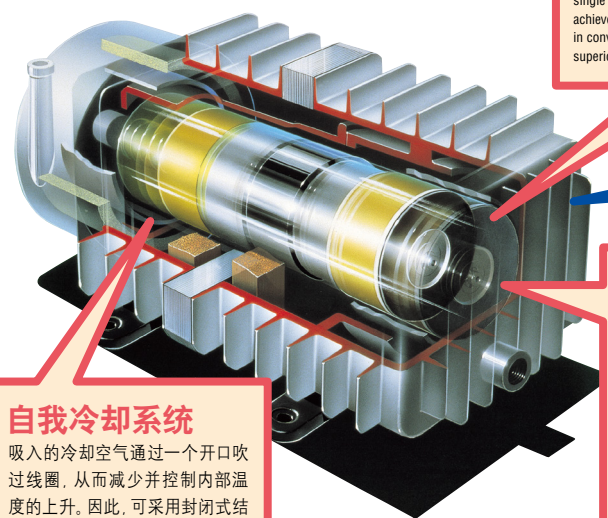


组件更少

结构简单、可靠，没有传统泵中常见的曲轴、连杆、球轴承等复杂的传动组件。更少零部件意味着更少问题。

Fewer components

This uniquely simple and reliable design has no complicated transmission components such as crankshafts, connecting rods, ball bearings, etc. typically found in conventional pump designs. Fewer parts means fewer problems.



自我冷却系统

吸入的冷却空气通过一个开口吹过线圈，从而减少并控制内部温度的上升。因此，可采用封闭式结构，运转时噪音很小。

Self-cooling design

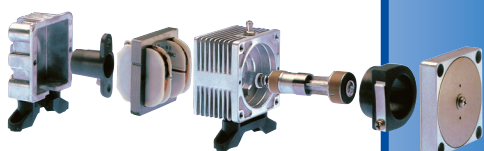
Cool intake air passes through an opening over the coils to reduce and control the rise in internal temperature. As a result of this feature, it is possible to almost completely seal the unit, thus improving the suppression of internal operating noise.

过压防止功能

当压力超过额定压力时，活塞行程自动减少，以防止产生过压。此时消耗功率和电流也会自动减少，无需担心一时的过载造成设备故障或烧毁。

Hyper pressure control mechanism

Should the output pressure exceed the rated value, the piston will automatically adjust to a shorter stroke. Additionally, power consumption will automatically reduce, guarding against possible temperature overloads.



空气压缩泵&真空泵 / Air Compressors & Vacuum Pumps



空气喷笔 / Air Brush



焊接烟雾清除机 / Soldering Fume Remover



肌肉电疗装置 / Muscular Electro-Therapy Unit



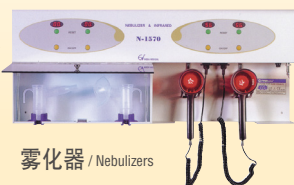
鱼缸氧气补充装置 / Aquarium Aeration



咖啡机 / Coffee Maker



宫颈涂片检测仪 / Pap smear Tester



雾化器 / Nebulizers



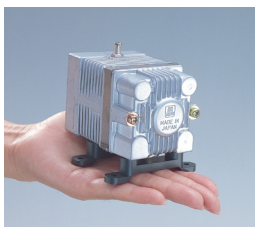
污水处理曝气装置 / Sewage Treatment Aeration

重要客户&用途例 / Our Valued Customers & Applications

凭借在设计、工程、制造方面积累的三十年以上的经验，以及在广泛的应用中对产品的不断完善，向用户提供“智能化功能”包。

以下我们将介绍这些关键设计特点，了解每个设计元素对开发优异的压缩泵或真空泵所发挥的作用。

Experience gained in well over three decades of designing, engineering, manufacturing and continually perfecting our products in thousands of applications has resulted in a “functionally intelligent” package. Please review these key design features and see how every design element contributes overall to the creation of a superior compressor or vacuum pump.



小型/轻量 马达和压缩部一体化

采用创新机构，只有活塞在马达和压缩部一体化的气缸中直接往复驱动。与其它方式相比，实现了小型化和轻量化。这样，对于其他内部组件的封装，OEM设计工程师有更多的选择。

Compact and Lightweight
with the motor and compressor combined into the single structure
With the piston as the only moving part, efficient space utilisation enables our pump to be considerably smaller and lighter than other pumps. This allows the OEM design engineer increased packaging options for other internal components.



低噪音 无动力传递音

完全去除了复杂的动力传递机构。无旋转音及轴承音，实现了低噪音。另外，采用独特的自我冷却系统，实现了封闭式结构，从而避免了运转时噪音外泄。

Low Noise Level
No transmission assemblies, means less noise
With no need for complicated transmission mechanisms riding on ball bearings, or actuating linkages creating friction and noise, Nitto Kohki's pumps are inherently quieter. Additionally, the almost completely sealed configuration further suppresses secondary internal operating noises.



低振动 活塞重量轻

重量轻、行程短，因而减少了往复作用时对本体的反冲振动作用。另外采用防振橡胶脚垫，可吸收二次振动。

Low Vibration
using an ultra-lightweight piston
The extremely low mass, short stroke, die cast piston minimises reactive force vibrations. Secondary vibrations are isolated or absorbed through the soft elastomeric mounting pads.



环保清洁 无油式结构

所有磨损表面均不使用润滑油、润滑脂或其他会产生污染的润滑剂。滑动部采用润滑性能优异的特氟隆密封，加上可形成独特空气回路的空气轴承效果。实现了“无油式结构”。排出的空气中不含油分。

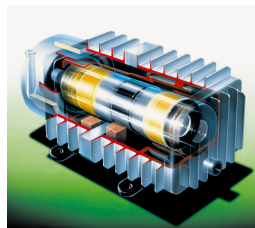
Clean Operation - Clean Air
due to oil-less construction
All wearing surfaces use no oil, grease or other contaminating lubricants. The combination of a precision Teflon™ sleeved piston assisted by an “air-bearing effect” made possible through a unique air path design, assures that the outlet air is completely free of oil.



起动快捷 适应频繁的ON/OFF

由于起动电流小，起动速度快，即使对于频繁的ON/OFF反复操作，也可即时应对。另外，可在加压状态下进行ON/OFF操作。

Instant Response
enabling easy start-ups in frequent on-off short cycle applications
A very low starting current enables our pumps to produce immediate performance in quick short cycle applications, even in the presence of residual back pressure.



降低脉动 高速运动

活塞的往复频率为每分钟3000次/50Hz，或每分钟3600次/60Hz。无论有无负载，活塞都与电源频率同步动作。这样的高速产生了更短的脉冲，使运动更顺畅、更均匀、更“线性”。

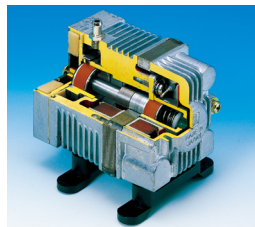
Minimal Pulsating Effect
due to the high resonating speed
The piston's mechanical resonance speed is synchronised with the input power frequency regardless of the load, i.e., 3000 strokes at 50Hz, and 3600 strokes at 60Hz per minute. This high speed produces shorter pulses which translate into a smoother, more uniform and “linear” motion.



自动调节压力 智能压力监测

压力升高后，活塞行程自动减少，从而可防止过压。这时，消耗功率相应降低，从而减少或消除了系统故障或永久损坏的可能性。

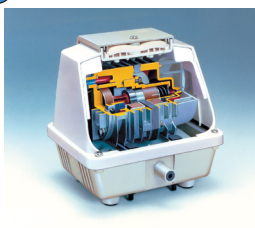
Automatic Pressure Adjustment
with intelligent pressure monitoring
Should an operating condition create excessive pressure, the piston stroke length proportionally reduces to accommodate the condition. Along with this adjustment, power consumption is correspondingly reduced, decreasing or eliminating the potential for system malfunctions or permanent damage.



低消耗功率 通过一体化设计实现真正的能源效率

由于活塞是唯一的活动部件，摩擦损失小，起动和运行电流低，提高了效率。在温度较低的环境下，可延长系统内泵和其他组件的使用寿命。

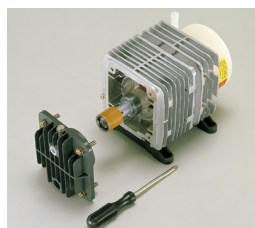
Low Power Consumption
truly energy efficient through integrated design
Since the low mass piston is the only moving part, frictional losses are minimised, allowing lower starting and running current, and thus greater efficiency. Related benefits are realised through a lower rise in temperature, facilitating a longer operating life for the pump and the other components within your system.



长寿命 增加OEM价值

通过融合所有关键设计特点，提供性能优异的泵。OEM工程师完全可放心地将其安装在要求苛刻的系统以及先进的设备中。

Longer Durability
increased OEM value
All key design features listed here combine to provide superior performance in all the important aspects of superior pump design. This enables the OEM engineer to have complete confidence in incorporating the unit into the most demanding systems, in the most advanced equipment.



易维护 只需更换空气过滤器和活塞

只需取下四颗固定气缸盖的螺钉，就可以很容易地更换活塞。通过组合以下两方面的设计，实现完全无油的结构。耐磨性优异，覆盖活塞接触面的特氟隆密封，以及独特气路设计所形成的“空气轴承效果”。

Easy maintenance
only air filter and piston to change
Replacement of the piston can be easily performed by simply removing the four screws holding the head cover in place. A completely oil-less construction is achieved through the combination of two elements: the superior abrasion resistance of the Teflon™ seals that cover the piston contact surfaces and the “air bearing effect” created by the unique air path design.

产品目录使用指南 / How to Use This Catalog

本产品目录可帮助用户选择最适合其特定用途的产品。第1~2页上的索引显示具体型号的相应页码。各型号的刊载页面由规格表、性能曲线图、功耗功率特性图和外形及安装尺寸图等组成。

术语解说 / Explanation of Technical Terms

关于压缩机 / For compressors

| | |
|--|--|
| 额定压力 / Rated pressure : | 可发挥最大能力(性能、寿命)的压力值。50Hz/60Hz时, 流量基本一致的点。 This is the optimum pressure point, where you will get the best capabilities such as performance and service life, and where the pump is designed to have almost the same airflow regardless of input cycle, whether it is 50Hz or 60Hz. |
| 吐出空气量 / Rated airflow : | 额定压力状态下达到的空气输出流量。 The discharge airflow volume at the rated pressure. |
| 最高压力 / Maximum pressure : | 吐出时的到达压力。(参考) The highest obtainable pressure at which the pump was designed to produce zero discharge airflow (not assured; referential value only). |
| 消耗功率 / Power consumption : | 以额定压力运转时的输入功率。 The input wattage value during operation at the rated pressure. |
| 电流 / Current : | 以额定压力运转时的电流。(参考) The electric current value when operated at rated pressure (for reference only). |
| 额定时间 / Duty cycle : | 可在线圈绝缘等级的温度范围内使用的时间。 The period of operation time in which the coil temperature will not exceed the coil insulation class limit for which it was designed. |
| 空气量特性图 / Airflow characteristics : | 空气量相对于压力的特性。(参考) Discharge pressure-airflow curve (for reference only). |
| 消耗功率特性图 / Power consumption characteristics : | 消耗功率相对于压力的特性。(参考) Discharge pressure-power consumption curve (for reference only). |

关于真空泵 / For vacuum pumps

| | |
|--|---|
| 达到真空度 / Maximum vacuum : | 关闭泵吸入口后运转时的真空度。(部分专用机型除外) The highest vacuum the pump can attain with the pump inlet closed (except some of the exclusive models). |
| 吐出空气量 / Free air displacement : | 开机运转3分钟时, 额定压力状态下达到的空气输出流量。 The airflow volume at zero vacuum (within three (3) minutes after the start). |
| 消耗功率 / Power consumption : | 达到真空度的范围内的最大输入功率。 The maximum input wattage on the power consumption curve (up to the maximum vacuum point). |
| 电流 / Electric current : | 达到真空度的范围内的最大电流。(参考) The maximum electric current on the current characteristics (for reference only). |
| 额定时间 / Rated operating time : | 可在线圈绝缘等级的温度范围内使用的时间。(无额外冷却) The longest continuous running time within the range of coil insulation classification (without additional cooling). |
| 空气量特性图 / Airflow characteristics : | 空气量相对于真空度的特性。(参考) Vacuum degree-airflow curve (for reference only). |
| 消耗功率特性图 / Power consumption characteristics : | 消耗功率相对于真空度的特性。(参考) Vacuum degree-power consumption curve (for reference). |
| 排气特性图 / Exhaust characteristics : | 将10升的容器抽成真空时的真空度的时间特性。(参考) The time required to attain the respective vacuum within a 10 liter container (for reference). |

关于DC泵 / For DC pumps

| | |
|--|--|
| 使用环境温度 / Operating ambient temperature : | 0 - 40°C (5 - 50°C, 仅限DP0105) 0 - 40°C (5 - 50°C for only DP0105) |
| 使用环境湿度 / Operating ambient humidity : | 30 - 85% (不可凝结) 30 - 85% without condensation present |
| 用户应确认是否泵吐出出口必须在重新启动前处于空载状态。 Verify in your application if the pump outlet must be unloaded before restarting. | |

This catalogue is designed to aid you in selecting the most appropriate product for your specific application. The INDEXES on page 1 and 2 show the corresponding pages of particular models. The page on which each model is shown consists of a specification table, a performance chart, a power consumption chart, and an external/mounting dimensions diagram.

压缩泵和真空泵的用途、适用流体

Application examples and applicable fluids for compressors and vacuum pumps

用途: 设备置入用 **适用流体:** 空气

Application: for incorporation into equipment **Applicable fluid:** Air

关于压缩泵和真空泵 / For compressors & vacuum pumps

| | |
|---------------------------------|--|
| 耐用时间 / Life expectancy : | 在额定条件下吐出空气量减少20%为止的预期累计运转时间。实际寿命会随实际运转条件或环境(例如输出压力设定、维护计划、通风、环境温度、额定时间等)的不同而异。请注意, 使用与额定值完全不同的电源电压进行运转不仅会影响压力、真空度和空气量, 而且也可能影响泵的耐用时间。 Expected accumulated operating hours until the discharge airflow reduces by 20% under rated conditions. The actual life might vary in accordance with the actual operating conditions or environment such as output pressure setting, maintenance schedule, ventilation, ambient temperature, duty cycle, etc. Please note that operation with quite different supply voltage than the rated will not only affect the pressure, the vacuum rate and the airflow but may also influence the life expectancy of the pump. |
|---------------------------------|--|

| | |
|---------------------------------|--|
| 额定频率 / Rated frequency : | 采用交流电时, 额定频率随型号而不同, 有些仅适用于50Hz或60Hz, 有些为50/60Hz兼用。 In the case of AC drive, the rated frequency will be different by the versions, some are only for 50Hz or for 60Hz, some are for both 50Hz and 60Hz. |
|---------------------------------|--|

| | |
|------------------------------------|--|
| 线圈绝缘等级 / Coil insulations : | 根据日本电气用品安全法而设定的线圈温度极限。本公司的压缩泵除部分产品外, 一般相当于E类。这些等级仅供参考, 因为泵被看作是“组件”而非完整的产品或系统。 The suggested classe, most bare units attaining "E" class, is based on Japanese electric regulations. They are merely suggestions since bare units are considered as "components" and are not classified as complete products or systems. |
|------------------------------------|--|

| 绝缘等级 (参考) Insulation Class (for reference) | (温度极限, °C) (Temperature limit, degrees C) |
|---|--|
| A | 100 |
| E | 115 |
| B | 125 |
| F | 150 |
| H | 170 |

| | |
|---|---|
| 外形及安装尺寸图 / Outside & mounting dimensions : | 确认组装时的设置空间及安装空间。每侧尺寸可增加5~10mm, 以防泵在橡胶隔振脚上振动时与周边物体相碰。 Useful for assessing the required space for installation. Allow extra 5-10 mm each in order to prevent the pump from hitting its surroundings as it vibrates on rubber insulating feet. |
|---|---|

| | |
|------------------------------------|---|
| 额定电源 / Rated power supply : | 两种主要类型: 115V AC/60Hz和230V AC/50Hz。但大部分型号(并非所有型号)为50Hz/60Hz兼用, 此时两者的特性图不同。 The two major types are 115V AC/60Hz and 230V AC/50Hz. However, most of the models, not all of them, can be used at both 50Hz and 60Hz with different performance characteristics. |
|------------------------------------|---|

| | |
|---|----------|
| 使用环境温度 / Operating ambient temperature : | 0 - 40°C |
|---|----------|

| | |
|--|---|
| 使用环境湿度 / Operating ambient humidity : | 30 - 85% (不可凝结) 30 - 85% non-condensing |
|--|---|

关于液体泵 / For liquid pumps

| | |
|--|--|
| 自吸能力 / Self-priming power : | 泵将25°C的水抽起的能力。 The power that the pump will draw 25°C water up. |
| 1kPa相当于将25°C的水抽起10cm。 1kPa is equal to the power that draws up 25°C water by 10cm. | |

改进建议

虽然本公司的压缩泵和真空泵采用独特的内部线圈冷却功能, 可减少或控制内部温度上升, 但在额定压力以上运转时可能会导致温度升高, 请加以注意。如果温度过高, 可能需要减少运转额定时间, 或考虑使用辅助冷却风扇。

Improvement suggestion

While our compressors and vacuum pumps employ a unique internal coil cooling feature to reduce or control the rise in internal temperature, please be advised that operating at higher than rated pressures may result in elevated temperatures. Should these temperatures become excessive, operating duty cycles may need to be reduced, or the use of an auxiliary cooling fan should be considered.

规格及设计如有变更, 恕不另行通知。

对于OEM用户, 建议在订购前以书面形式确认所需规格。

Specifications and designs are subject to change at any time without notice. It is recommended for OEM customers to confirm the specifications required in writing before placing orders.

安全注意事项 / Precautions for Use

使用产品前, 请仔细阅读下述“安全注意事项”及产品附带的使用说明书, 确保正确使用。
Before using any of our products, please be sure to read the following precautions and the product's operation manual.

压缩泵的注意事项 / Precautions for Compressors

注意 / CAUTION

- 本机必须置入适当的设备内使用。The unit must be used as assembled in a device that has the appropriate casing and wiring.
若未置入就使用, 可能会造成火灾、触电、烫伤。Using it without appropriate casing may cause fire, electric shock or burns.
- 请勿对产品施加强烈冲击 (如掉落等)。Do not give the unit heavy external shock during storage and transportation,
否则可能会造成性能及耐久性下降。which may cause malfunction of the unit.
- 请勿超出本机规定的电源电压范围使用。Do not use the unit with a power supply other than the voltage shown on the unit.
否则可能会导致火灾、触电。Negligence may cause a fire or an electric shock.
- 请勿置入完全密封、通风不畅的箱 (盒) 内。Do not install the unit in a completely enclosed case (box) without proper or adequate ventilation.
否则可能会导致火灾、触电。This may cause a fire or an electric shock.
- 请在环境温度温度的范围内使用。Use the unit within the proposed ambient temperature range.
超出范围使用可能会导致火灾、触电。Using it out of the range may cause a fire or an electric shock.
- 绝对不可对本机进行改造。Units must not be modified.
否则可能会导致火灾、触电。Modification may cause a fire or an electric shock.
- 请勿在本机附近放置可燃物。Do not place flammable substances near the unit.
否则可能会引火灾。This may cause a fire.
- 请进行接地。(置入双重绝缘的设备时除外) Units with grounding screws should be earthed (grounded), except when connected to a double insulation device.
若未接地可能会引火灾、触电。Not earthing the unit may result in a fire or an electric shock.

警告 / WARNING

请勿吸入、排出空气以外的流体。Do not let the unit take in any gas other than air.
否则可能会导致爆炸、火灾、触电。There is a risk of an explosion, fire or electric shock.

使用时, 请勿进水或沾水。Make sure the unit is operated in a completely dry area.

否则可能会因漏电而引火灾、触电。There is the risk of a short circuit causing a fire or an electric shock.

真空泵的注意事项 / Precautions for Vacuum Pumps

注意 / CAUTION

- 请勿置于完全密封的箱 (盒) 内。Do not install the unit in a completely enclosed case (box).
否则可能会导致火灾、触电。This may cause a fire or an electric shock.
- 本机必须置入适当的设备内使用。The unit must be used as assembled in a device that has the appropriate casing and wiring.
若未置入就使用, 可能会造成火灾、触电、烫伤。Using it without appropriate casing may cause fire, electric shock or burns.
- 请勿对产品施加强烈冲击 (如掉落等)。Do not give the unit heavy external shock during storage and transportation,
否则可能会造成性能及耐久性下降。which may cause malfunction of the unit.
- 请勿超出本机规定的电源电压范围使用。Do not use the unit with a power supply other than the voltage shown on the unit.
否则可能会导致火灾、触电。Negligence may cause a fire or an electric shock.
- 请在环境温度温度的范围内使用。Use the unit within the proposed ambient temperature range.
超出范围使用可能会导致火灾、触电。Using it out of the range may cause a fire or an electric shock.
- 绝对不可对本机进行改造。Units must not be modified.
否则可能会导致火灾、触电。Modification may cause a fire or an electric shock.
- 请勿在本机附近放置可燃物。Do not place flammable substances near the unit.
否则可能会引火灾。This may cause a fire.
- 吸入空气中含有水分、粉末、灰尘时, 请安装将其除去装置。In case there is a chance of moisture, particles, dirt or dust in the air the unit suck in, an additional filtration device must also be installed on the inlet port of the unit.
若吸入含有水分、粉末、灰尘等的空气, 可能会导致触电。Contaminated air may cause an electric shock.
- 请进行接地。(置入双重绝缘的设备时除外) Units with grounding screws should be earthed (grounded), except when connected to a double insulation device.

警告 / WARNING

请勿吸入、排出空气以外的流体。Do not let the unit take in any gas other than air.
否则可能会导致爆炸、火灾、触电。There is a risk of an explosion, fire or electric shock.

使用时, 请勿进水或沾水。Make sure the unit is operated in a completely dry area.

否则可能会因漏电而引火灾、触电。There is the risk of a short circuit causing a fire or an electric shock.

若未接地可能会引火灾、触电。Not earthing the unit may result in a fire or an electric shock.

- 用于产生气泡时, 必须将本机安装在高于液面的位置。
The unit must be installed at a level higher than the water surface when it is used for bubbling.
若安装在低于液面的位置, 可能会因液体流入而引起触电。
If installed at a lower level, fluid may flow into the unit and cause an electric shock.
- 请勿将物品放置或掉落在导线上。Do not allow anything to be placed on or to fall onto the electric cable,
导线损伤可能会导致火灾、触电。which may damage the cable, causing a fire or an electric shock.
- 请勿拉伸、损伤、强行弯曲、扭转、加热本机导线。Do not pull, cut, twist, heat up or unnecessarily bend the electric cable,
导线损伤可能会导致火灾、触电。which may damage the cable, causing a fire or an electric shock.
- 请用焊接、压接、螺钉固定等方式, 牢靠连接本机导线与置入设备之间的配线。
When installing the unit into another device, the cable from the unit should be connected securely to the wiring of the device by such as soldering, crimping or screw fasteners.
连接不牢靠可能会引火灾、触电。A loose connection may cause a fire or an electric shock.
- 未接受过本公司技术指导的人员绝对不可进行拆解、修理。(按照使用说明书进行维护、检查除外)
The unit must not be disassembled or repaired by any other person than who has received Nitto Kohki technical training. (Except in the case of filter and piston maintenance and inspection in accordance with the operation manual.)
否则可能会因异常动作而引火灾。Otherwise it may result in a fire or an electric shock due to faulty operation.
- 清扫、更换过滤器时, 请务必切断电源。
The unit must be disconnected from its power source before the cleaning or replacing filters.
否则可能会导致触电、受伤。Failure to do so may result in an electric shock or injury.

曝气机的注意事项 / Precautions for Blowers

注意 / CAUTION

- 请勿将曝气机设置在会进水或被雪埋没的场所。
Do not place the unit on the spot where may be soaked with water or covered with snow.
否则可能会导致火灾、触电。This may cause an electric shock or a fire.
- 请勿在高温、潮湿的环境下使用。Do not use the unit in a damp or wet place.
否则可能会导致火灾、触电。This may cause an electric shock or fire.
- 必须安装在高于水面的位置。Always place the unit above water level.
否则可能会导致触电、火灾。Failure to do so may result in an electric shock or fire.
- 曝气机的电源请使用防水型插座。Use a waterproof wall outlet socket to supply power to the unit.
否则可能会导致触电、火灾。Failure to do so may cause an electric shock or fire.
- 请使用装有漏电断路器、过流断路器的电源。
Use a power supply equipped with a set of earth leakage and overcurrent breakers.
否则可能会导致触电、火灾。Failure to do so may result in an electric shock or fire.
- 电气施工必须由专业施工公司进行。Electric work must be done by a qualified electrician.
否则可能会导致触电、火灾。Failure to do so may result in an electric shock or fire.
- 绝对不可对本机进行改造。Do not modify the unit.
否则可能会导致火灾、触电。Modification may cause a fire or an electric shock.
- 请勿在排出配管开放或闭锁的状态下使用。Do not use with the outlet port closed or at free displacement.
否则可能会导致火灾、故障、触电。This may cause an electric shock, malfunction, or fire.
- 请勿超出本机规定的电源电压范围使用。Do not use the unit with a power supply other than the voltage shown on the unit.
否则可能会导致火灾、触电。Negligence may cause a fire or an electric shock.
- 请勿用湿手接触电源插头。Never touch the power plug with wet hands.
否则可能会导致触电。This may cause an electric shock.
- 请将电源插头一直插至插片根部, 确保不会发生松动。

警告 / WARNING

请勿吸入、排出空气以外的流体。Do not let the unit take in any gas other than air.
否则可能会导致爆炸、火灾、触电。There is a risk of an explosion, fire or electric shock.

Insert the power plug securely to the hilt of the contact blades so that it does not wobble.
否则可能会导致触电。Failure to do so may result in an electric shock.

- 请勿在电源线上放置物品。Do not put anything on the power cable.
否则可能会导致火灾、触电。This may cause a fire or an electric shock.
- 请勿在曝气机附近(约50cm)放置物品。Do not place anything near the unit (within 50cm reach)
否则可能会导致火灾、触电。This may cause a fire or an electric shock.
- 请勿在有汽油、香蕉水、油漆、挥发油等的环境下使用本机。
Do not use the unit where flammables, such as gasoline, solvents, lacquer, benzene, etc. are being used.
否则可能会导致火灾、爆炸。This may cause a fire or an explosion.
- 每年一次检查电源插头是否附有灰尘。Check the power plug at least once a year for dirt and dust and clean.
否则可能会导致触电、火灾。Failure to do so may result in an electric shock or a fire.
- 清扫、更换滤芯前, 必须先将电源插头从电源插座拔出。
The power plug must be disconnected before the air filter is cleaned or replaced.
否则可能会导致触电、事故。Negligence may cause an electric shock or accident.
- 从电源插座拔出时, 必须握住电源插头。
Always grasp the power plug not the cable when disconnecting the unit from the power socket.
若抓住电源线拉拔, 可能会导致触电、故障。Pulling it out by grasping the cable may cause an electric shock or short circuit.
- 必须将拆下的过滤器外罩装好。Any disassembled air filter must be put back before resuming the operation.
否则可能会导致火灾、触电。Negligence may cause a fire or an electric shock.
- 请勿拆解、修理。Never try to disassemble or repair the unit.
否则可能会导致火灾、受伤。Any repairs must be done by an electrician authorized by Nitto distributors.
- 请勿将箱子等物盖在曝气机上。Do not cover Blower with a box or the like without proper or adequate ventilation.
否则可能会导致故障、火灾。This may cause malfunction and fire.

液体泵的注意事项 / Precautions for Liquid Pumps

注意 / CAUTION

- 请勿吸入、排出混有固体 (如碎屑、垃圾) 的液体。
Please avoid any liquid that contaminated with solids such as debris or dust.
否则可能会使性能显著降低。可能会有垃圾进入时, 应在吸入口设置过滤器。
If dust sticks to the valve, the unit may not give a good performance. When intrusion of dust is expected, place a filter to the inlet.
- 请勿吸入、排出有结晶的液体。Please avoid any liquid that may crystallize.
否则可能会使性能显著降低。建议使用该液体对泵进行准备性测试。

警告 / WARNING

使用前, 请确认泵对于液体的适用性。Please confirm the suitability of the liquid that passes through the unit before use.
否则可能会导致泄漏、爆炸、火灾、触电。Otherwise there will be possible leak, burst, fire or electric shock.

If crystals stick to the valve, the unit may not give a good performance. Preparatory test on the unit with the liquid is recommended.

泵的性能值是在正确的安装方位 (详见使用说明书) 下测得的。因此, 可能会因安装方向或喷嘴朝向而略有变化。
The performance measured with the unit at its proper position, which is described in the user's manual. Different unit positions or the nozzle directions may result in different performances.

压缩泵、真空泵使用时的注意事项 / When in use of compressors and vacuum pumps

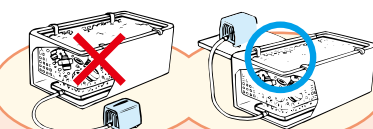
压缩泵、真空泵都是以吸入的空气冷却线圈的“自我冷却系统”, 所以当超过额定压力使用时, 某些型号的额定时间可能会变短。
As compressors and vacuum pumps employ self-cooling system, if used at more than rated pressure, duty cycle of some of the models will be shortened.

- 需要延长额定时间时, 推荐使用风扇冷却。此方法对AC092等额定时间为30分钟的型号也很有效。
When you want to prolong the duty cycle, it is recommended for you to cool the compressor with fans. For instance, AC0902, whose duty cycle is 30 minutes, is effective.

压缩泵、真空泵开放 (压力OMPa) 的状态下使用, 真空泵吸入口关闭后使用, 或在最高压力下使用压缩泵时, 请垂询本公司。
Please check with our distributor in advance if you like to use the compressor/vacuum pump at free displacement (OMPa), or the vacuum pump with inlet port closed, or the compressor at maximum pressure.

- 请勿在有可燃性液体气体的场所使用。
Do not use the compressor near flammable gas.
- 请勿在雨中或在潮湿的场所使用。
Do not use the compressor in the rain or in wet and damped place.
- 请勿在吸入腐蚀性气体的场所使用。
Do not suck corrosive gas.

- 压缩泵必须在高出水面的位置使用。
Be sure to install and use the compressor at a position higher than water level.



异常时的措施 / Handling Problems

若发生右侧所述的情况, 应立即停止使用, 关闭电源。应要求经销商进行维修。

In any of the right cases, stop operation immediately, switch off the power and disconnect the unit from the power supply. Ask our distributor for repair.

- 不慎注入了润滑油等油时。When oil such as lubricant has been applied to the unit in error.
- 不慎施加了强烈冲击 (如掉落等) 时。When the unit has suffered a severe shock such as being dropped
- 不慎流进了水时。When liquid such as water has entered into the unit by mistake.

- 发生冒烟、异臭、异音等异常状态时。
When an abnormal operation is observed, such as the emission of smoke, or an unusual smell or noise.

换算表 / Conversion Tables

压力 Pressure / 流量 Flow Rate / 真空度 Vacuum

压力 / Pressure

| kPa | kgf/cm ² (bar) | psig |
|------------|---------------------------|-------------|
| 300 | 3.0 | 42.7 |
| 280 | 2.8 | 39.8 |
| 250 | 2.5 | 35.6 |
| 200 | 2.0 | 28.5 |
| 180 | 1.8 | 25.6 |
| 150 | 1.5 | 21.3 |
| 120 | 1.2 | 17.1 |
| 100 | 1.0 | 14.2 |
| 80 | 0.8 | 11.4 |
| 70 | 0.7 | 9.96 |
| 50 | 0.5 | 7.11 |
| 45 | 0.45 | 6.40 |
| 40 | 0.4 | 5.69 |
| 35 | 0.35 | 4.98 |
| 34 | 0.34 | 4.84 |
| 30 | 0.3 | 4.27 |
| 20 | 0.2 | 2.84 |
| 18 | 0.18 | 2.56 |
| 15 | 0.15 | 2.13 |
| 11 | 0.11 | 1.56 |
| 10 | 0.1 | 1.42 |
| 7 | 0.07 | 1.00 |
| 5 | 0.05 | 0.71 |
| 1 | 0.01 | 0.142 |
| * 0 | 0 | 0 |

流量 / Flow Rate

| CFM | LPM | CFM | LPM |
|--------------|--------------|------|------|
| 0.035 | 1.00 | 2.12 | 60.0 |
| 0.070 | 2.00 | 2.25 | 63.7 |
| 0.100 | 2.83 | 2.47 | 70.0 |
| 0.105 | 3.00 | 2.50 | 70.8 |
| 0.177 | 5.00 | 2.65 | 75.0 |
| 0.250 | 7.08 | 2.75 | 77.9 |
| 0.353 | 10.0 | 2.83 | 80.0 |
| 0.500 | 14.2 | 3.00 | 85.0 |
| 0.530 | 15.0 | 3.18 | 90.0 |
| 0.708 | 20.0 | 3.25 | 92.0 |
| 0.750 | 21.2 | 3.50 | 99.1 |
| 0.883 | 25.0 | 3.53 | 100 |
| 1.00 | 28.32 | 3.75 | 106 |
| 1.06 | 30.0 | 3.89 | 110 |
| 1.24 | 35.0 | 4.00 | 113 |
| 1.25 | 35.4 | 4.24 | 120 |
| 1.41 | 40.0 | 4.50 | 127 |
| 1.50 | 42.5 | 5.00 | 142 |
| 1.59 | 45.0 | 5.30 | 150 |
| 1.75 | 49.6 | 6.00 | 170 |
| 1.77 | 50.0 | 7.00 | 198 |
| 2.00 | 56.6 | 7.06 | 200 |

真空度 / Vacuum

| kPa | mmHg | mbar | in.Hg |
|-----------|------|-------|-------|
| * 0 | 0 | 0 | 0 |
| -13.3 | -100 | -133 | -3.94 |
| -26.7 | -200 | -267 | -7.87 |
| -33.3 | -250 | -333 | -9.84 |
| -44.0 | -330 | -440 | -13.0 |
| -45.3 | -340 | -453 | -13.4 |
| -46.7 | -350 | -467 | -13.8 |
| -53.3 | -400 | -533 | -15.7 |
| -60.0 | -450 | -600 | -17.7 |
| -66.7 | -500 | -667 | -19.7 |
| -73.3 | -550 | -733 | -21.7 |
| -80.0 | -600 | -800 | -23.6 |
| -93.3 | -700 | -933 | -27.6 |
| -100 | -750 | -1000 | -29.5 |
| ** -101.3 | -760 | -1013 | -29.9 |

压力 / Pressure

| from \ to | MPa | kgf/cm ² | bar | psig |
|---------------------|-----|---------------------|------|-------|
| MPa | 1 | 0.01 | 0.01 | 0.142 |
| kgf/cm ² | 100 | 1 | 1 | 14.2 |
| bar | 100 | 1 | 1 | 14.2 |
| psig | 7 | 0.07 | 0.07 | 1 |

真空 / Vacuum

| from \ to | kPa | mmHg | in.Hg | mbar |
|-----------|--------|-------|---------|--------|
| kPa | -1 | -7.50 | -0.295 | -10 |
| mmHg | -0.133 | -1 | -0.0394 | -1.335 |
| in. Hg | -3.39 | -25.4 | -1 | -33.92 |
| mbar | -0.1 | -0.75 | -0.0295 | -1 |

* 表压 / Gauge pressure

** 绝对真空 / Absolute vacuum



空气压缩泵 / AIR COMPRESSOR

DC 低压系列 / Low Pressure Series 线性驱动

活塞压缩泵

LINEAR Piston Compressor

DAH102-X1
P9

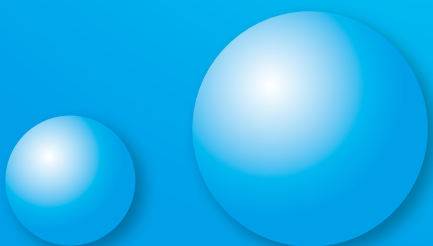
DAH102-Y1
P10

DAH105-X1
P11

DAH105-Y1
P12

DAH110-X1
P13

DAH110-Y1
P14



压缩泵



低 压

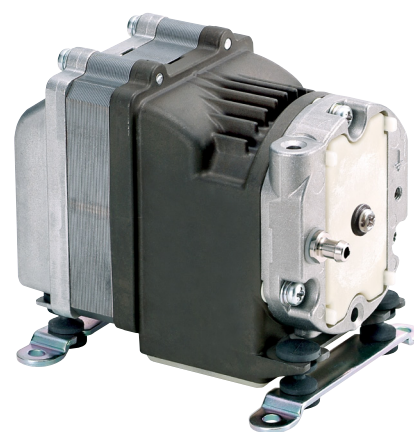
压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC

DAH102-X1 (12 V DC)

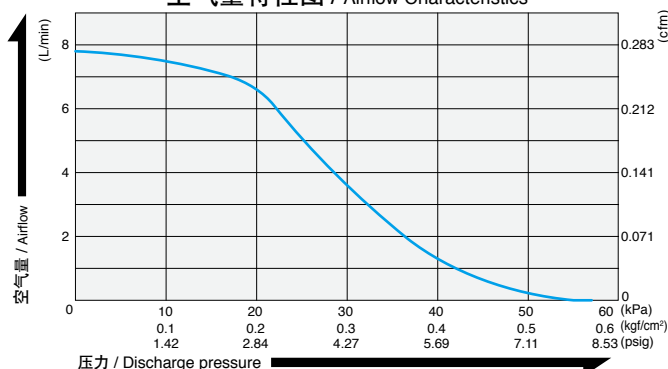


线性压缩泵
MOTOR FREE PISTON SYSTEM

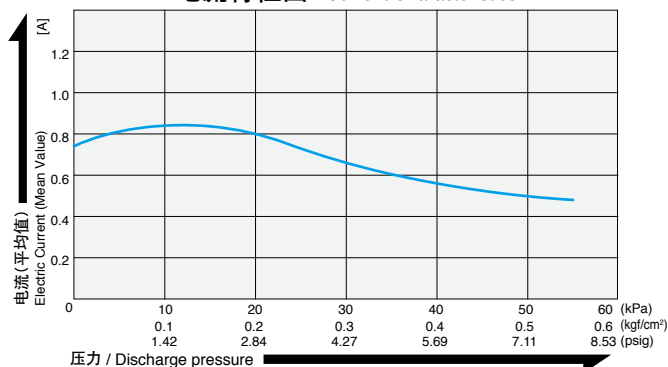


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-----------------------------------|-------------------|-----------|
| 额定压力 / Rated Pressure | 20 kPa {0.2 kgf/cm²} | 0.2 bar | 2.84 psig |
| 吐出空气量 / Rated Airflow | 5 L/min ※1 | | 0.177 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 50 kPa {0.5 kgf/cm²} | 0.5 bar | 7.11 psig |
| 电流(平均值) / Current (Mean Value) | 0.81A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

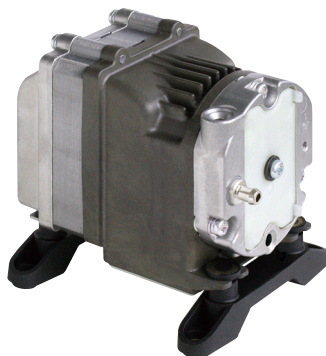
环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

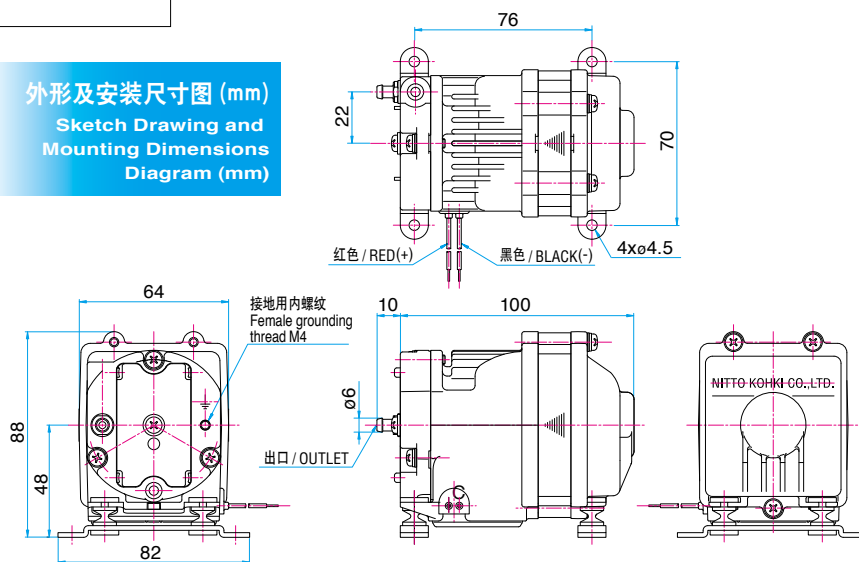
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

如有需要,可提供重载橡胶脚垫。
安装于便携式设备内时防止因掉落而损坏。
Heavy duty rubber feet available on request.
To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC

DAH102-Y1 (24 V DC)

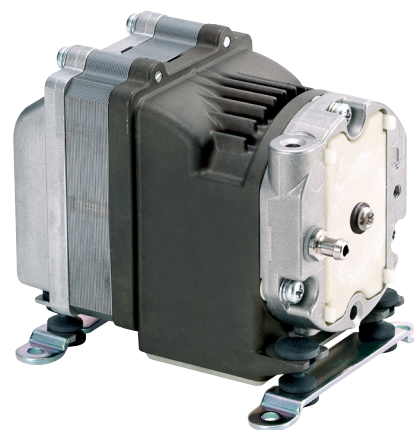


压缩泵



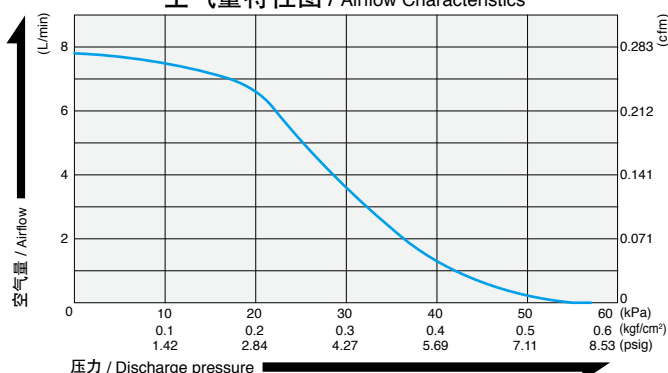
低压

线性压缩泵
MOTOR FREE PISTON SYSTEM

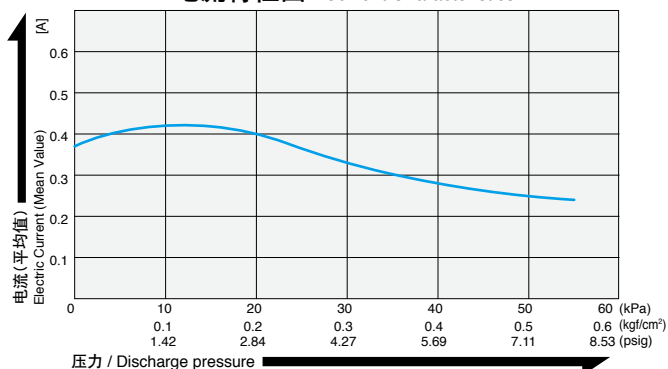


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-------------------------------------|-------------------|-----------|
| 额定压力 / Rated Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 吐出空气量 / Rated Airflow | 5 L/min ※1 | | 0.177 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 50 kPa {0.5 kgf/cm ² } | 0.5 bar | 7.11 psig |
| 电流(平均值) / Current (Mean Value) | 0.40A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

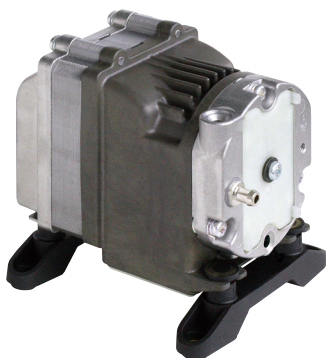
环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

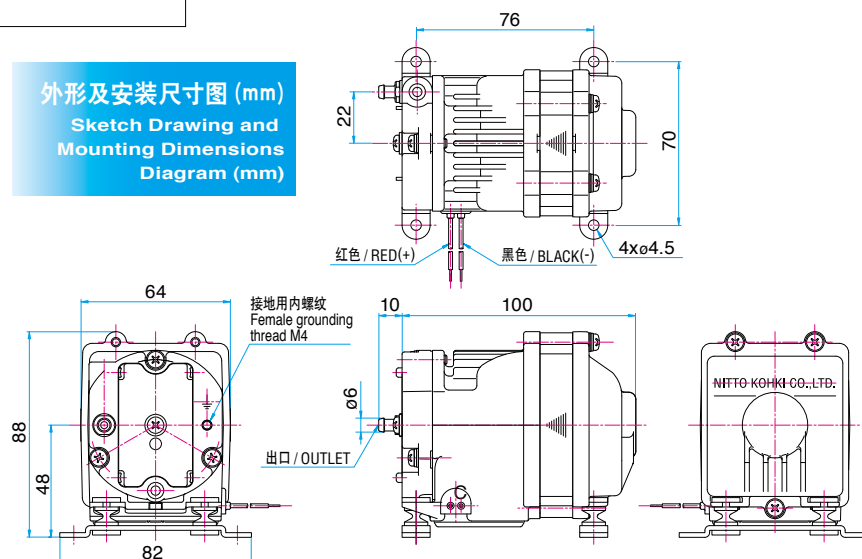
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

如有需要, 可提供重载橡胶脚垫。
安装于便携式设备内时防止因掉落而损坏。
Heavy duty rubber feet available on request.
To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC

DAH105-x1 (12 V DC)



压缩泵

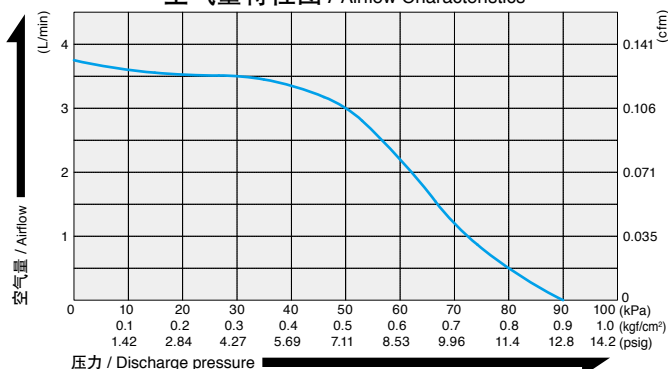


低压

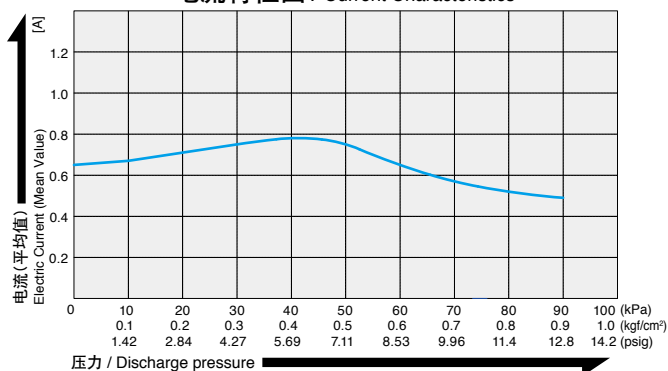
线性压缩泵
MOTOR FREE PISTON SYSTEM

空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-------------------------------------|-------------------|-----------|
| 额定压力 / Rated Pressure | 50 kPa {0.5 kgf/cm²} | 0.5 bar | 7.11 psig |
| 吐出空气量 / Rated Airflow | 2.5 L/min ※1 | | 0.088 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 80 kPa {0.8 kgf/cm²} | 0.8 bar | 11.4 psig |
| 电流(平均值) / Current (Mean Value) | 0.74A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

请务必阅读“产品目录使用指南”，确保正确使用。

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使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

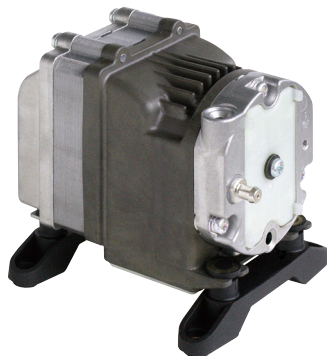
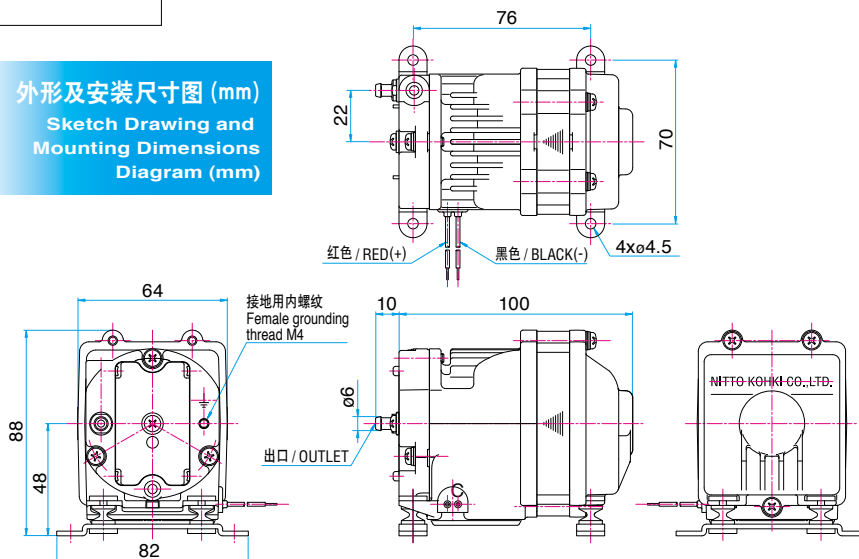
环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

如有需要, 可提供重载橡胶脚垫。
安装于便携式设备内时防止因掉落而损坏。
Heavy duty rubber feet available on request.
To prevent drop damage when located within portable devices.

外形及安装尺寸图 (mm)
Sketch Drawing and Mounting Dimensions Diagram (mm)

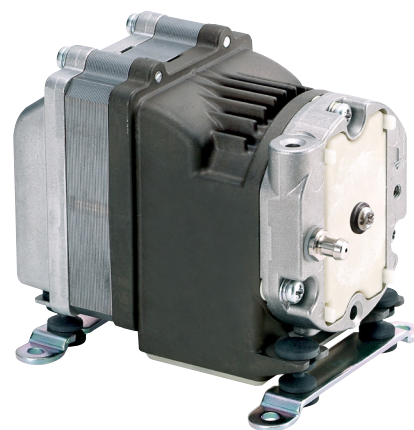
压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC

DAH105-Y1 (24 V DC)

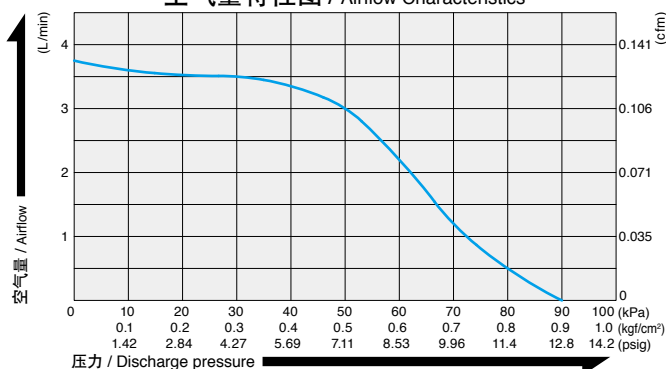


线性压缩泵
MOTOR FREE PISTON SYSTEM

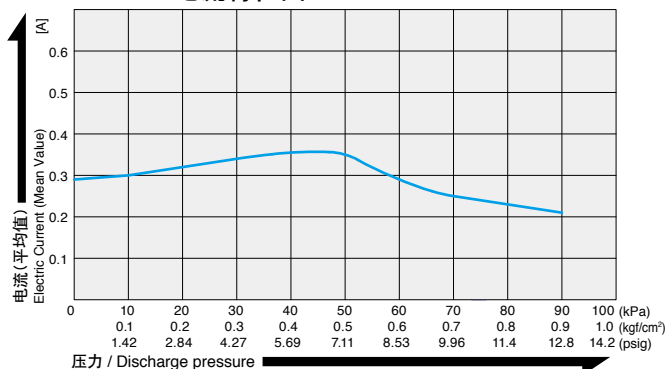


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-----------------------------------|-------------------|-----------|
| 额定压力 / Rated Pressure | 50 kPa {0.5 kgf/cm ² } | 0.5 bar | 7.11 psig |
| 吐出空气量 / Rated Airflow | 2.5 L/min ^{※1} | | 0.088 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 80 kPa {0.8 kgf/cm ² } | 0.8 bar | 11.4 psig |
| 电流(平均值) / Current (Mean Value) | 0.35A | | |
| 耐用时间 / Life Expectancy | 10,000小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

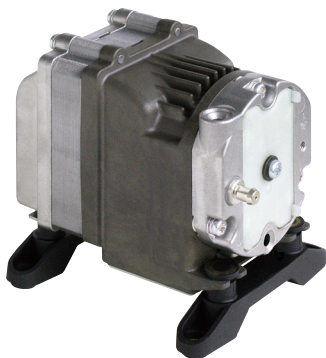
环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

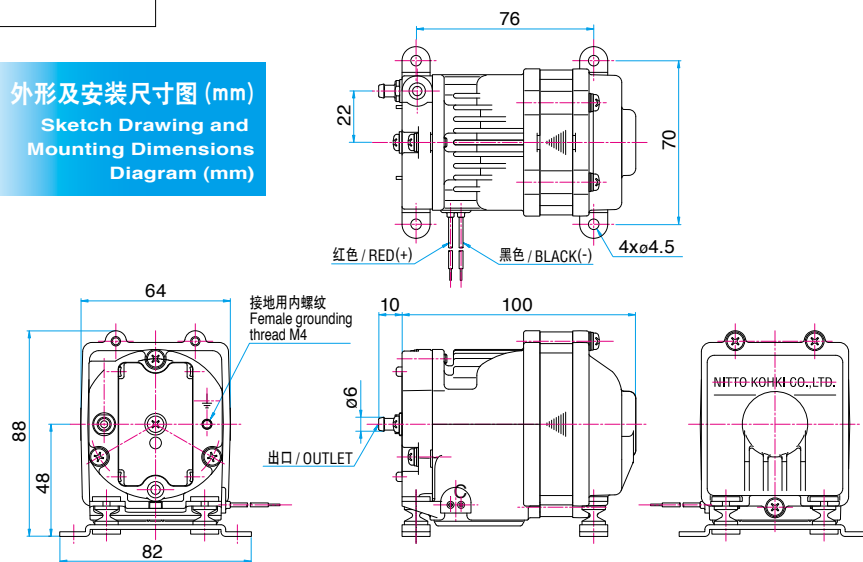
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

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安装于便携式设备内时防止因掉落而损坏。
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To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC



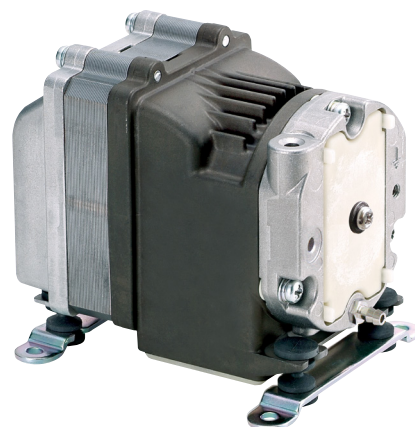
压缩泵



中压

线性压缩泵

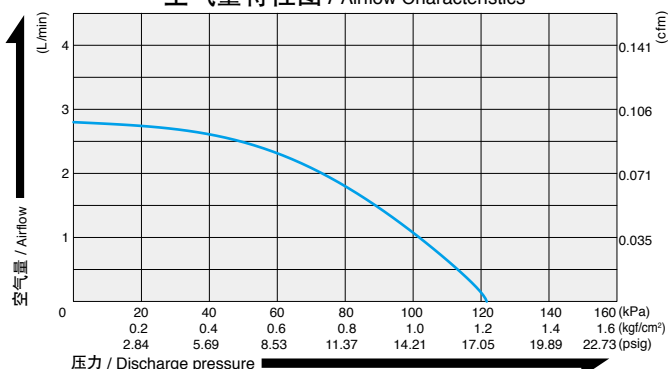
MOTOR FREE PISTON SYSTEM



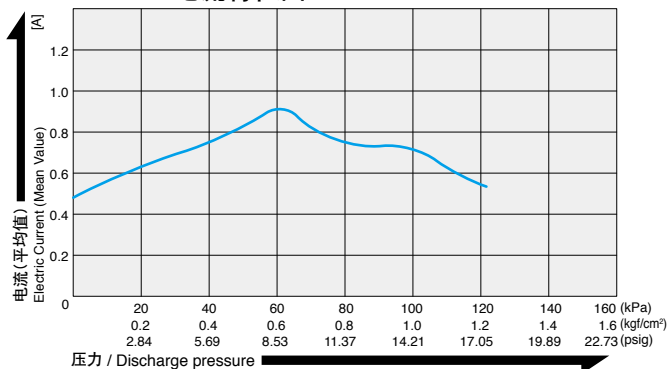
DAH110-x1 (12 V DC)

空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|-------------------|-----------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm ² } | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | 1.0 L/min ^{※1} | | 0.035 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 120 kPa {1.2 kgf/cm ² } | 1.2 bar | 17.1 psig |
| 电流(平均值) / Current (Mean Value) | 0.74A | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours (MTTF) | | |
| 吐出口尺寸 / Outlet | φ4.7mm (外径) 软管接头 / 4.7mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

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使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

如有需要, 可提供重载橡胶脚垫。

安装于便携式设备内时防止因掉落而损坏。

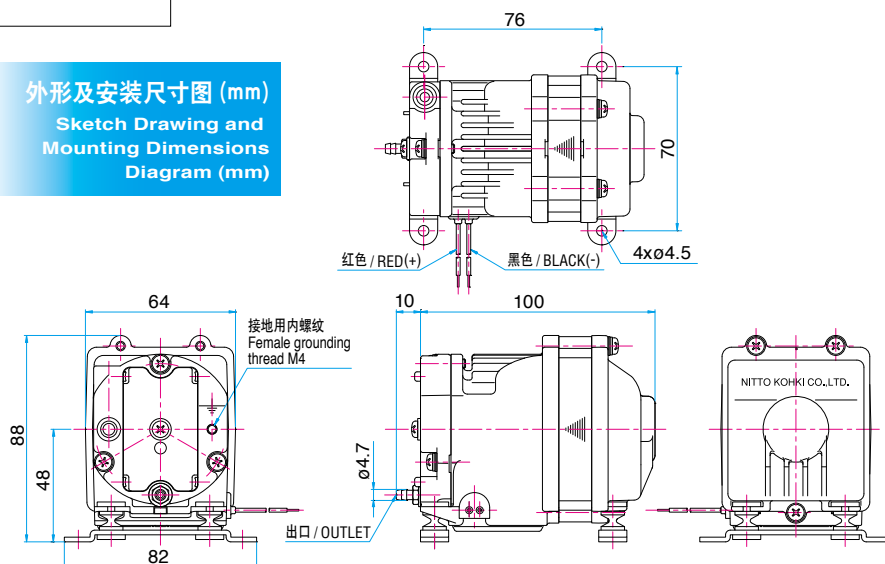
Heavy duty rubber feet available on request.

To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)

Sketch Drawing and Mounting Dimensions Diagram (mm)



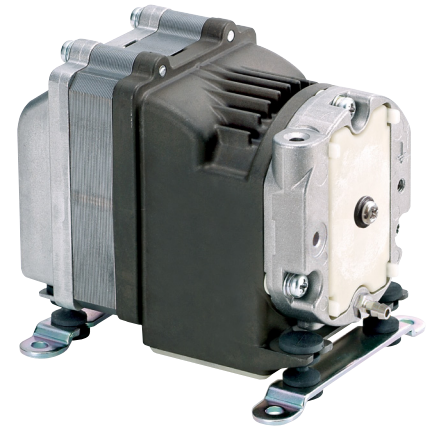
压缩泵 / COMPRESSOR

LINEAR 活塞DC / Piston DC

DAH110-Y1 (24 V DC)

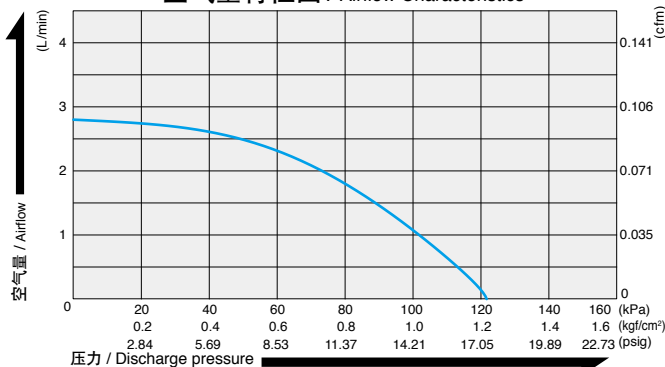


线性压缩泵
MOTOR FREE PISTON SYSTEM

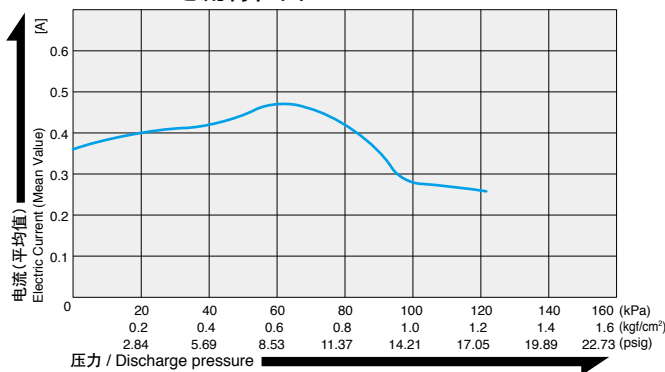


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---------------------------------------|-------------------|-----------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm²} | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | 1.0 L/min ^{※1} | | |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 120 kPa {1.2 kgf/cm²} | 1.2 bar | 17.1 psig |
| 电流(平均值) / Current (Mean Value) | 0.27A | | |
| 耐用时间 / Life Expectancy | 5,000小时 / 5,000 hours (MTTF) | | |
| 吐出口尺寸 / Outlet | φ4.7mm(外径)软管接头 / 4.7mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 额定压力下的排气量。 / Air displacement at rated pressure.

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使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

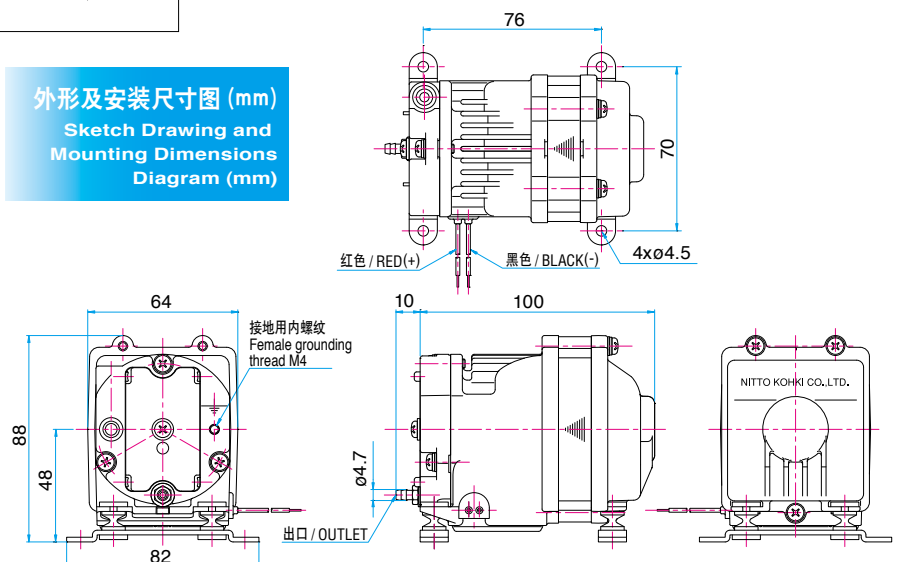
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

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外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)





真空泵 / VACUUM PUMP

DC 线性驱动

活塞真空泵

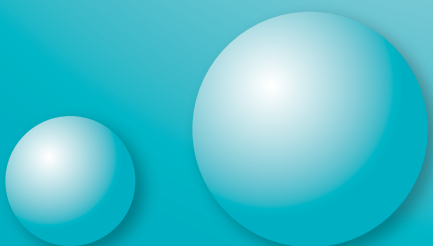
LINEAR Piston Vacuum Pump

DVH130-X1
P17

DVH130-Y1
P18

DVH145-X1
P19

DVH145-Y1
P20



真空度

真空泵 / VACUUM PUMP

LINEAR 活塞DC / Piston DC

DVH130-x1 (12 V DC)

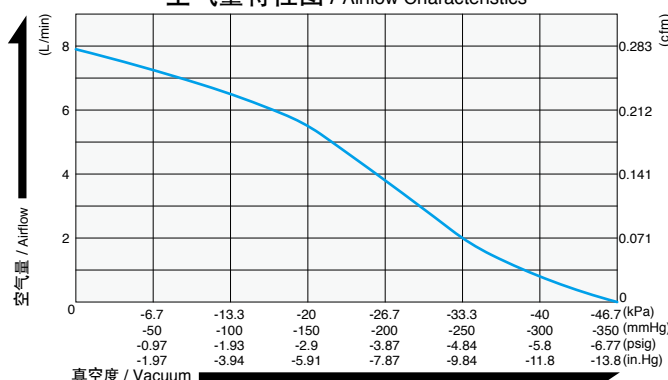


线性压缩泵
MOTOR FREE PISTON SYSTEM

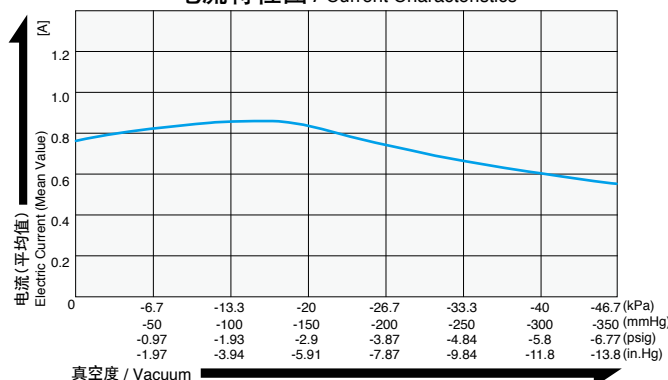


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-------------------------------------|-------------------|-------------|
| 达到真空度 / Attainable Vacuum | -40 kPa (-300 mmHg) | -400 mbar | -11.8 in.Hg |
| 吐出空气量 / Free Air Displacement | 7 L/min ^{※1} | | 0.247 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 电流(平均值) / Current (Mean Value) | 0.86A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 空载运转时的排气量。 / Air displacement at no-load operation.

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使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

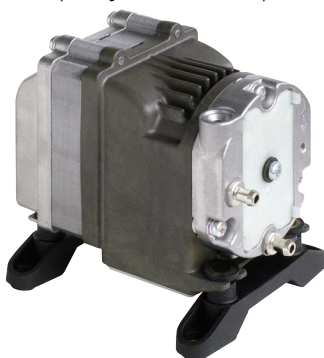
环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

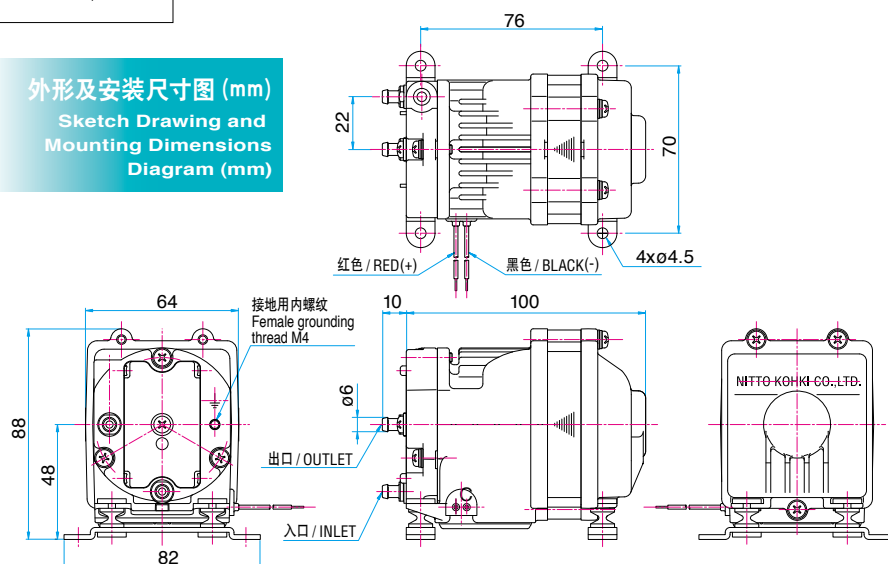
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

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安装于便携式设备内时防止因掉落而损坏。
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To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR 活塞DC / Piston DC

DVH130-Y1 (24 V DC)

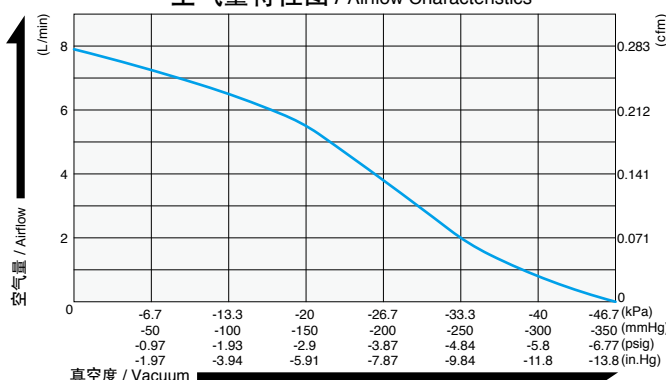


线性压缩泵
MOTOR FREE PISTON SYSTEM

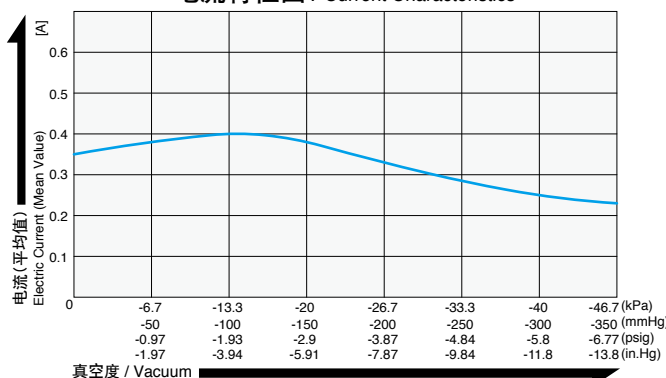


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-----------------------------------|-------------------|-------------|
| 达到真空度 / Attainable Vacuum | -40 kPa (-300 mmHg) | -400 mbar | -11.8 in.Hg |
| 吐出空气量 / Free Air Displacement | 7 L/min ^{※1} | | 0.247 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 电流(平均值) / Current (Mean Value) | 0.41A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 空载运转时的排气量。 / Air displacement at no-load operation.
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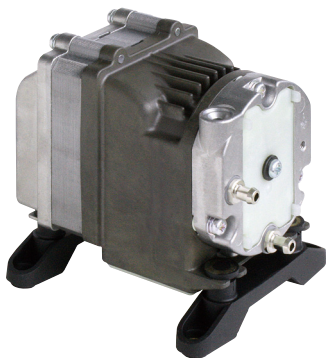
使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C
环境湿度 / Ambient Humidity: 30 - 85%
流体: 空气 / Fluid: Air

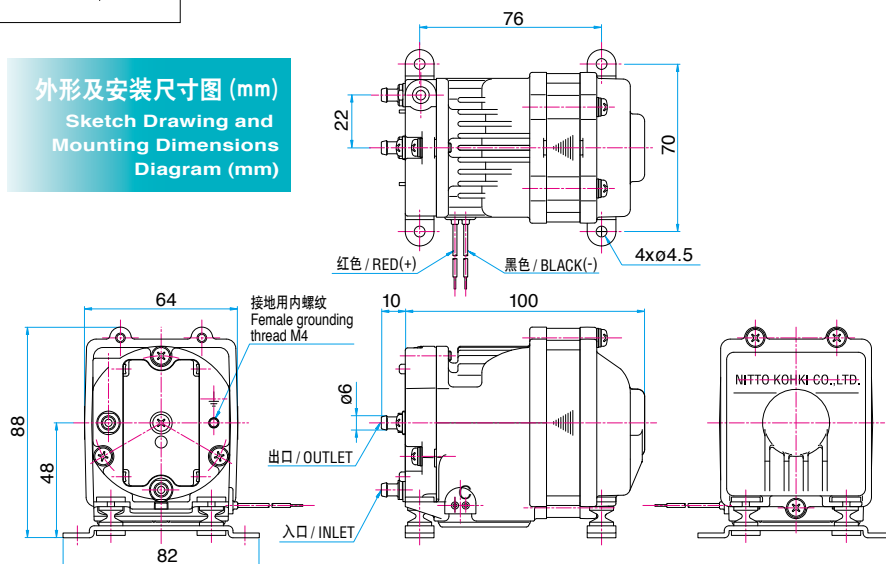
用途例 / Applications

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外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR 活塞DC / Piston DC

DVH145-x1 (12 V DC)

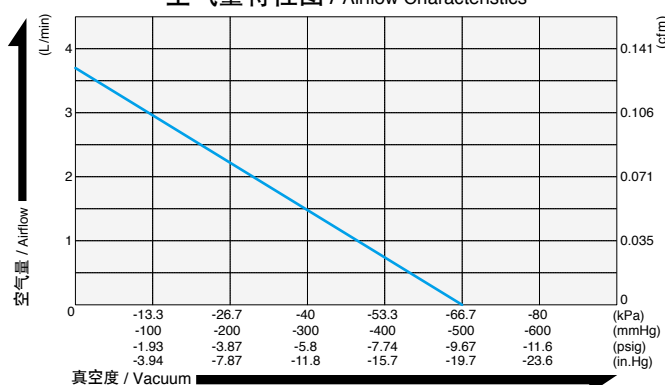


线性压缩泵
MOTOR FREE PISTON SYSTEM

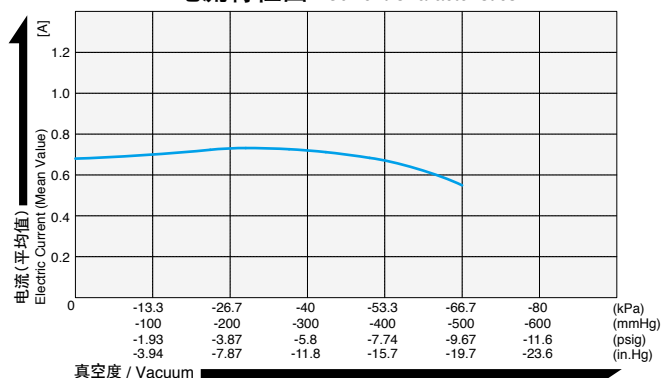


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-------------------------------------|-------------------|-------------|
| 达到真空度 / Attainable Vacuum | -60 kPa (-450 mmHg) | -600 mbar | -17.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 3 L/min ※1 | | 0.106 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 电流(平均值) / Current (Mean Value) | 0.73 A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 空载运转时的排气量。 / Air displacement at no-load operation.

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使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C

环境湿度 / Ambient Humidity: 30 - 85%

流体: 空气 / Fluid: Air

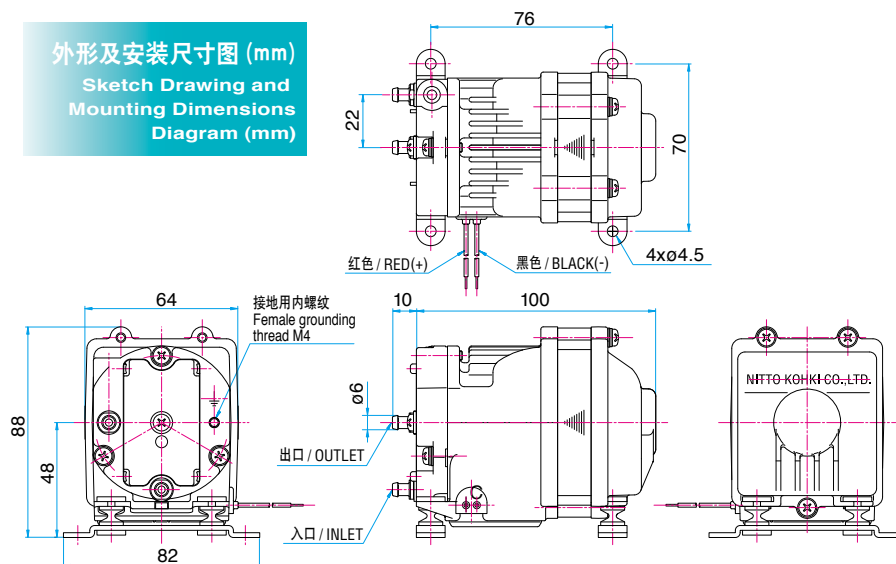
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

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安装于便携式设备内时防止因掉落而损坏。
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外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR 活塞DC / Piston DC

DVH145-Y1 (24 V DC)

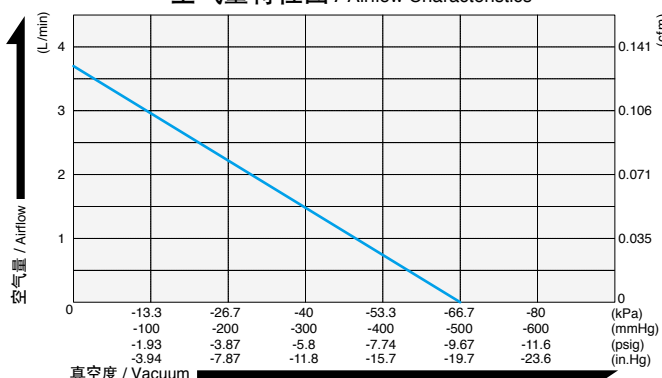


线性压缩泵
MOTOR FREE PISTON SYSTEM

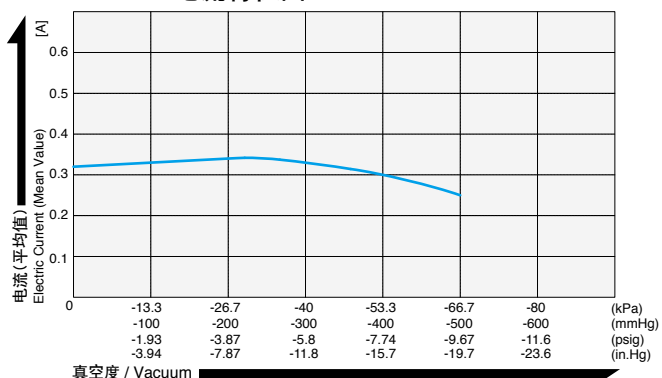


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|-----------------------------------|-------------------|-------------|
| 达到真空度 / Attainable Vacuum | -60 kPa (-450 mmHg) | -600 mbar | -17.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 3 L/min ^{※1} | | 0.106 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 电流(平均值) / Current (Mean Value) | 0.34 A | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 / A or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 76 mm(L) x 70 mm(W) | 3"(L) x 2-3/4"(W) | |
| 本体重量 / Gross Weight | 0.91 kg | 2.01 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 空载运转时的排气量。 / Air displacement at no-load operation.
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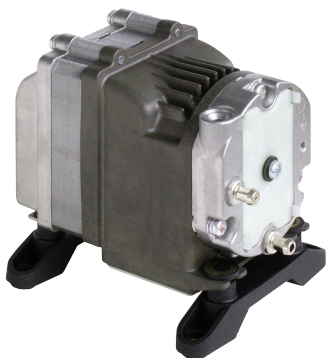
使用条件 / General Conditions

环境温度 / Ambient Temperature: 0 - 40°C
环境湿度 / Ambient Humidity: 30 - 85%
流体: 空气 / Fluid: Air

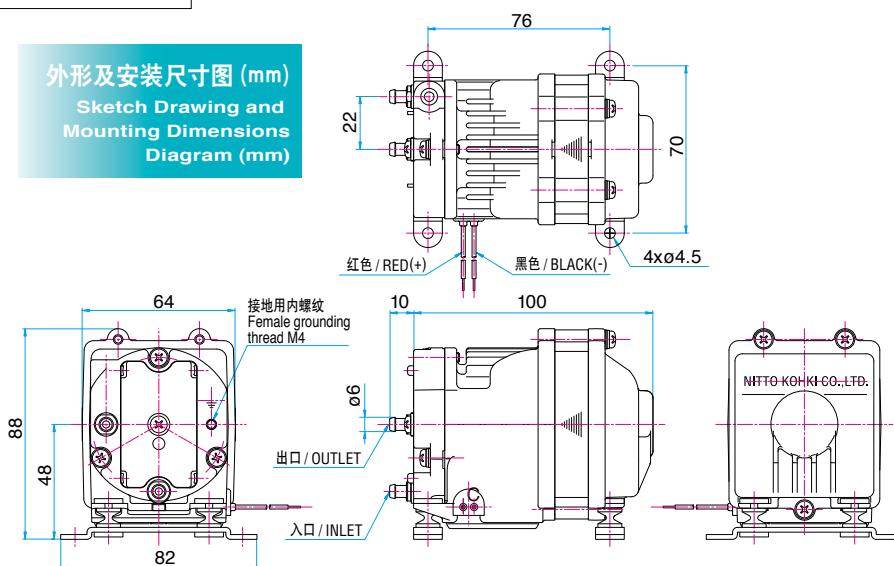
用途例 / Applications

医疗设备、分析仪等 / Medical equipment, analyzers, etc.

如有需要, 可提供重载橡胶脚垫。
安装于便携式设备内时防止因掉落而损坏。
Heavy duty rubber feet available on request.
To prevent drop damage when located within portable devices.



外形及安装尺寸图 (mm)
Sketch Drawing and
Mounting Dimensions
Diagram (mm)



空气压缩泵 / AIR COMPRESSOR

AC 线性驱动

低压系列 / Low Pressure Series

活塞压缩泵

LINEAR Piston Compressor

AC0102
P23

AC 0201A
P24

AC0301A
P25

AC0401A
P26

AC0602
P27

AC0901
P28

AC0902
P29



压缩泵



低 压

压缩泵 / COMPRESSOR

LINEAR

Ac0102



压缩泵



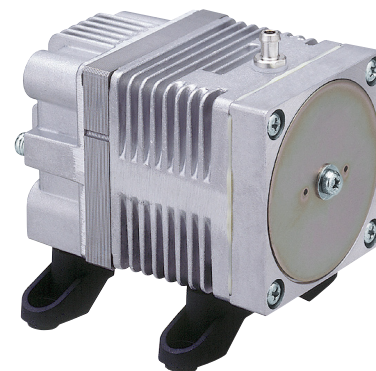
低 压



115V/230V

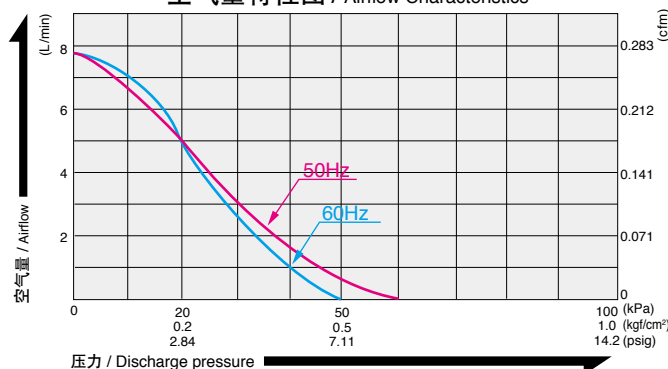


230V

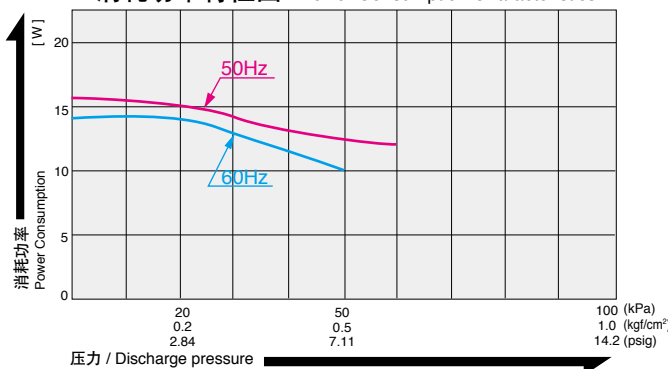
线性压缩泵
MOTOR FREE PISTON SYSTEM

空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

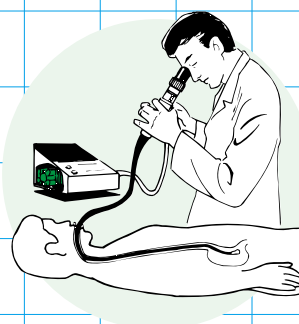


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|---------|-----------|
| 额定压力 / Rated Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 吐出空气量 / Rated Airflow | 5 L/min | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 40 kPa {0.4 kgf/cm ² } | 0.4 bar | 5.69 psig |
| 消耗功率 / Power Consumption | 14 W / 15 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 48 (L) x 62 (W) mm | | |
| 本体重量 / Gross Weight | 0.7 kg | | 1.54 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

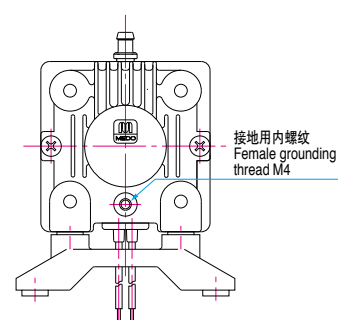
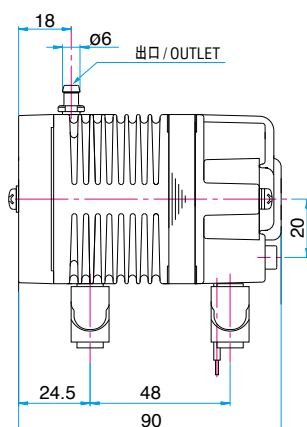
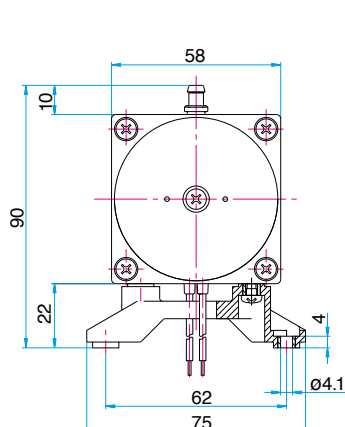


内窥镜 / Endoscope



血压计 / Blood Pressure Tester

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR



压缩泵



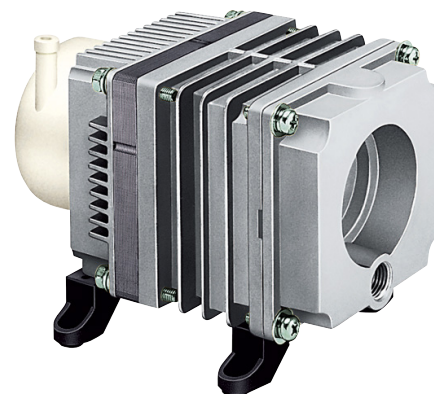
低压



115V



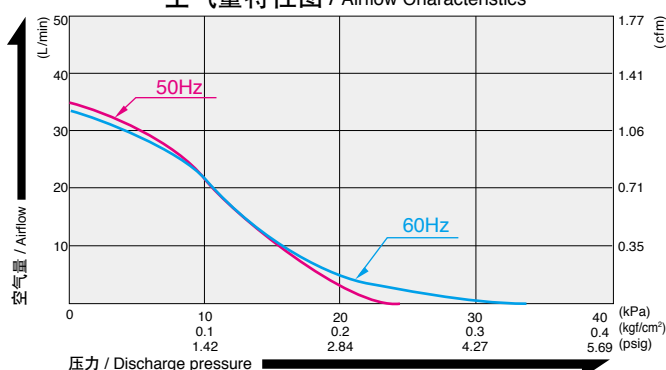
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

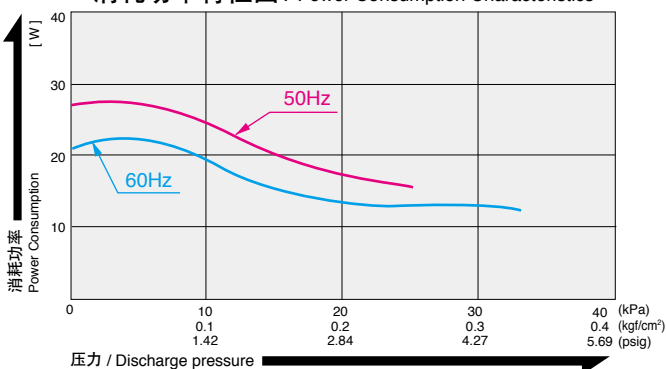
Ac0201A

空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

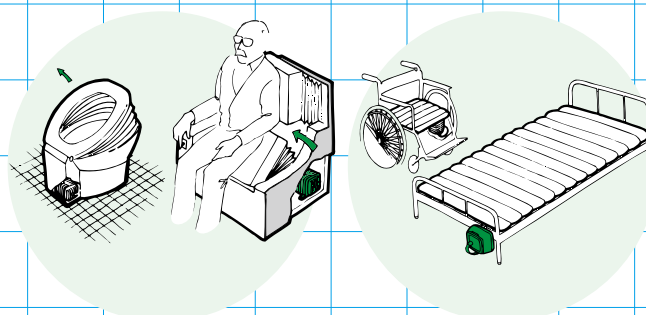


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|---------|-----------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 20 L/min | | |
| | 0.71 cfm | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 消耗功率 / Power Consumption | 19 W / 23 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 6,000 小时 / 6,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 73 (L) x 88 (W) mm | | |
| | 2-7/8"(L) x 3-15/32"(W) | | |
| 本体重量 / Gross Weight | 1.5 kg | | 3.3 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

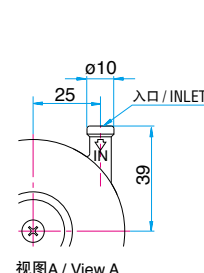
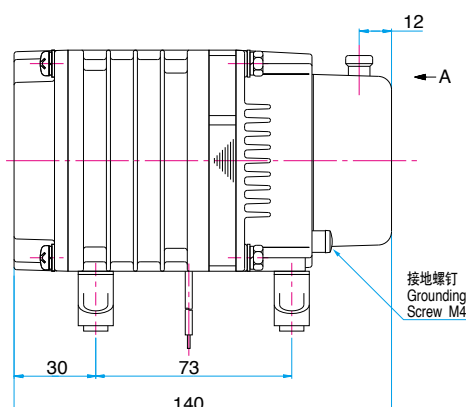
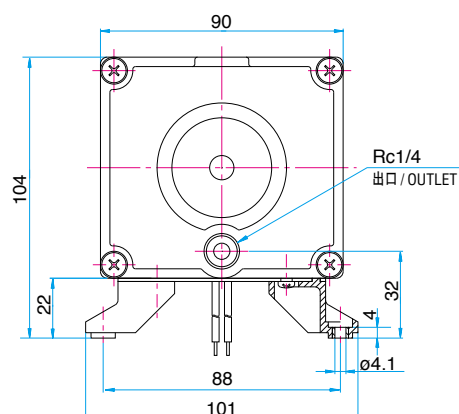
用途例 / Application Examples



空气式起立辅助器 / Seat Lifter

防褥疮垫 / Bed Sore Prevention Mattress

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR

Ac0301A



压缩泵



低 压

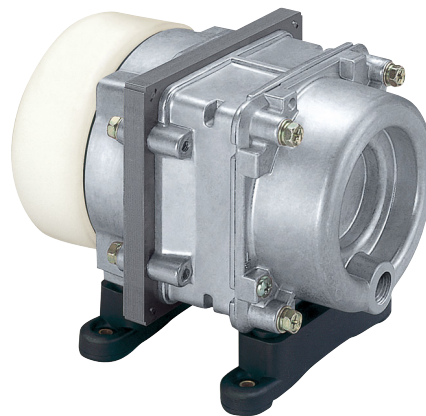


115V



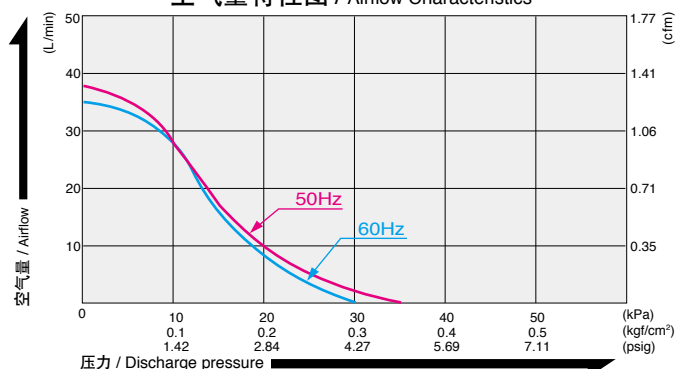
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

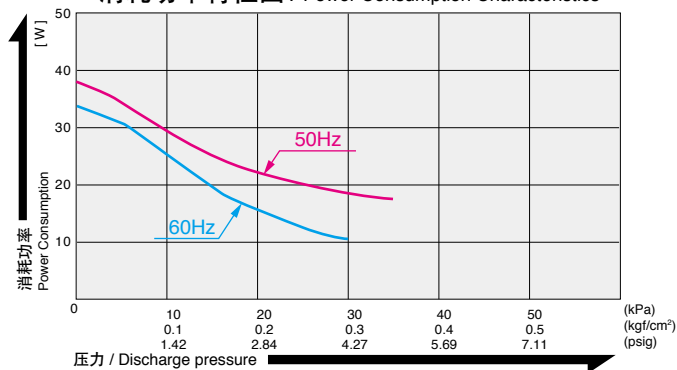


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

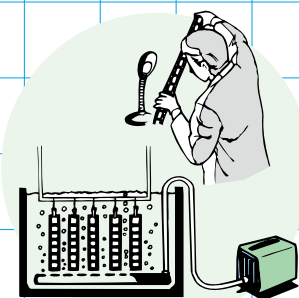


规格 / Specifications

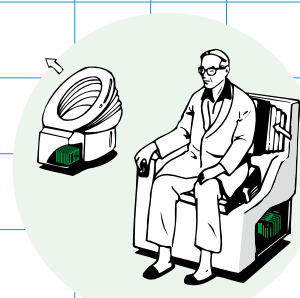
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|----------------------------|-----------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 28 L/min | | 0.99 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 30 kPa {0.3 kgf/cm ² } | 0.3 bar | 4.27 psig |
| 消耗功率 / Power Consumption | 25 W / 29 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | 2-11/16" (L) x 3-5/16" (W) | |
| 本体重量 / Gross Weight | 1.9 kg | 4.2 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

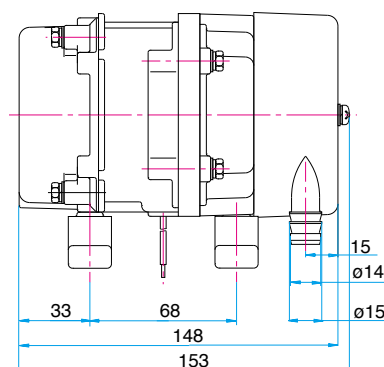
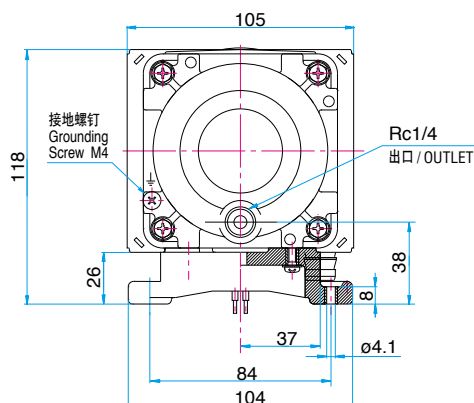


液体搅拌 / Liquid Mixer



空气式起立辅助器 / Seat Lifter

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR



压缩泵



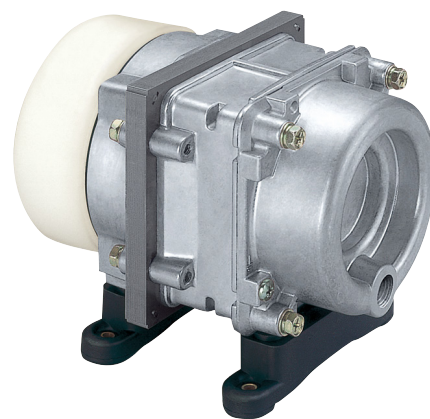
低 压



120V



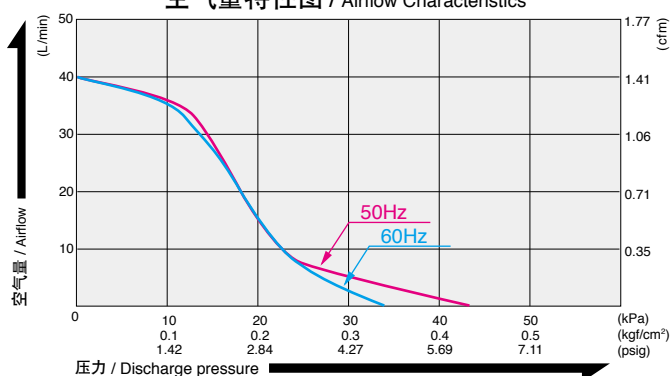
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

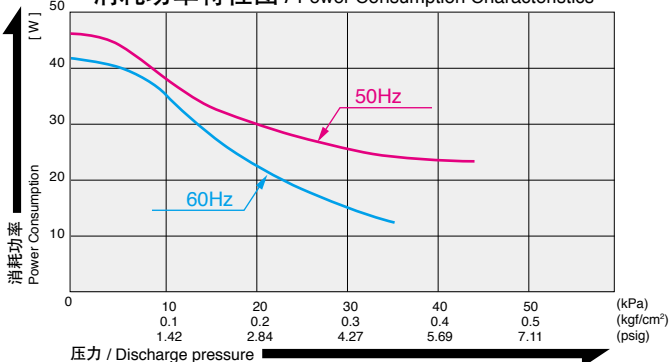
Ac0401A

空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

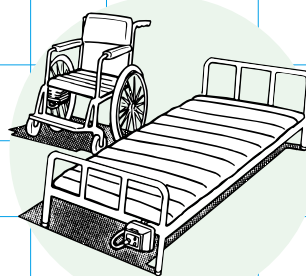


规格 / Specifications

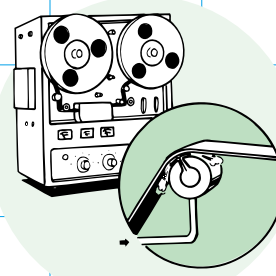
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|----------|-----------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 35 L / min | | |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 35 MPa {0.35 kgf/cm ² } | 0.35 bar | 4.98 psig |
| 消耗功率 / Power Consumption | 35 W or 38 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | | |
| 本体重量 / Gross Weight | 1.9 kg | | |
| 导线长度 / Leadwire Length | 200 mm | | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

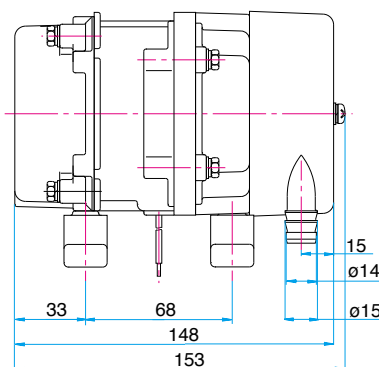
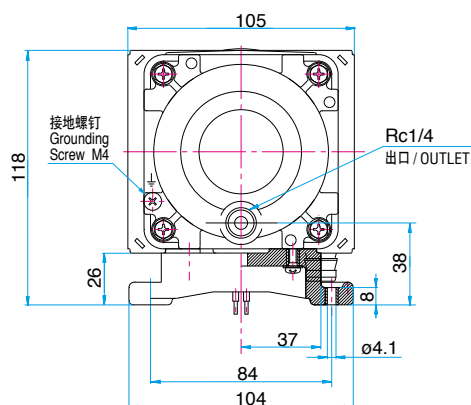


防褥疮垫 / Bed Sore Prevention Mattress



空气轴承 / Air Bearing

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR

Ac0602



压缩泵



低 压



115V



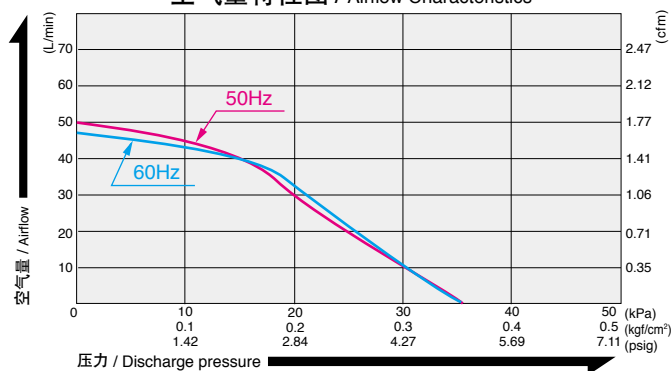
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

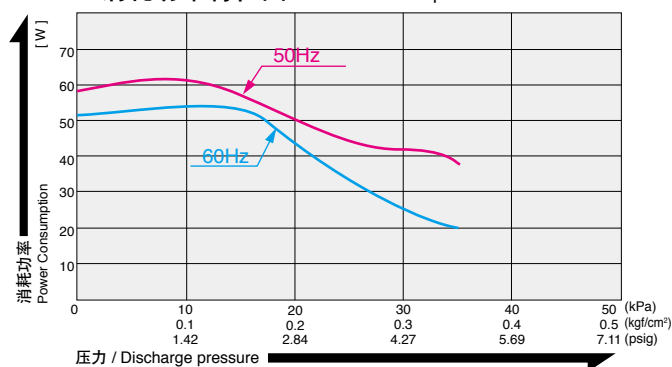


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

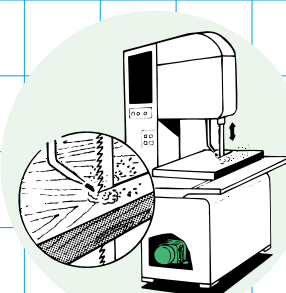


规格 / Specifications

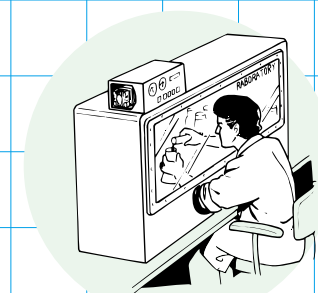
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|----------|----------------------------|
| 额定压力 / Rated Pressure | 15 kPa {0.15 kgf/cm ² } | 0.15 bar | 2.13 psig |
| 吐出空气量 / Rated Airflow | 40 L/min | | 1.41 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 35 kPa {0.35 kgf/cm ² } | 0.35 bar | 4.98 psig |
| 消耗功率 / Power Consumption | 52 W / 58 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | | 2-11/16" (L) x 3-5/16" (W) |
| 本体重量 / Gross Weight | 3 kg | | 6.6 Lbs. |
| 导线长度 / Leadwire Length | 250 mm / 350 mm | | 9-13/16" (115V) |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

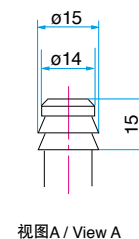
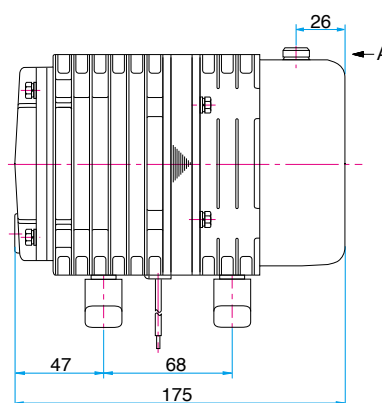
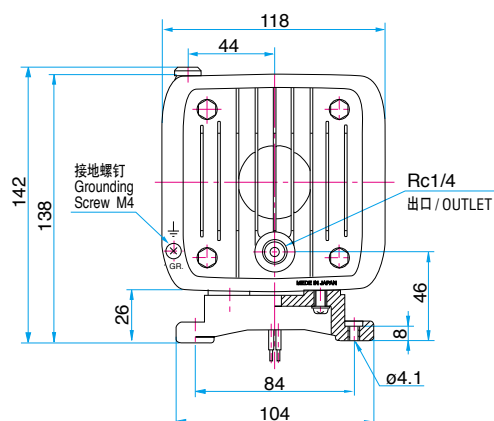


带锯阻塞防止 / Air Blaster for Bandsaw



洁净空气工作室 / Clean Room Ventilation

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图A / View A

压缩泵 / COMPRESSOR

LINEAR

Ac0901



压缩泵



低 压

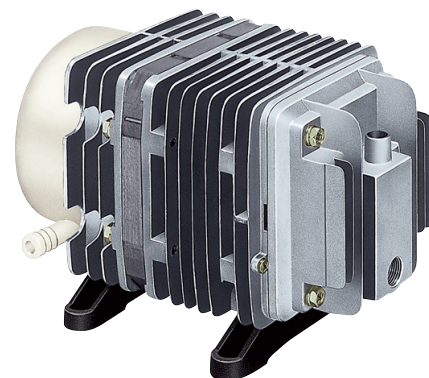


120V/230V



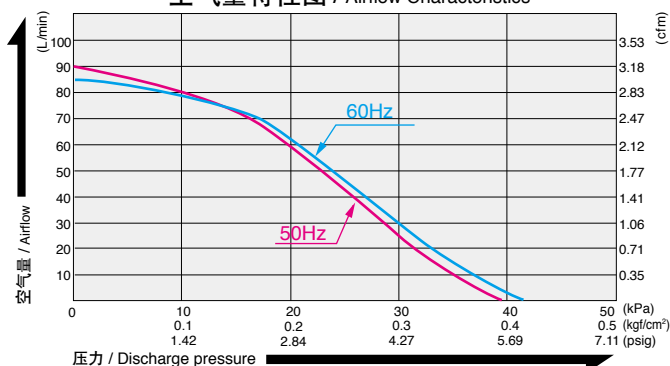
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

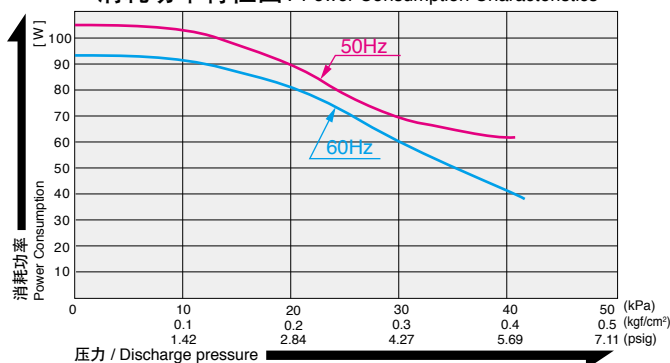


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

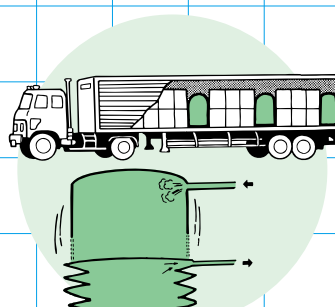


规格 / Specifications

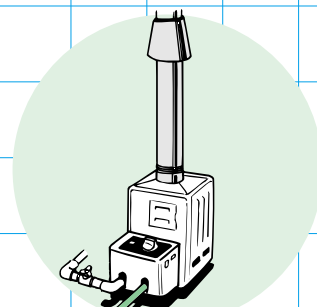
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---------------------|-----------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm²} | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 80 L/min | | |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 40 kPa {0.4 kgf/cm²} | 0.4 bar | 5.69 psig |
| 消耗功率 / Power Consumption | 88 W / 99 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 3/8 (内螺纹) / ISO Rc 3/8 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | 4" (L) x 5-1/8" (W) | |
| 本体重量 / Gross Weight | 4.9 kg | 10.8 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm / 400 mm | 11-13/16" (120 V) | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

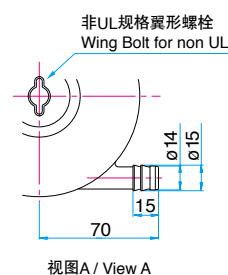
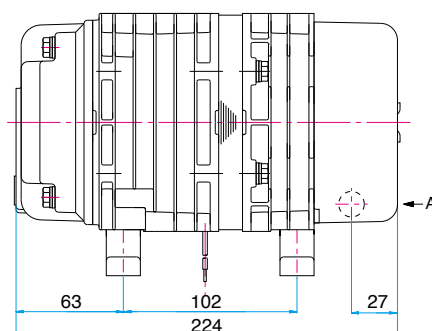
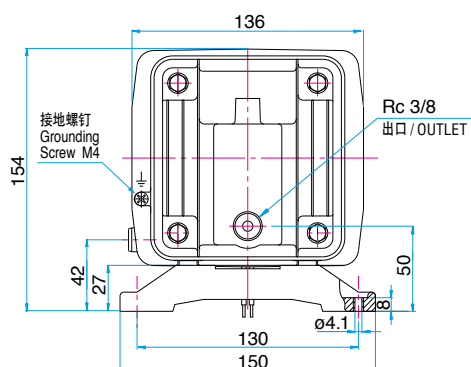


气囊垫 (卡车装货用)
Pneumatic Jack



煤气燃烧器的空气源
Gas Burner Booster

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图 A / View A

压缩泵 / COMPRESSOR

LINEAR

Ac0902



压缩泵



低 压

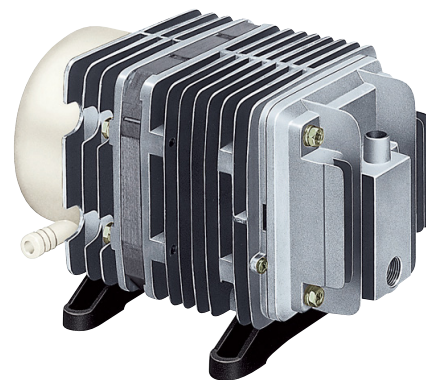


115V



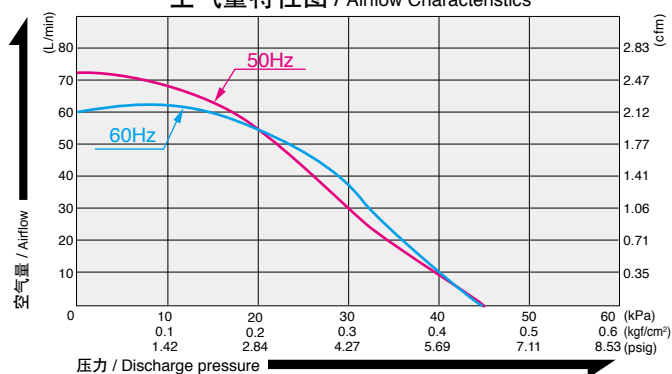
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

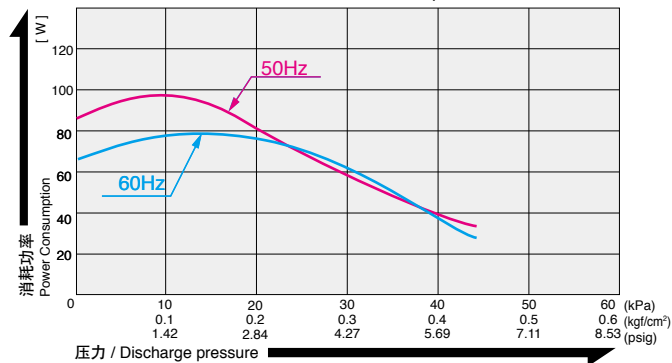


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

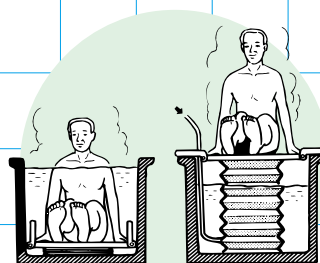


规格 / Specifications

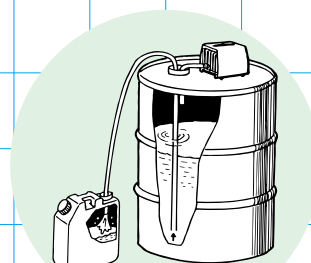
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|----------|---------------------|
| 额定压力 / Rated Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 吐出空气量 / Rated Airflow | 55 L/min | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 45 kPa {0.45 kgf/cm ² } | 0.45 bar | 6.4 psig |
| 消耗功率 / Power Consumption | 75 W / 85 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 3/8 (内螺纹) / ISO Rc 3/8 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | | 4" (L) x 5-1/8" (W) |
| 本体重量 / Gross Weight | 4.9 kg | | 10.8 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" (115V) |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

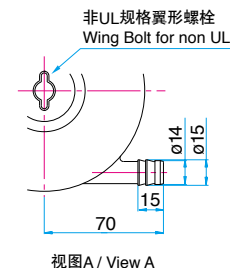
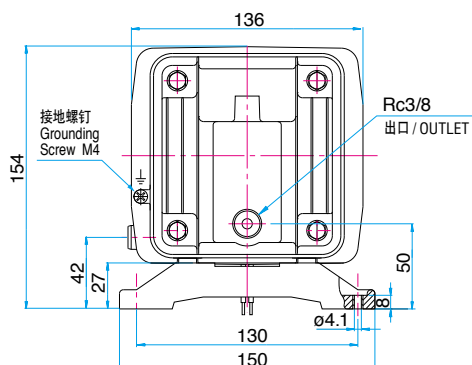


浴缸用空气提升器 / Air Lifter for Bathtub



液体压送 / Liquid Dispenser

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图A / View A



空气压缩泵 / AIR COMPRESSOR

AC 中压系列 / Intermediate Pressure Series

线性驱动

活塞压缩泵

LINEAR Piston Compressor

AC0105
P31

AC 0110
P32

AC0207
P33

AC0410A
P34

AC0610
P35

AC0910
P36

AC0920
P37



Compressor
压缩泵



Intermediate
中压

压缩泵 / COMPRESSOR

LINEAR

Ac0105



压缩泵



中压

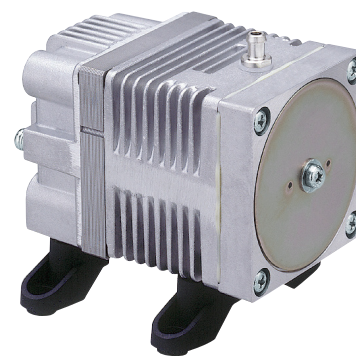


115V



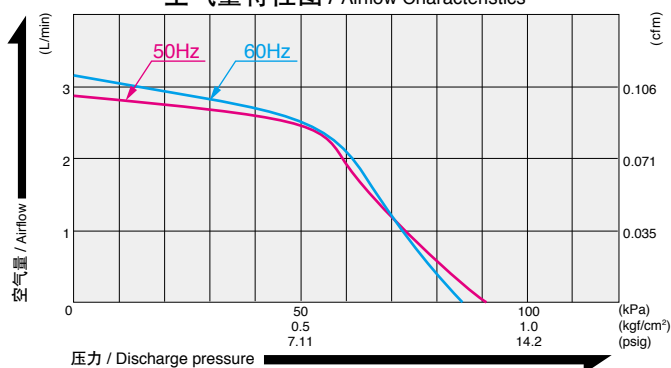
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

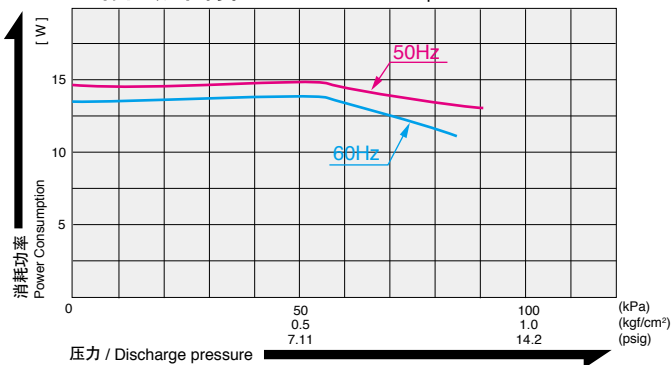


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

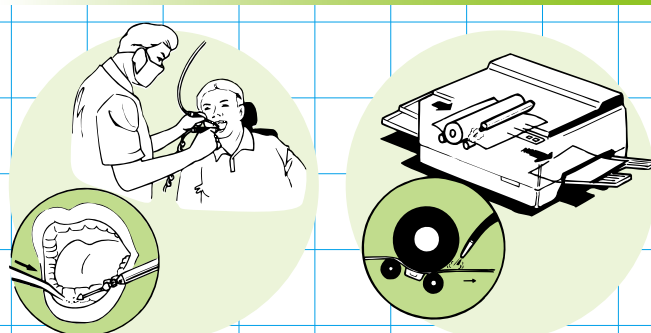


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---------|--------------------------|
| 额定压力 / Rated Pressure | 50 kPa {0.5 kgf/cm ² } | 0.5 bar | 7.11 psig |
| 吐出空气量 / Rated Airflow | 2.5 L/min | | 0.088 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 80 kPa {0.8 kgf/cm ² } | 0.8 bar | 11.4 psig |
| 消耗功率 / Power Consumption | 14 W / 15 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 | | |
| 吐出口尺寸 / Outlet | φ6 mm (外径) 软管接头 / 6 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 60 分钟 / 60 minutes | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 48 (L) x 62 (W) mm | | 1-7/8" (L) x 2-7/16" (W) |
| 本体重量 / Gross Weight | 0.7 kg | | 1.54 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

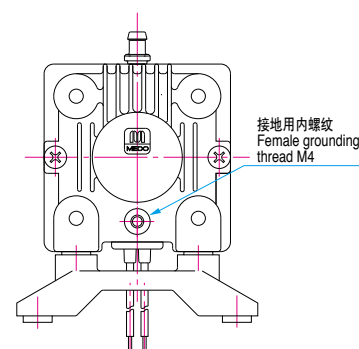
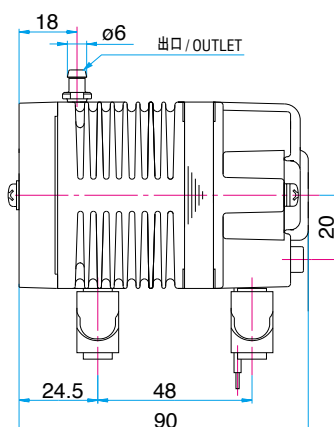
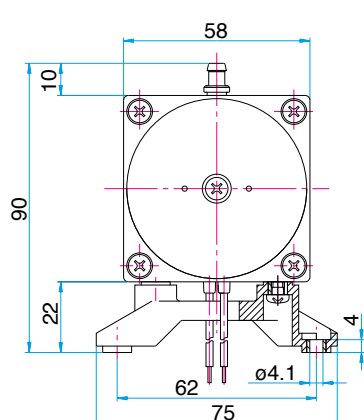
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



生理盐水喷射 / Saline Water Splasher 复印机 (复印纸的分离) / Copy Paper Separator

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



接地用内螺纹
Female grounding
thread M4

LINEAR



压缩泵



中压



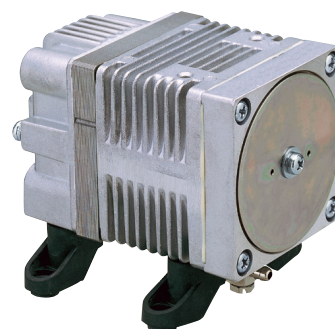
115V



230V

线性压缩泵

MOTOR FREE PISTON SYSTEM



规格 / Specifications

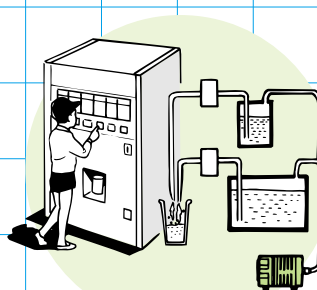
2500 Series Compressor / Airflow Characteristics

| Discharge pressure (kPa) | Discharge pressure (kgf/cm ²) | Discharge pressure (psig) | 60Hz Airflow (L/min) | 50Hz Airflow (L/min) |
|--------------------------|---|---------------------------|----------------------|----------------------|
| 0 | 0.0 | 0.0 | 3.0 | 2.5 |
| 50 | 0.5 | 7.11 | 3.0 | 2.5 |
| 100 | 1.0 | 14.2 | 1.5 | 1.0 |
| 142 | 1.42 | 20.5 | 0.0 | 0.0 |
| 150 | 1.5 | 21.3 | - | - |

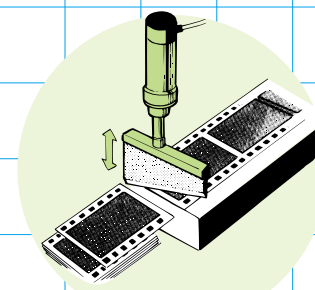
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|---------|-----------------------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm ² } | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | 0.8 L/min | | 0.028 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 120 kPa {1.2 kgf/cm ² } | 1.2 bar | 17.1 psig |
| 消耗功率 / Power Consumption | 12 W / 15 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吐出口尺寸 / Outlet | φ6mm(外径)软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 30 分钟 / 30 minutes | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 48 (L) x 62 (W) mm | | 1-7/8" L x 2-7/16"(W) |
| 本体重量 / Gross Weight | 0.7 kg | | 1.54 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps

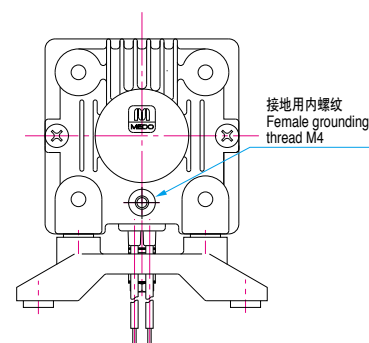
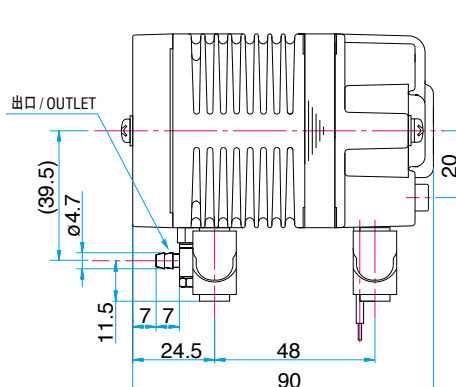
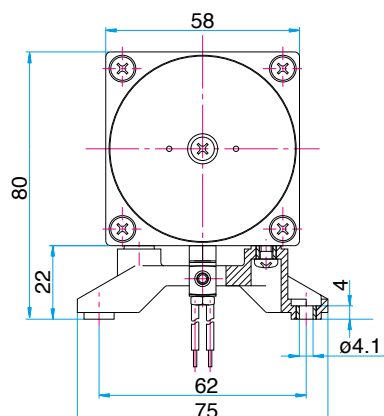
用途例 / Application Examples



自动销售机 / Automatic Dispenser



胶片裁切装置 / Film Cutter



压缩泵 / COMPRESSOR

LINEAR



压缩泵



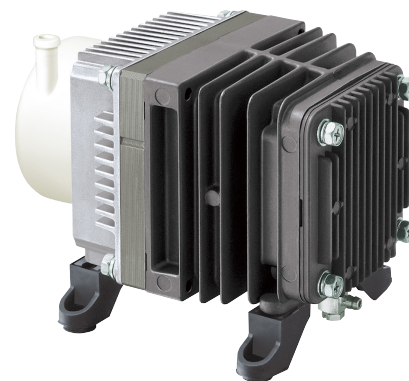
中压



115V



230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

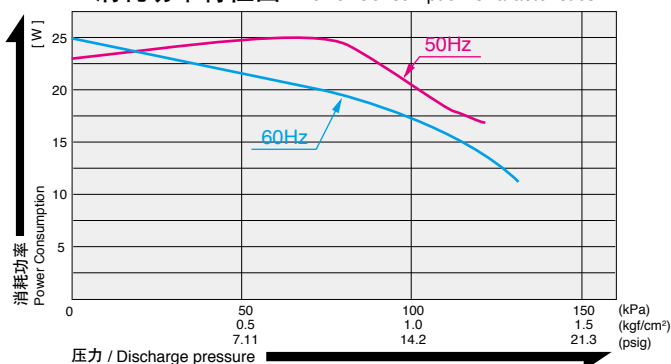
Ac0207

空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

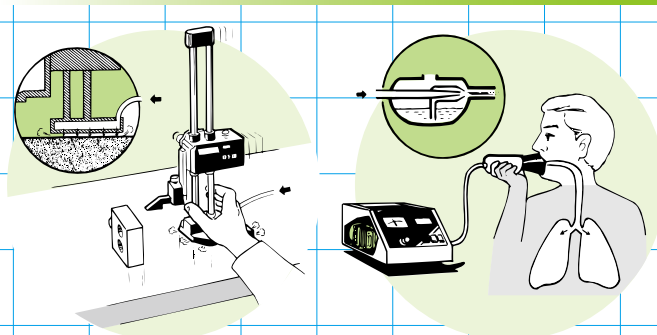


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|-----------------------------|-----------|
| 额定压力 / Rated Pressure | 70 kPa {0.7 kgf/cm²} | 0.7 bar | 9.96 psig |
| 吐出空气量 / Rated Airflow | 3.5 L/min | | |
| | 0.124 cfm | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 100 kPa {1.0 kgf/cm²} | 1.0 bar | 14.2 psig |
| 消耗功率 / Power Consumption | 20 W / 25 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吐出口尺寸 / Outlet | φ4.7mm (外径) 软管接头 / 4.7mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) or B for UL | | |
| 安装尺寸 / Mounting Dimensions | 75 (L) x 88 (W) mm | 2-15/16" (L) x 3-15/32" (W) | |
| 本体重量 / Gross Weight | 1.7 kg | 3.7 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

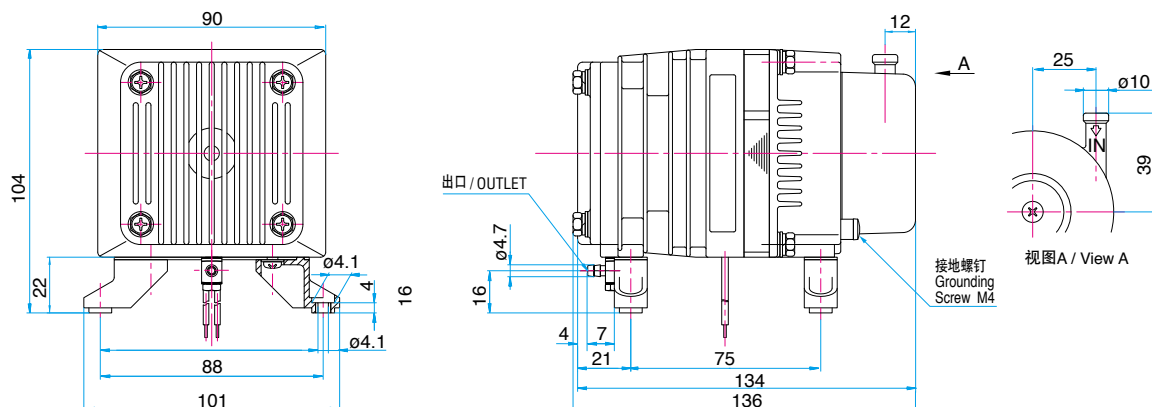
用途例 / Application Examples



气浮式精密测量仪 / Air Bearing for Precision Machines

雾化器 / Nebulizer

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩泵 / COMPRESSOR

LINEAR

Ac0410A



压缩泵



中压



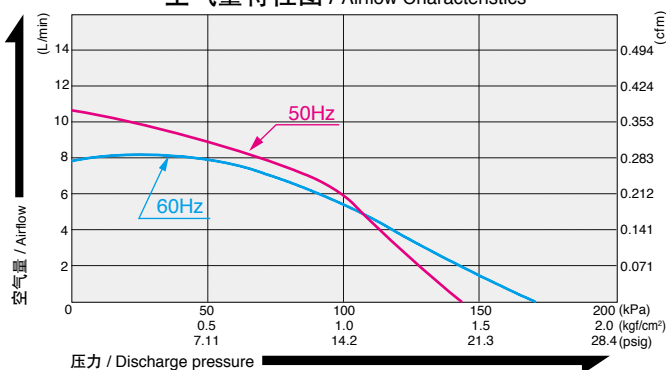
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

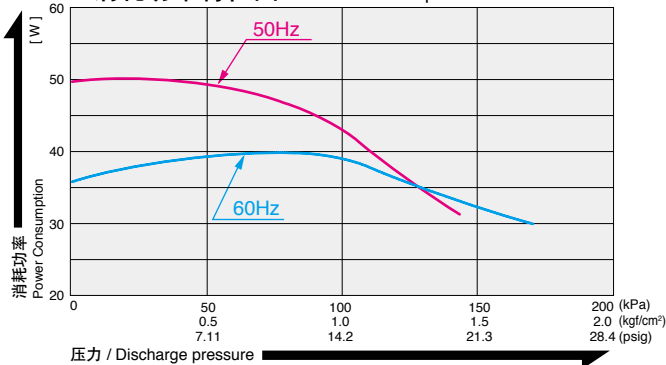


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

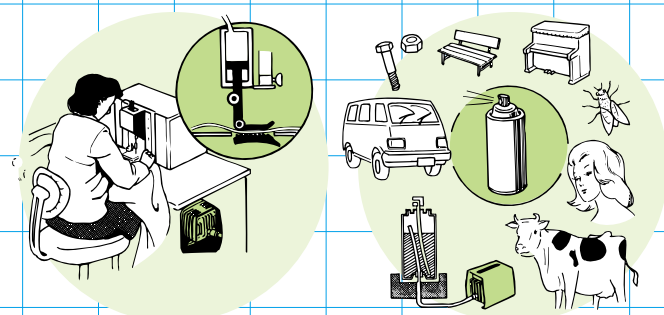


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|------------------------------------|--|---------------------------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm ² } | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | | 5 L/min | 0.177 cfm |
| 额定电压 / Rated Voltage | | 115 V AC / 230 V AC | |
| 最高压力 / Maximum Pressure | 130 kPa {1.3 kgf/cm ² } | 1.3 bar | 18.5 psig |
| 消耗功率 / Power Consumption | | 39 W / 43 W | |
| 额定频率 / Rated Frequency | | 60 Hz / 50 Hz | |
| 耐用时间 / Life Expectancy | | 3,000 小时 / 3,000 hours | |
| 吐出口尺寸 / Outlet | | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | |
| 额定时间 / Duty Cycle | | 连续 / Continuous | |
| 线圈绝缘等级 / Coil Insulation Class | | 相当于E类 (JETL), B类 ^{※1} / E or its equivalent (JETL) or B ^{※1} | |
| 安装尺寸 / Mounting Dimensions | | 68 (L) x 98 (W) mm | 2-11/16" (L) x 3-7/8" (W) |
| 本体重量 / Gross Weight | | 2.1 kg | 4.6 Lbs. |
| 导线长度 / Leadwire Length | | 170 mm | 6-11/16" |

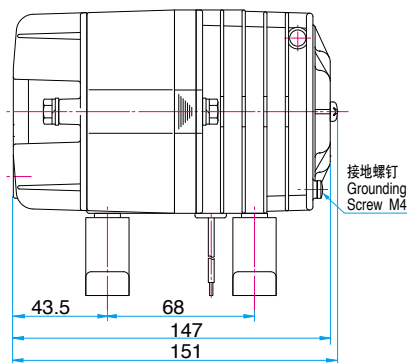
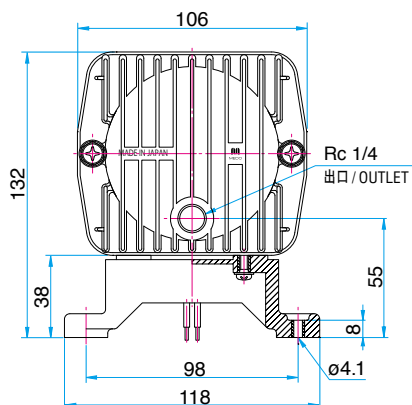
※1: 即将申请UL认证。/ Will apply for UL.
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



工业缝纫机 / Industrial Sewing Machine 各种喷雾器 / Various Aerosol Sprays

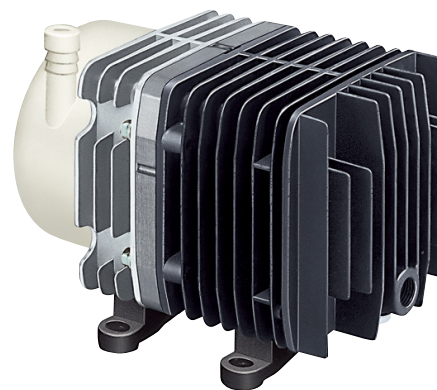
外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



Compressor
压 缩 泵

Intermediate
中 压

Ac0610A



规格 / Specifications

空气量 / Airflow

压力 / Discharge pressure

50Hz

60Hz

14 (L/min)

12

10

8

6

4

2

0

50 100 150 200 250 (kPa)

0.5 1.0 1.5 2.0 2.5 (kgf/cm²)

7.11 14.2 21.3 28.4 35.6 (psig)

0.494 (cfm)

0.353

0.283

0.212

0.141

0.071

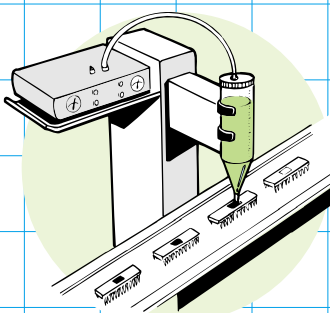
The graph illustrates the relationship between power consumption and discharge pressure for two different frequencies. The 50Hz curve (pink) reaches a higher peak power consumption than the 60Hz curve (blue). Both curves show a sharp decline in power consumption after their respective peak pressures.

| Pressure (kPa) | Pressure (kgf/cm²) | Pressure (psig) | 50Hz Power Consumption (W) | 60Hz Power Consumption (W) |
|----------------|--------------------|-----------------|----------------------------|----------------------------|
| 0 | 0 | 0 | ~55 | ~48 |
| 50 | 0.5 | 7.11 | ~62 | ~52 |
| 100 | 1.0 | 14.2 | ~60 | ~54 |
| 150 | 1.5 | 21.3 | ~38 | ~42 |
| 200 | 2.0 | 28.4 | - | ~32 |
| 250 | 2.5 | 35.6 | - | ~25 |

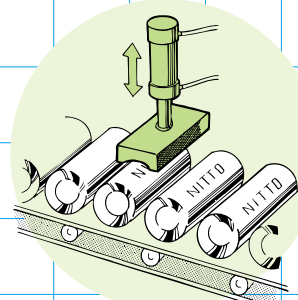
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---------|----------------------------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm ² } | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | 8 L/min | | 0.283 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 消耗功率 / Power Consumption | 52 W / 60 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于F类 (JETL), F类 ^{*1} / F or its equivalent (JETL) and F ^{*1} | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | | 2-11/16" (L) x 3-5/16" (W) |
| 本体重量 / Gross Weight | 3.2 kg | | 7.1 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

※1:即将申请UL认证。/ Will apply for UL.
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of “How to Use This Catalog” first for correct use of compressors and pumps.

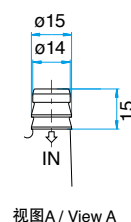
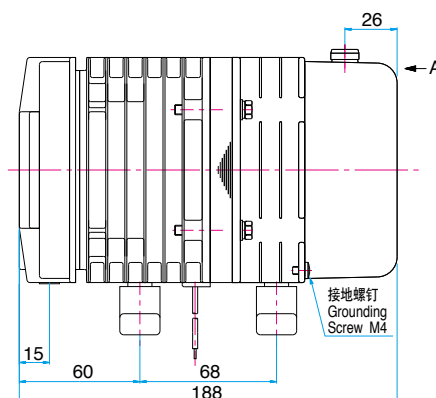
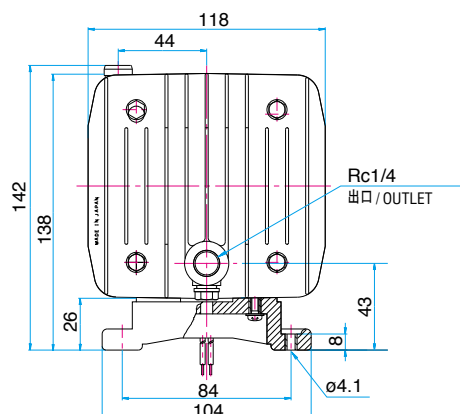
用途例 / Application Examples



自动点胶机 / Dispenser



自动压印机 / Automatic Stamper



压缩泵 / COMPRESSOR

LINEAR

Ac0910



压缩泵



中压



115V/230V



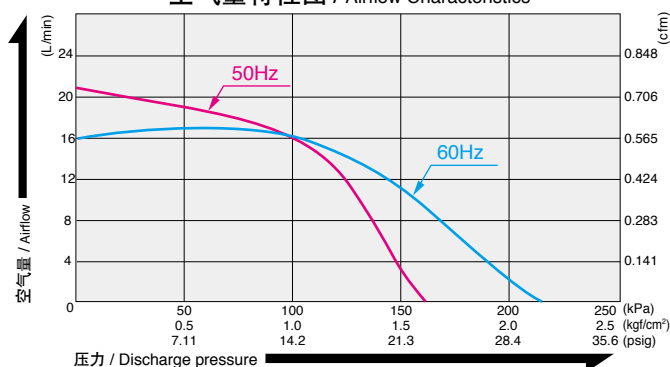
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

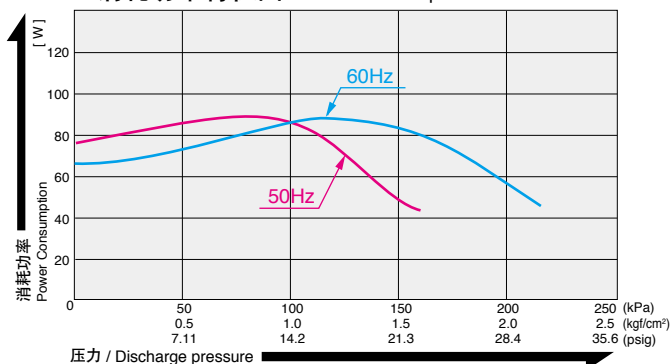


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

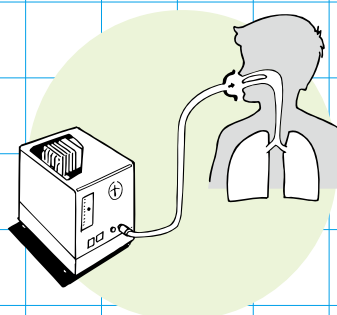


规格 / Specifications

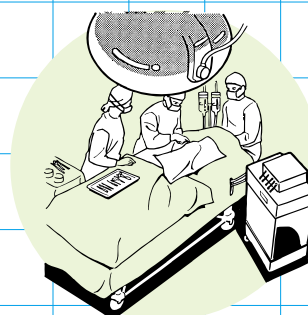
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|---------|---------------------|
| 额定压力 / Rated Pressure | 100 kPa {1.0 kgf/cm ² } | 1.0 bar | 14.2 psig |
| 吐出空气量 / Rated Airflow | 16 L/min | | 0.565 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 消耗功率 / Power Consumption | 85 W / 90 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | | 4" (L) x 5-1/8" (W) |
| 本体重量 / Gross Weight | 4.9 kg | | 10.8 Lbs. |
| 导线长度 / Leadwire Length | 150 mm / 320 mm | | 5-7/8" (115 V) |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

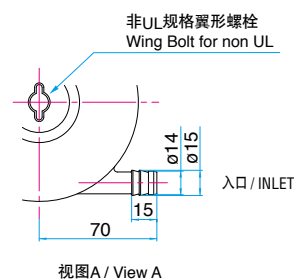
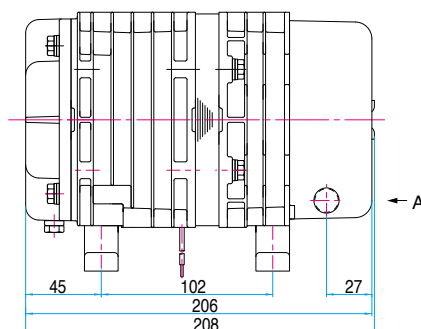
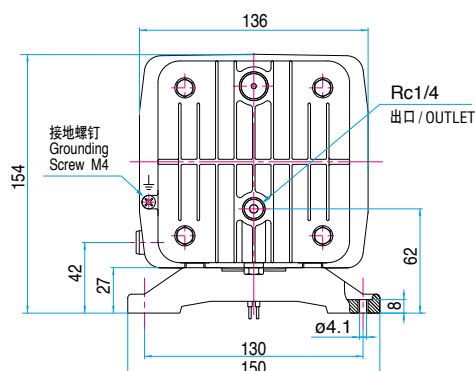


富氧发生装置 / Oxygen Concentrator



人工心脏 / I.V. Balloon Pump

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



压缩机 / COMPRESSOR

LINEAR

Ac0920



压缩机



中压

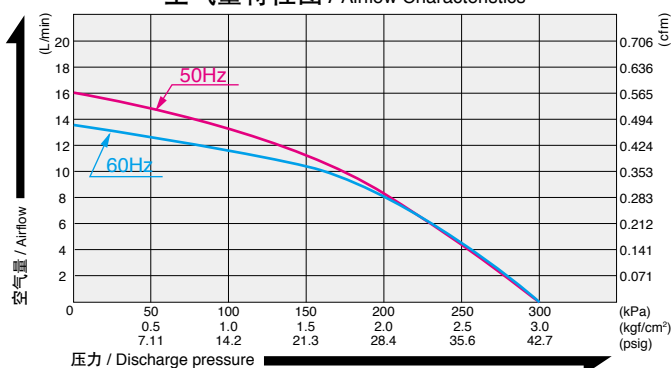
115V
(60Hz)230V
(50Hz)

线性压缩泵
MOTOR FREE PISTON SYSTEM

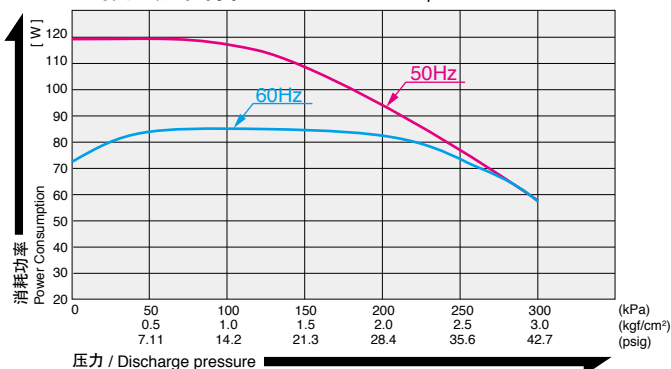


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

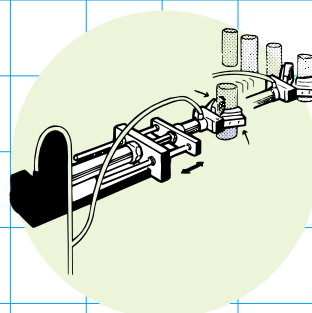


规格 / Specifications

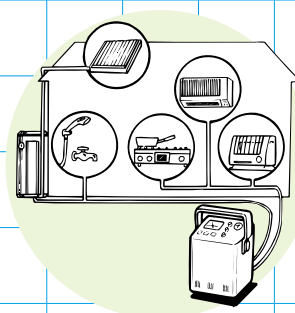
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---------|-------------------|
| 额定压力 / Rated Pressure | 200 kPa {2.0 kgf/cm ² } | 2.0 bar | 28.4 psig |
| 吐出空气量 / Rated Airflow | 8 L/min | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 300 kPa {3.0 kgf/cm ² } | 3.0 bar | 42.6 psig |
| 消耗功率 / Power Consumption | 80 W / 100 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 30 分钟 / 30 minutes | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | | 4"(L) x 5-1/8"(W) |
| 本体重量 / Gross Weight | 5 kg | | 11 Lbs. |
| 导线长度 / Leadwire Length | 150 mm | | 5-7/8" (115V) |

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用途例 / Application Examples

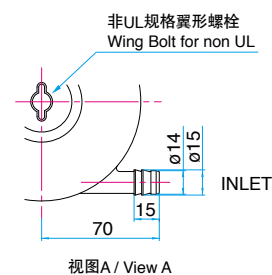
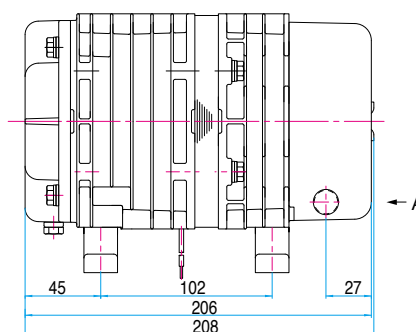
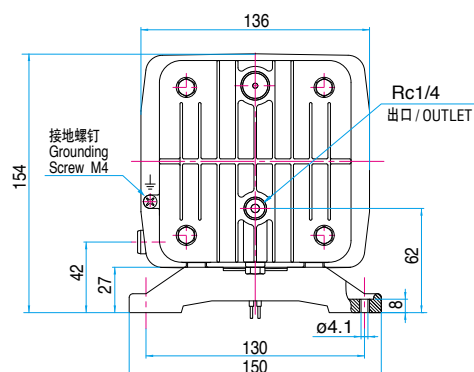


气缸 / 气动卡盘 / Air Cylinder / Chuck Driver



检漏机 / Leakage Tester

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图A / View A

真空泵 / VACUUM PUMP

AC 线性驱动

活塞真空泵

LINEAR Piston Vacuum Pump

VP0125
P39

VP0140
P40

VP0435A
P41

VP0450
P42

VP 0625
P43

VP 0660
P44

VP0940
P45



Compressor

压缩机



Vacuum

真空度

真空泵 / VACUUM PUMP

LINEAR

VP0125



压缩机



真空泵

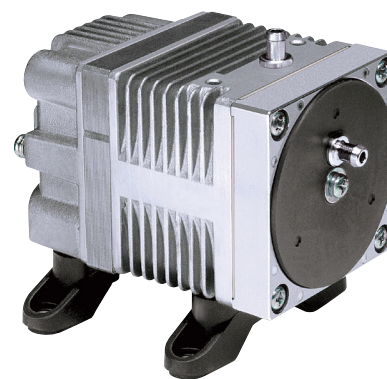


115V/230V

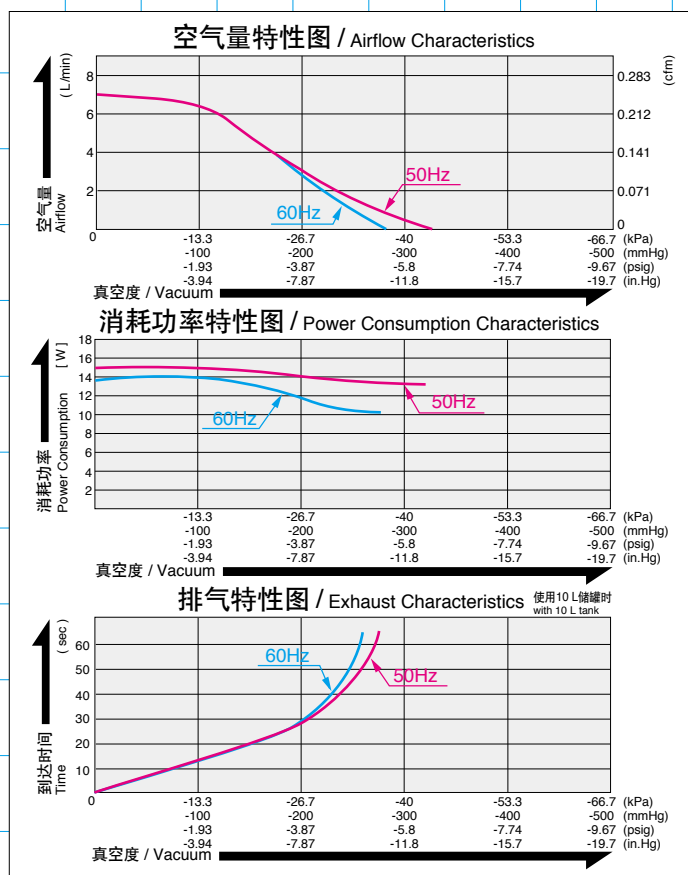


230V

线性压缩泵
MOTOR FREE PISTON SYSTEM



空气量和消耗功率 / Airflow & Power Consumption

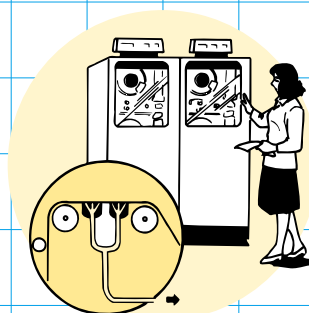


规格 / Specifications

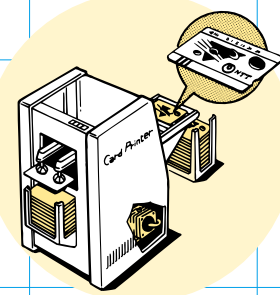
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|--------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -33.3 kPa (-250 mmHg) | -333 mbar | -9.84 in.Hg |
| 吐出空气量 / Free Air Displacement | 7 L/min | | 0.247 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 14 W / 15 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 48 (L) x 62 (W) mm | 1-7/8" (L) x 2-7/16" (W) | |
| 本体重量 / Gross Weight | 0.7 kg | 1.54 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

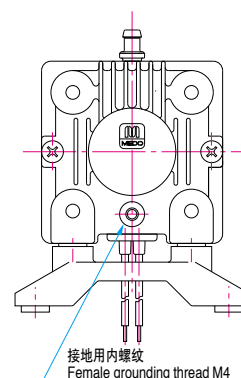
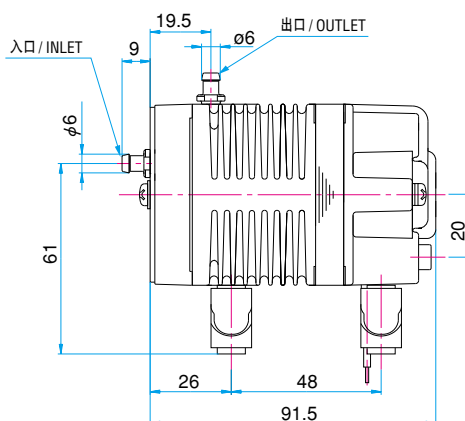
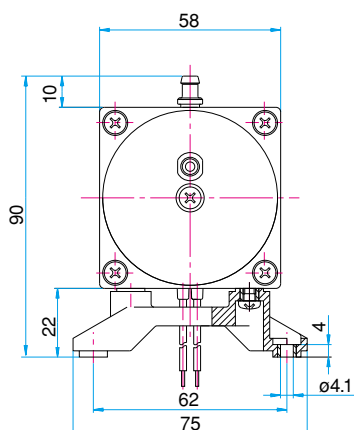


磁带粘合 / Tape Positioning



小型印刷机 / Paper Card Dispenser

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



接地用内螺纹
Female grounding thread M4

真空泵 / VACUUM PUMP

LINEAR

VP0140



压缩机



真空泵

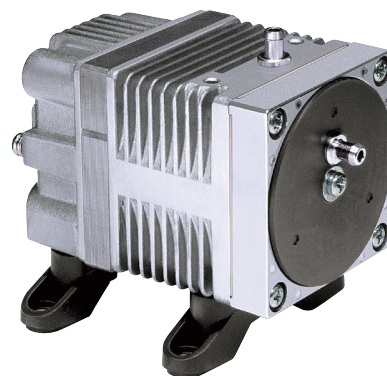


115V

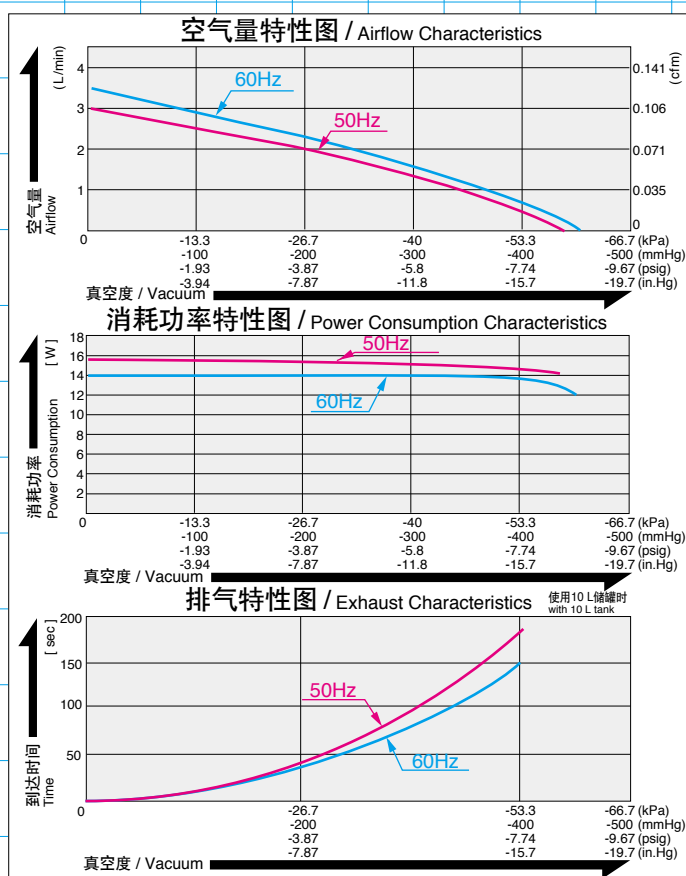


230V

线性压缩泵
MOTOR FREE PISTON SYSTEM



空气量和消耗功率 / Airflow & Power Consumption

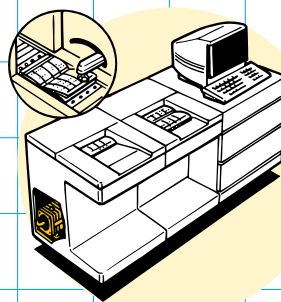


规格 / Specifications

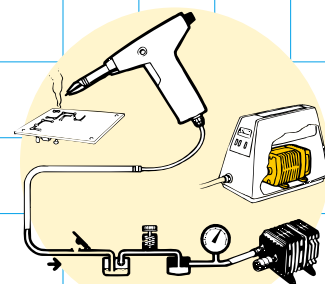
| | (SI) | (EURO) | (U.S.A.) |
|---|--|--------------------------|-------------|
| 达到真空度 ^{※1} / Attainable Vacuum ^{※1} | -53.3 kPa {-400 mmHg} | -533 mbar | -15.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 3 L/min | | 0.106 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 14 W / 15 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口尺寸 / Inlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ6mm (外径) 软管接头 / 6mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 60 分钟 / 60 minutes | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 48 (L) x 62 (W) mm | 1-7/8" (L) x 2-7/16" (W) | |
| 本体重量 / Gross Weight | 0.7 kg | 1.54 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

※1: 高于-53.3kPa运转时需要在进气管路上加装一个放气阀或泄压阀。
Operations at higher than -53.3kPa need an additional leak valve or relief valve on the inlet piping.
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

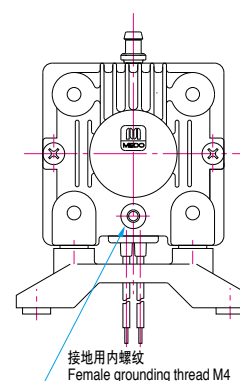
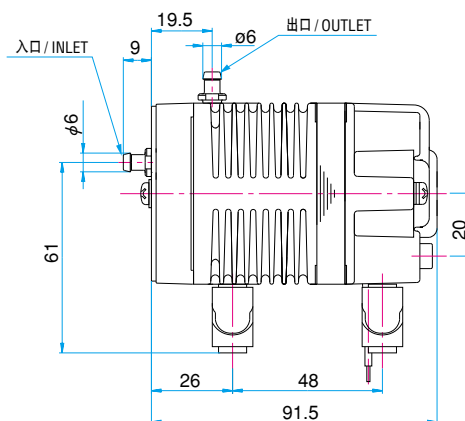
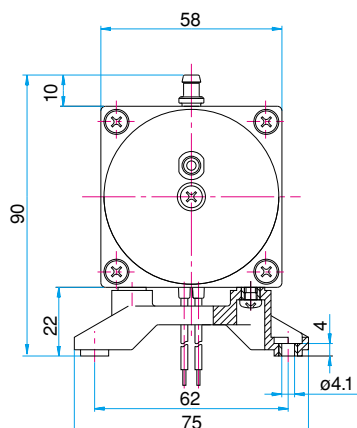


办公自动化设备终端 / Page Scroller



焊料吸引器 / Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR

VP0435A



压缩机



真空泵



115V

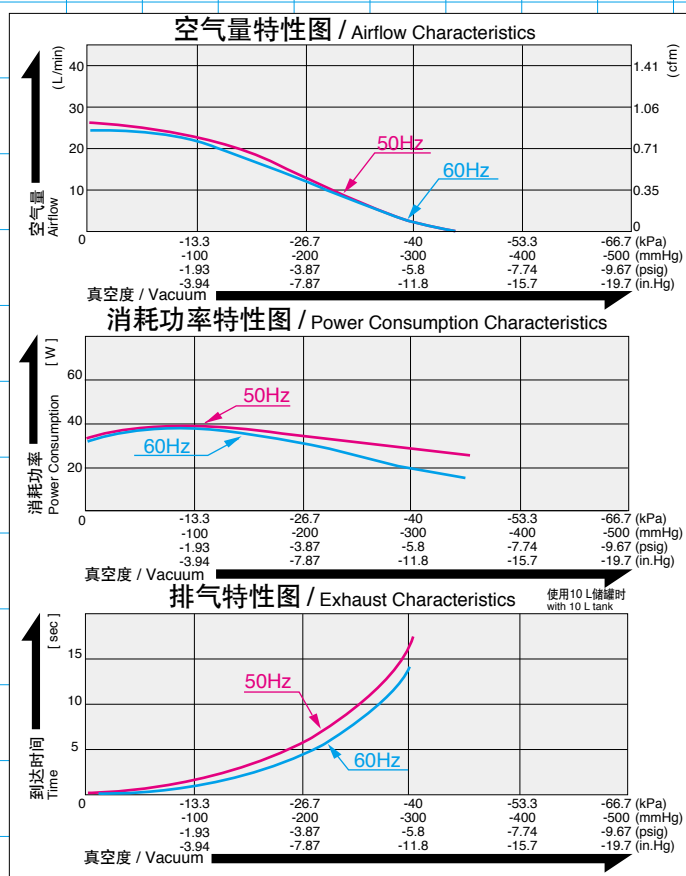


230V

线性压缩机
MOTOR FREE PISTON SYSTEM



空气量和消耗功率 / Airflow & Power Consumption

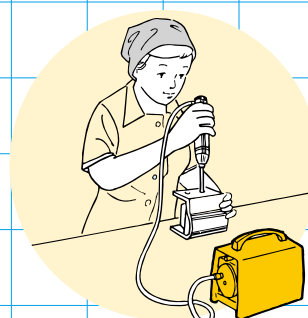


规格 / Specifications

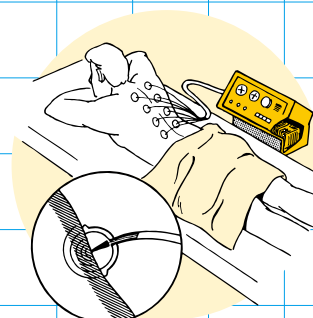
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|----------------------------|--------------|
| 达到真空度 / Attainable Vacuum | -46.7 kPa (-350 mmHg) | -467 mbar | -13.78 in.Hg |
| 吐出空气量 / Free Air Displacement | 25 L/min | | 0.88 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 39 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口尺寸 / Inlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 (JETL) / UL规格品 / B or its equivalent (JETL) / UL | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | 2-11/16" (L) x 3-5/16" (W) | |
| 本体重量 / Gross Weight | 2.3 kg | | 5.1 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

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用途例 / Application Examples

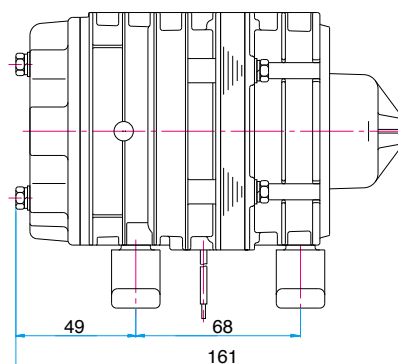
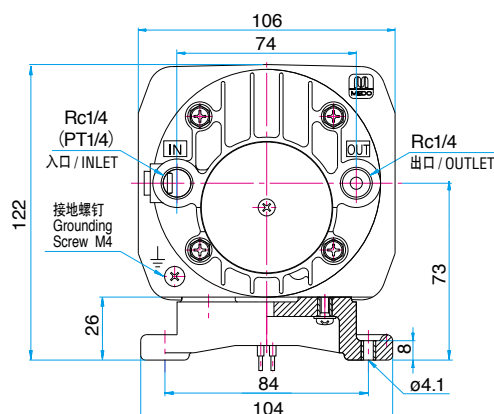


小螺丝、螺钉的吸附
Machine Screw Feeder



医用治疗仪
Medical Cup Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR

VP0450



压缩机



真空泵

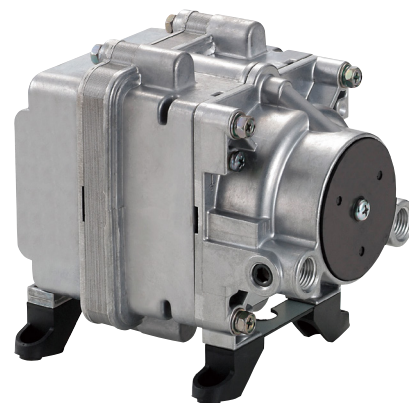


120V

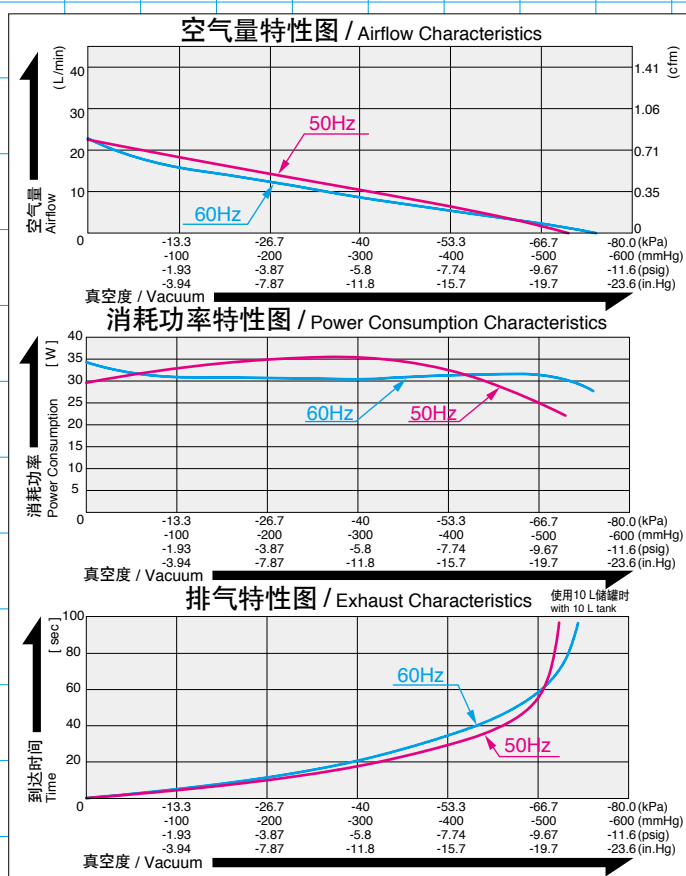


230V

线性压缩泵
MOTOR FREE PISTON SYSTEM



空气量和消耗功率 / Airflow & Power Consumption

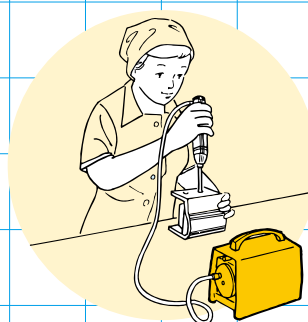


规格 / Specifications

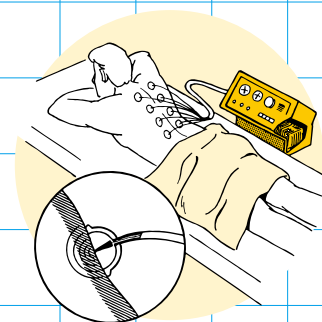
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|------------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -66.7 kPa (-500 mmHg) | -667 mbar | -19.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 18 L/min | | 0.64 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 34 W / 35 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | ISO Rc 1/4 (内螺纹) | ISO Rc 1/4 (female threaded) | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) | ISO Rc 1/4 (female threaded) | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 85 (L) x 88 (W) mm | 3-11/32" (L) x 3-15/32" (W) | |
| 本体重量 / Gross Weight | 2.2 kg | | 4.9 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" |

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用途例 / Application Examples

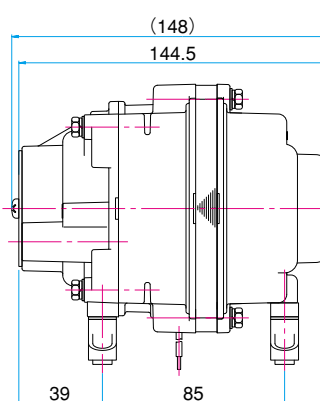
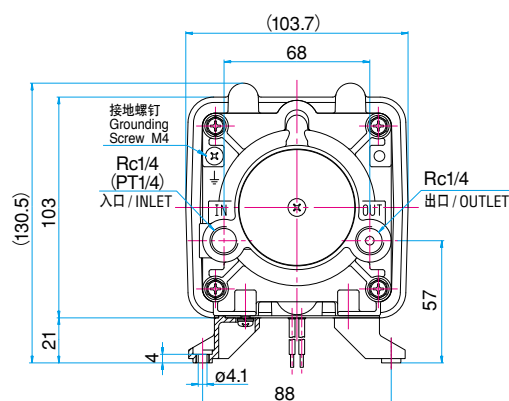


小螺丝、螺钉的吸附
Machine Screw Feeder



医用治疗仪
Medical Cup Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR

VP0625



压缩机



真空泵



115V/230V



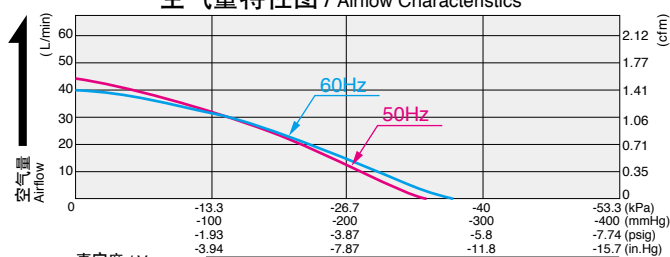
230V

线性压缩机
MOTOR FREE PISTON SYSTEM

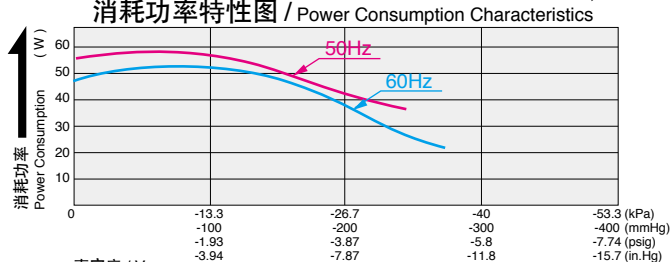


空气量和消耗功率 / Airflow & Power Consumption

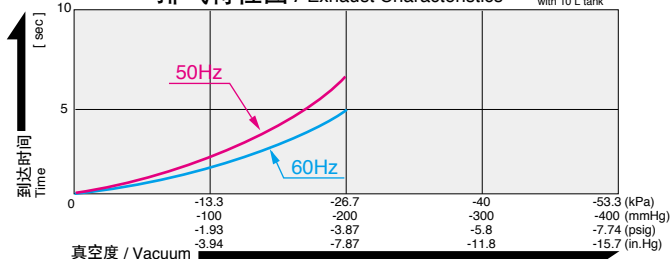
空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics



排气特性图 / Exhaust Characteristics

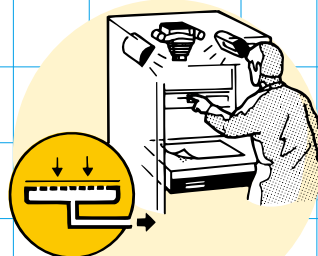


规格 / Specifications

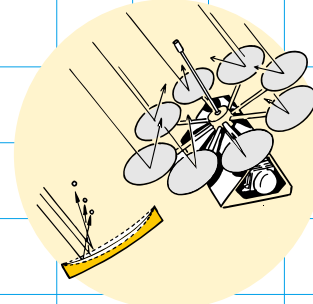
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|--|----------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -33.3 kPa (-250 mmHg) | -333 mbar | -9.84 in.Hg |
| 吐出空气量 / Free Air Displacement | 40 L/min | | 1.41 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 56 W / 60 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ15mm(外径)软管接头 / 15mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | 2-11/16" (L) x 3-5/16" (W) | |
| 本体重量 / Gross Weight | 3 kg | 6.6 Lbs. | |
| 导线长度 / Leadwire Length | 235 mm / 320 mm | 9-13/16" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

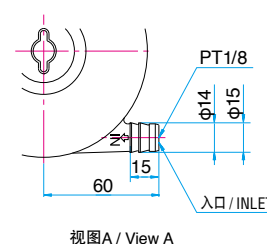
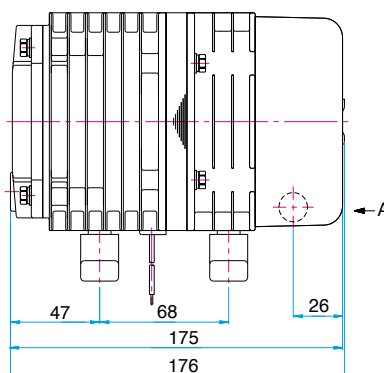
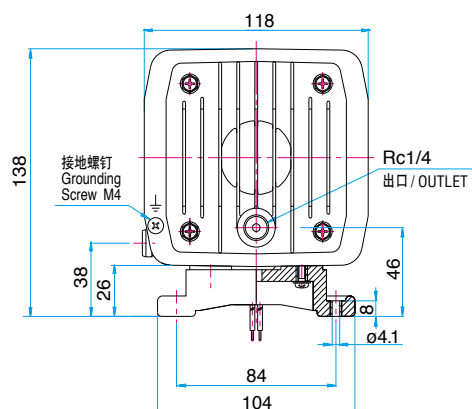


胶片洗印设备
Microfiche Camera



聚光装置
Solar Collection Screen

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR

VP0660



压缩机



真空泵



115V (60Hz)



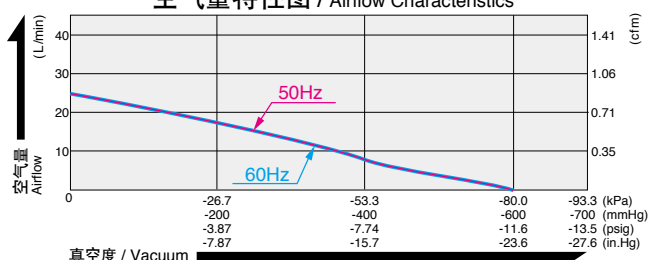
230V (50Hz)

线性压缩机
MOTOR FREE PISTON SYSTEM



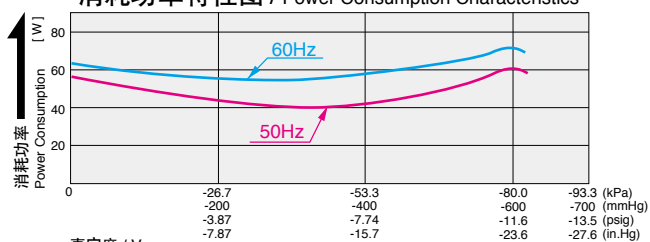
空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



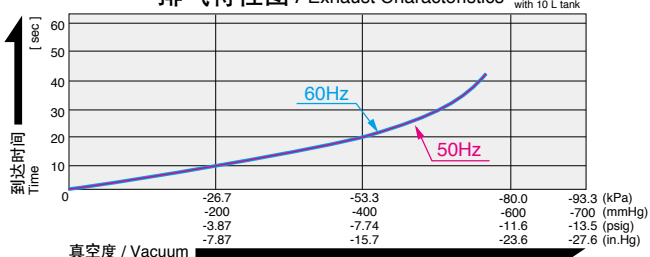
真空度 / Vacuum

消耗功率特性图 / Power Consumption Characteristics



真空度 / Vacuum

排气特性图 / Exhaust Characteristics



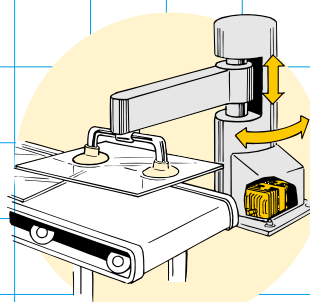
真空度 / Vacuum

规格 / Specifications

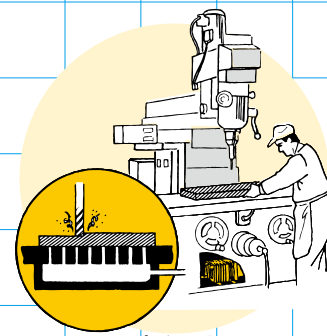
| | (SI) | (EURO) | (U.S.A.) |
|---|--|-----------|---------------------|
| 达到真空度 ^{※1} / Attainable Vacuum ^{※1} | -80 kPa (-600 mmHg) | -800 mbar | -23.6 in.Hg |
| 吐出空气量 / Free Air Displacement | 25 L/min | | 0.88 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 70 W / 60 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 6,000 小时 / 6,000 hours | | |
| 吸入口尺寸 / Inlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于B类 / E or its equivalent (JETL) and B for UL | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | | 4" (L) x 5-1/8" (W) |
| 本体重量 / Gross Weight | 5 kg | | 11 Lbs. |
| 导线长度 / Leadwire Length | 300 mm / 600 mm | | 5-7/8" |

※1: 高于-80kPa运转时需要在进气管路上加装一个放气阀或泄压阀。
Operations at higher than -80kPa need an additional leak valve or relief valve on the inlet piping.
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

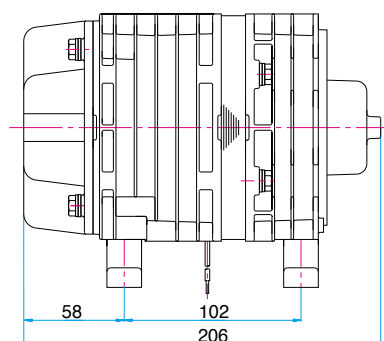
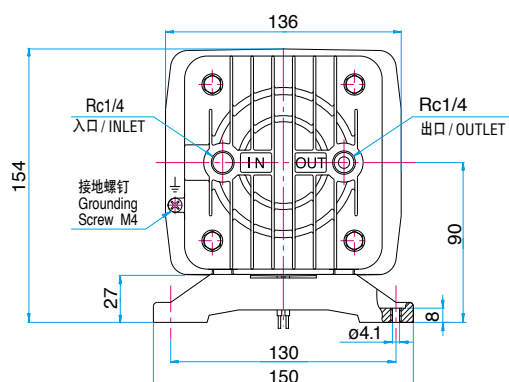


真空吸附材料搬运
Material Handling Machine



真空吸盘
Vacuum Chucking

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



真空泵 / VACUUM PUMP

LINEAR

VP0940



压缩机



真空泵



115V/230V



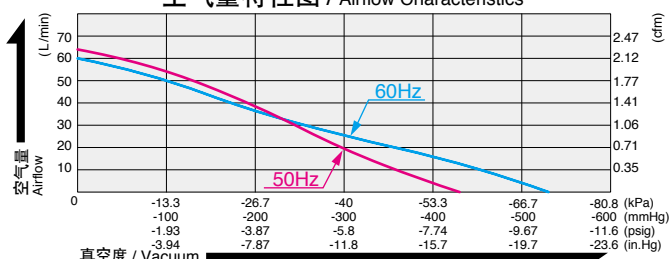
115V/230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

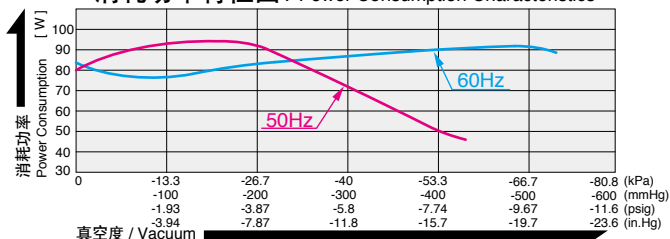


空气量和消耗功率 / Airflow & Power Consumption

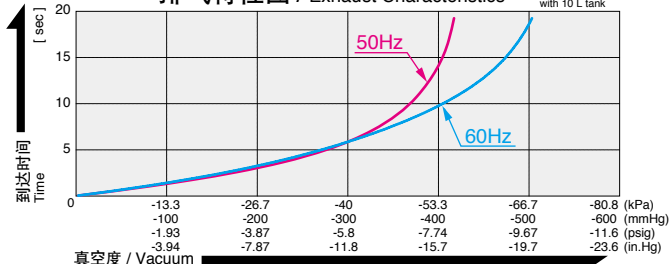
空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics



排气特性图 / Exhaust Characteristics



规格 / Specifications

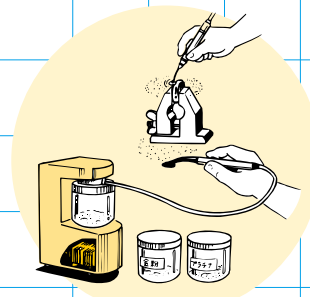
| | (SI) | (EURO) | (U.S.A.) |
|---|---|---------------------|-------------|
| 达到真空度 ^{※1} / Attainable Vacuum | -53.3 kPa (-400 mmHg) | -533 mbar | -15.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 60 L/min | | 2.12 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 95 W | | |
| 额定频率 / Rated Frequency | 60 Hz & 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 (JETL) / B or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | 4" (L) x 5-1/8" (W) | |
| 本体重量 / Gross Weight | 4.55 kg | 10.0 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 高于-53.3 kPa运转时需要在进气管路上加装一个放气阀或泄压阀。
Operations at higher than -53.3 kPa need an additional leak valve or relief valve on the inlet piping.
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

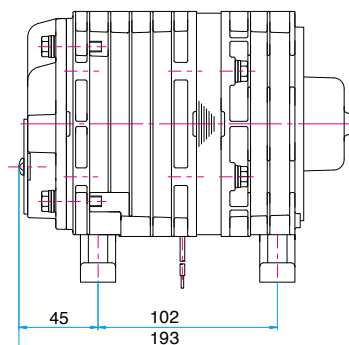
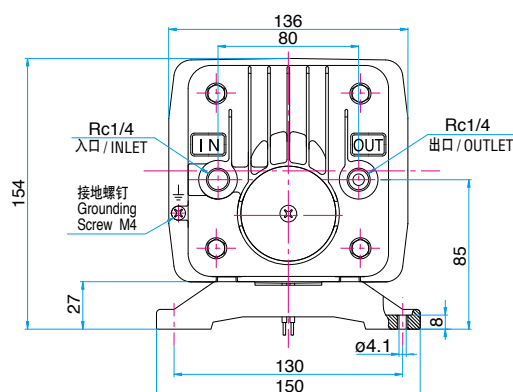


制图仪用纸吸附 / Drafter Sheet Suction



贵金属粉末吸引 / Metal Powder Recycling

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



LA曝气机 / LA BLOWER

AC 线性驱动

活塞曝气机

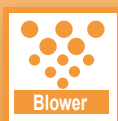
LINEAR Piston Blower

LA-28B
LA-45B
P47

LA-60B
LA-80B
P48

LA-100A
LA-120A
P49

LAM-200
P50



曝气机

LA曝气机 / LA BLOWER

LINEAR



曝气机



线性压缩泵

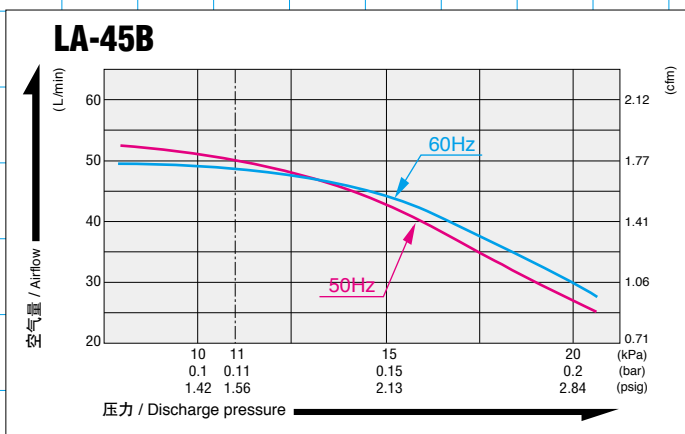
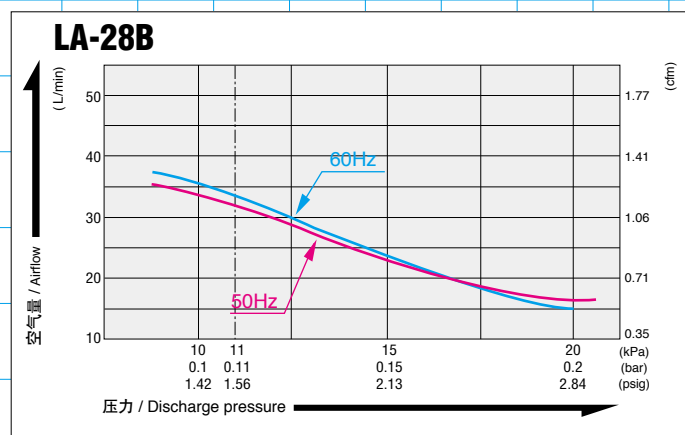
MOTOR FREE PISTON SYSTEM

230V/240V
(50/60Hz)

LA-28B LA-45B

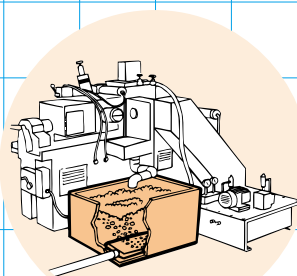
空气量特性图 / Airflow Characteristics

规格 / Specifications

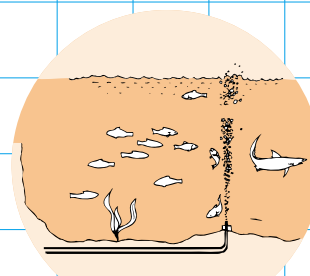


| | LA-28B | LA-45B |
|------------------------|---|---------------------|
| 电源 / Power Supply | 120 V, 220 V, 230 V, 240 V AC | |
| 额定频率 / Rated Frequency | 50 Hz, 60 Hz | |
| 额定压力 / Rated Pressure | 11 kPa {0.11kgf/cm ² }, 0.11 bar 或 1.56 psig | |
| 吐出空气量 / Rated Airflow | 28 L/min {0.99 cfm} | 45 L/min {1.59 cfm} |
| 消耗功率 | 29 W / 50 Hz | 47 W / 50 Hz |
| Power Consumption | 25.5 W / 60 Hz | 45 W / 60 Hz |
| 重量 / Weight | 2.9 kg {6.4 lbs} | 3.0 kg {6.6 lbs} |

用途例 / Application Examples

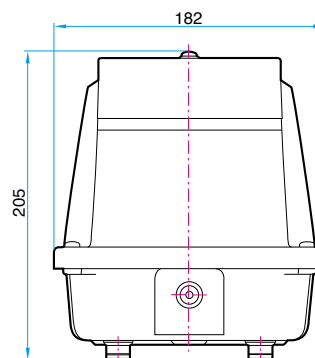
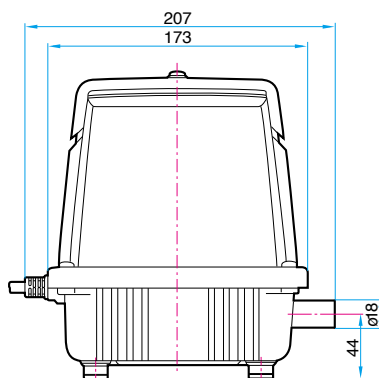


电镀液搅拌装置 / Liquid Mixer Bubbling



鱼缸隔离气幕 / Fish Farm Aquatic Fence

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



LA曝气机 / LA BLOWER

LINEAR



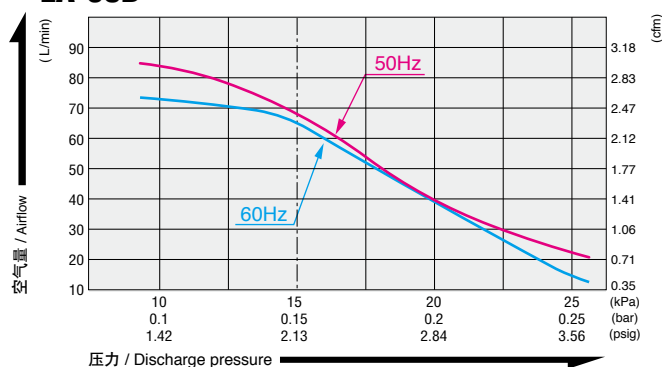
曝气机

120V
(60Hz)230V
(50Hz)120V
(60Hz)230V/240V
(50Hz)线性压缩泵
MOTOR FREE PISTON SYSTEM

LA-60B LA-80B

空气量特性图 / Airflow Characteristics

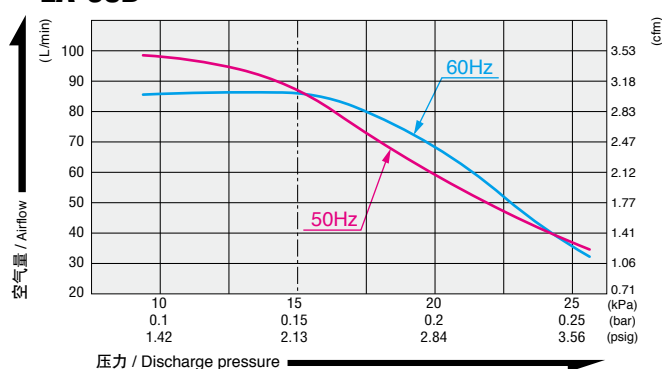
LA-60B



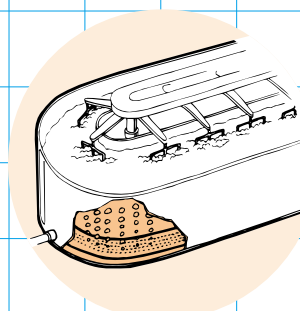
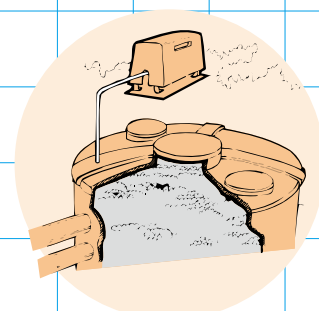
规格 / Specifications

| | LA-60B | LA-80B |
|--------------------------|---|------------------------------|
| 电源 / Power Supply | 120 V, 220 V, 230 V, 240 V AC | |
| 额定频率 / Rated Frequency | 50 Hz, 60 Hz | |
| 额定压力 / Rated Pressure | 15 kPa {0.15kgf/cm ² }, 0.15 bar 或 2.13 psig | |
| 吐出空气量 / Rated Airflow | 60 L/min {2.12 cfm} | 80 L/min {2.83 cfm} |
| 消耗功率 / Power Consumption | 64 W / 50 Hz 60 W / 60 Hz | 86 W / 50 Hz 80 W / 60 Hz |
| 重量 / Weight | 5.0 kg {11 lbs} | 5.3 kg {11.7 lbs} |

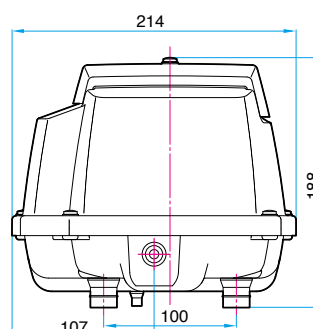
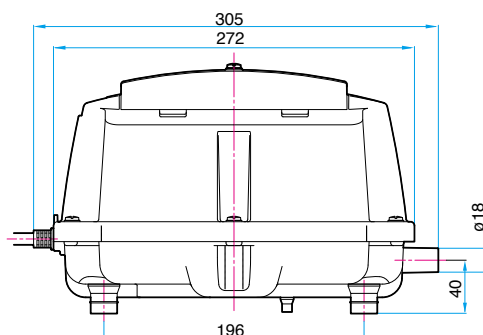
LA-80B



用途例 / Application Examples

电镀液搅拌装置
Liquid Mixer Bubbling曝气式净化槽
Home Aerobic Sewage Treatment System

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



LA曝气机 / LA BLOWER



曝气机



LA-100A



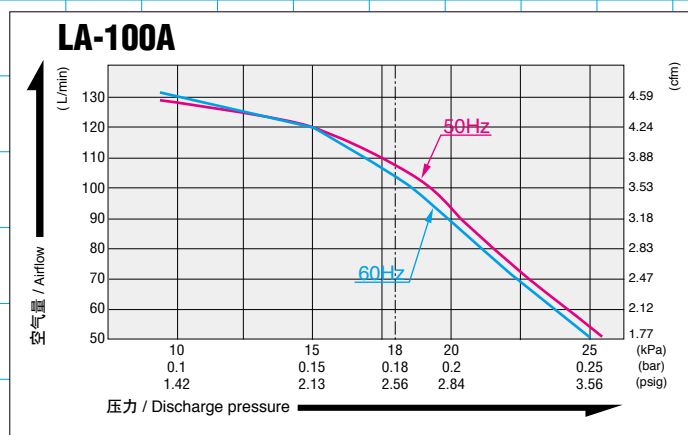
LA-120A

线性压缩泵
MOTOR FREE PISTON SYSTEM



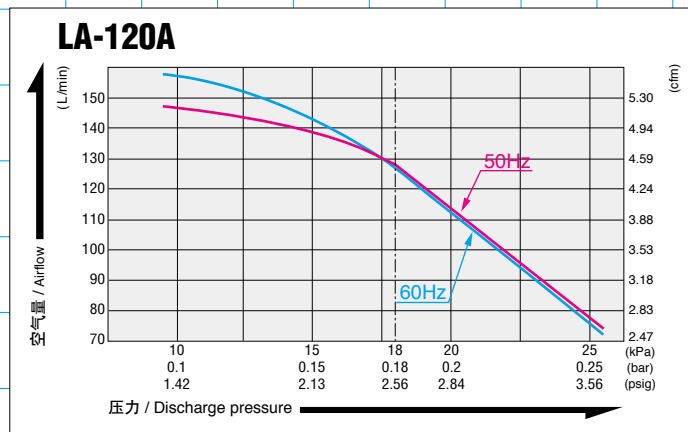
LA-100A LA-120A

空气量特性图 / Airflow Characteristics

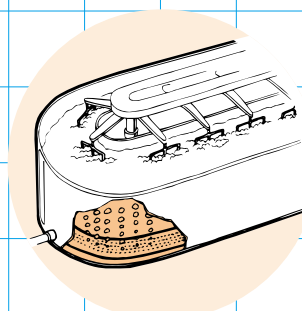


规格 / Specifications

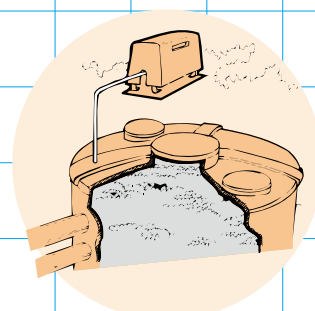
| | LA-100A | LA-120A |
|--------------------------|---|--------------------------------|
| 电源 / Power Supply | 120 V, 220 V, 230 V, 240 V AC | |
| 额定频率 / Rated Frequency | 50 Hz, 60 Hz | |
| 额定压力 / Rated Pressure | 18 kPa {0.18kgf/cm ² }, 0.18 bar 或 2.56 psig | |
| 吐出空气量 / Rated Airflow | 100 L/min {3.53 cfm} | 120 L/min {4.24 cfm} |
| 消耗功率 / Power Consumption | 100 W / 50 Hz 95 W / 60 Hz | 130 W / 50 Hz 118 W / 60 Hz |
| 重量 / Weight | 9.7 kg {21.4 lbs} | 9.7 kg {21.4 lbs} |



用途例 / Application Examples

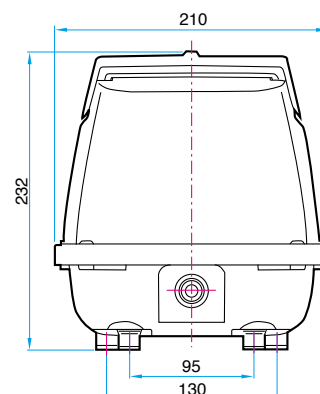
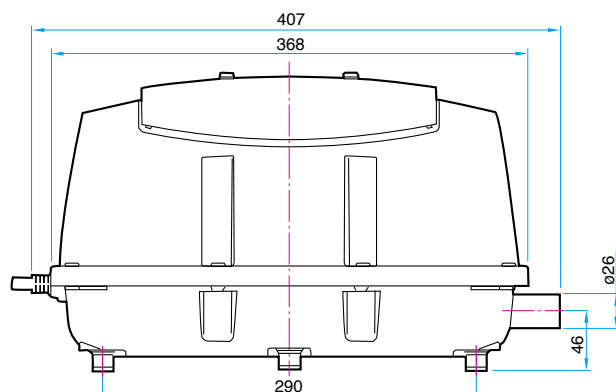


电镀液搅拌装置
Liquid Mixer Bubbling



曝气式净化槽
Home Aerobic Sewage Treatment System

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



LA曝气机 / LA BLOWER

LINEAR



曝气机



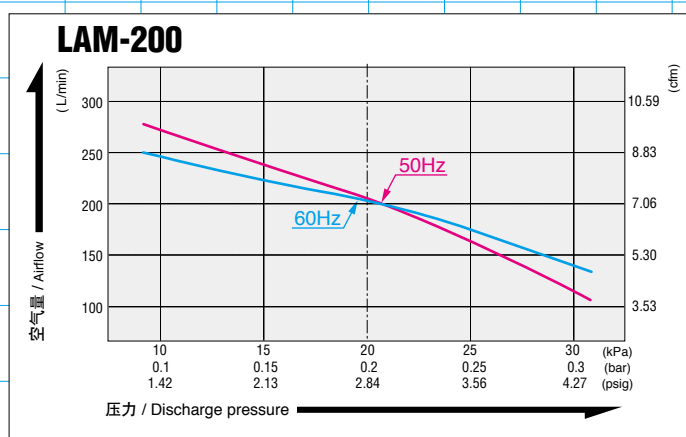
磁性压缩泵

MOTOR MAGNET PISTON SYSTEM

230V/240V
(50/60Hz)

LAM-200

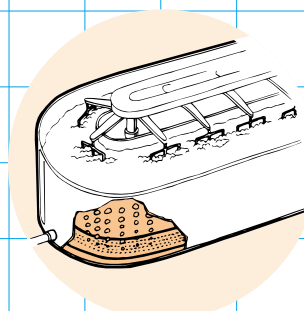
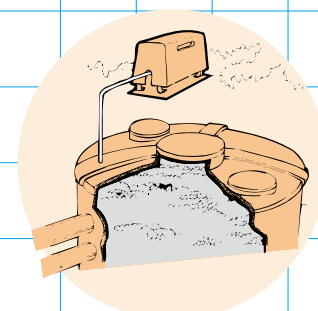
空气量特性图 / Airflow Characteristics



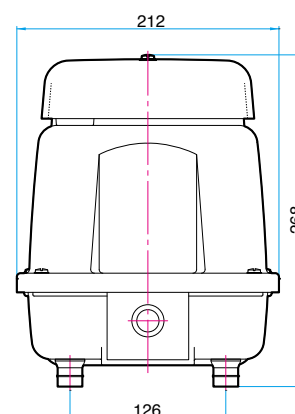
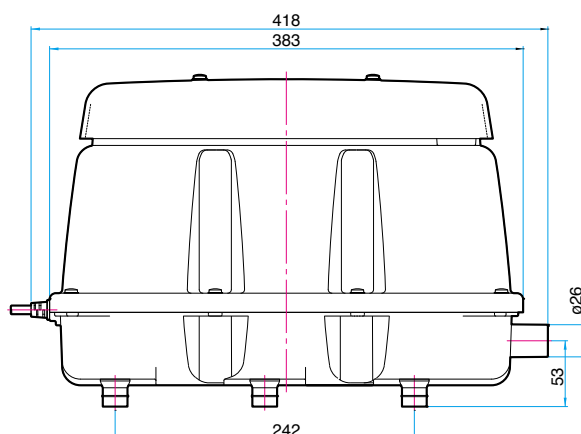
规格 / Specifications

| LAM-200 | |
|--------------------------|--|
| 电源 / Power Supply | 120 V, 220 V, 230 V, 240 V AC |
| 额定频率 / Rated Frequency | 50 Hz, 60Hz |
| 额定压力 / Rated Pressure | 20 kPa {0.20 kgf/cm ² }, 0.20 bar 或 2.84 psig |
| 吐出空气量 / Rated Airflow | 200 L/min {7.06 cfm} |
| 消耗功率 / Power Consumption | 215 W / 50 Hz 215 W / 60 Hz |
| 重量 / Weight | 12.3 kg {27.1 lbs} |

用途例 / Application Examples

电镀液搅拌装置
Liquid Mixer Bubbling曝气式净化槽
Home Aerobic Sewage Treatment System

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



隔膜泵 / DIAPHRAGM PUMP

AC 线性驱动

隔膜泵

LINEAR Diaphragm Pump



压缩机



真空泵

VC0100
兼用型 / Dual Type
P53

VC0100
曝气机型 / Blower Type
P54

VC0101
兼用型 / Dual Type
P55

VC0101
曝气机型 / Blower Type
P56

VC0101E
兼用型 / Dual Type
P57

VC0101E
曝气机型 / Blower Type
P58

VC0201
兼用型 / Dual Type
P59

VC0201
曝气机型 / Blower Type
P60

VC0301
兼用型 / Dual Type
P61

VC0301
曝气机型 / Blower Type
P62

VC0201B
兼用型 / Dual Type
P63

VC0201B
曝气机型 / Blower Type
P64

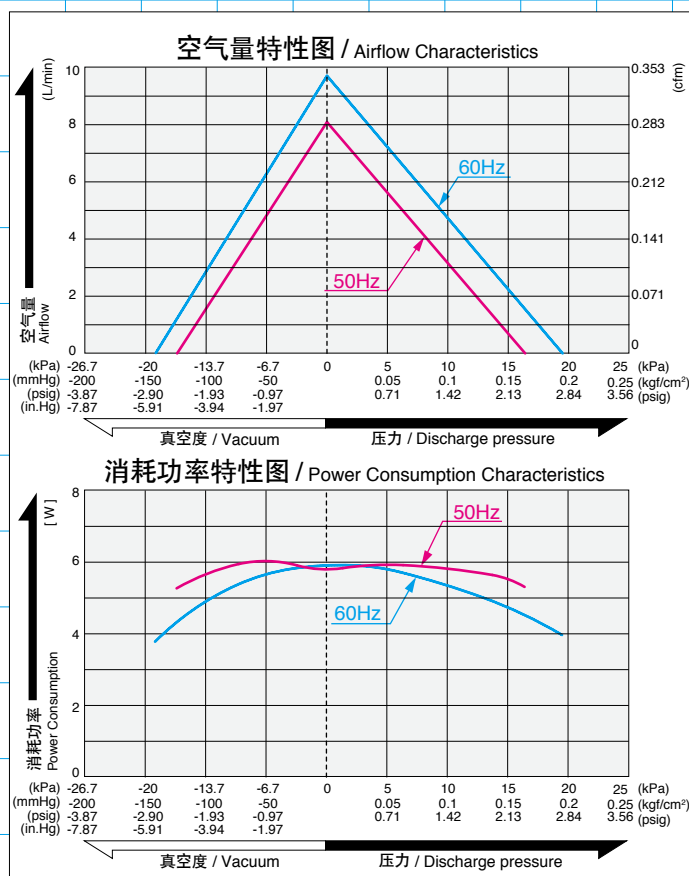
VC0301B
兼用型 / Dual Type
P65

VC0301B
曝气机型 / Blower Type
P66



vc0100 兼用型 Dual Type

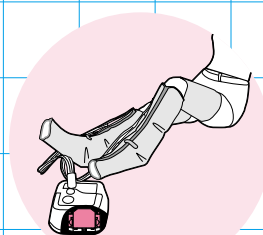
规格 / Specifications



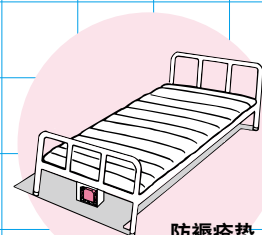
| | (SI) | (EURO) | (U.S.A.) |
|----------------------------------|--|-------------------------|----------------------------|
| 额定压力 / Rated Pressure | 4 kPa {0.04 kgf/cm ² } | 0.04 bar | 0.57 psig |
| 吐出空气量 / Rated Airflow | 6 L/min | | 0.21 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 16 kPa {0.16 kgf/cm ² } | 0.16 bar | 2.28 psig |
| 达到真空度 / Maximum Vacuum | -14.7 kPa (-110 mmHg) | -147 mbar | -4.33 in.Hg |
| 消耗功率 / Power Consumption | 6 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 使用压力范围 Working Pressure Range | -14.7 kPa - 16 kPa {-110 mmHg - 0.16 kgf/cm ² } | -147 mbar - 0.16 bar | -4.33 in.Hg - 2.28 psig |
| 吐出口(或吸入口)尺寸 / Outlet (or inlet) | φ6 mm (外径)软管接头 / 6 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于E类 / E for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 70 (L) x 72 (W) mm | | 2-3/4" (L) x 2-27/32" (W) |
| 本体重量 / Gross Weight | 0.45 kg | | 0.99 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

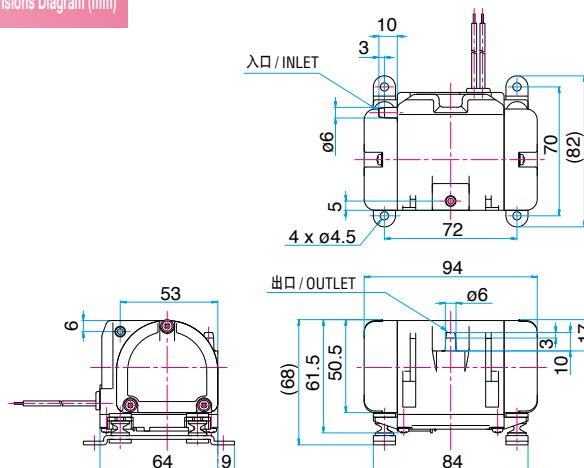
用途例 / Application Examples



按摩器 / Massage Devices



防褥疮垫
Bedsore Prevention Mattress



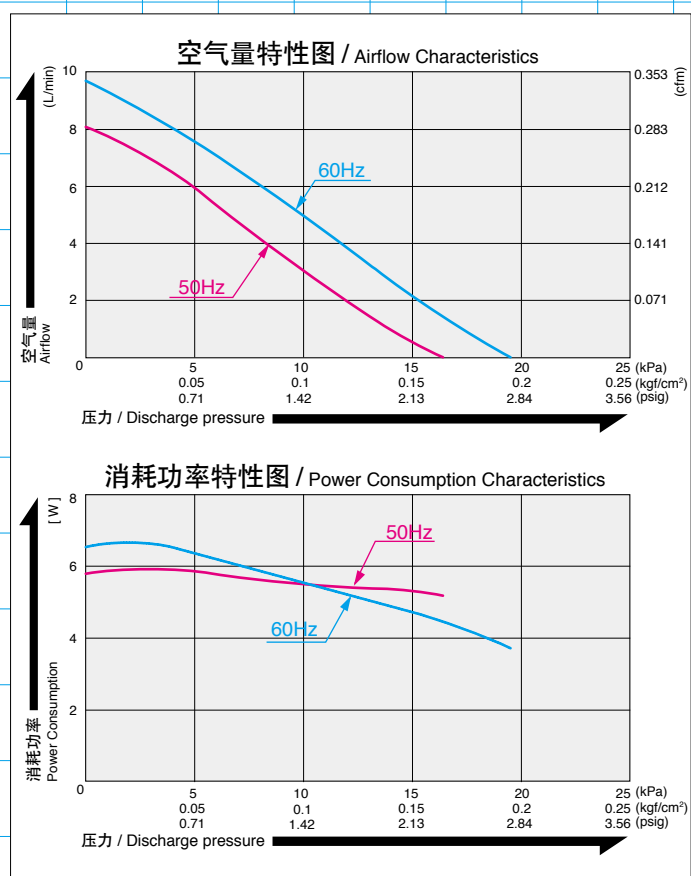
DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



vc0100 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption

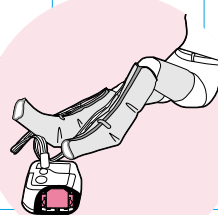


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|--------------------------|---------------|
| 额定压力 / Rated Pressure | 4 kPa {0.04 kgf/cm ² } | 0.04 bar | 0.57 psig |
| 吐出空气量 / Rated Airflow | 6 L/min | | 0.21 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 16 kPa {0.16 kgf/cm ² } | 0.16 bar | 2.28 psig |
| 消耗功率 / Power Consumption | 6 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 使用压力范围 / Working Pressure Range | 0 - 16 kPa {0 - 0.16 kgf/cm ² } | 0 - 0.16 bar | 0 - 2.28 psig |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ6 mm (外径) 软管接头 / 6 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于E类 / E for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 70 (L) x 72 (W) mm | 2-3/4" (L) x 2-7/32" (W) | |
| 本体重量 / Gross Weight | 0.45 kg | 0.99 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

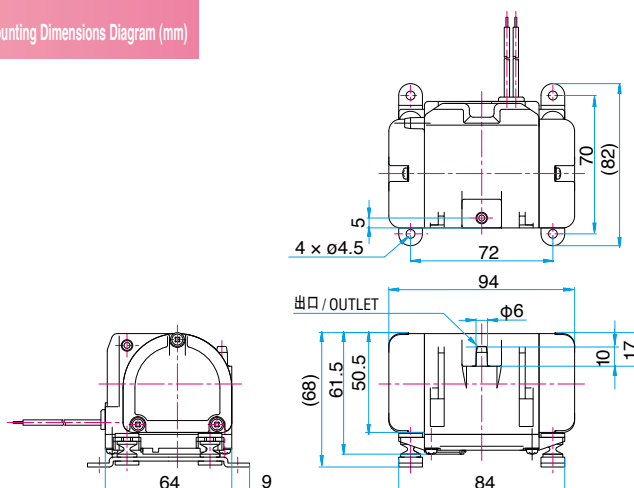
用途例 / Application Examples



按摩器 / Massage Devices

防褥疮垫
Bedsore Prevention Mattress

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩机



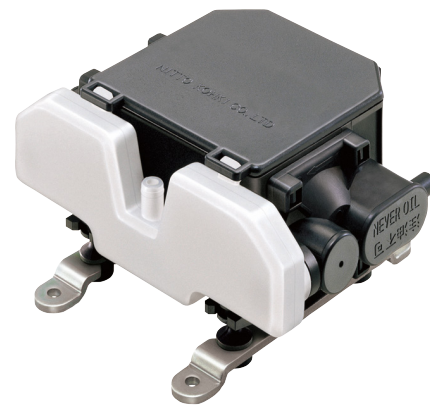
真空泵



120V

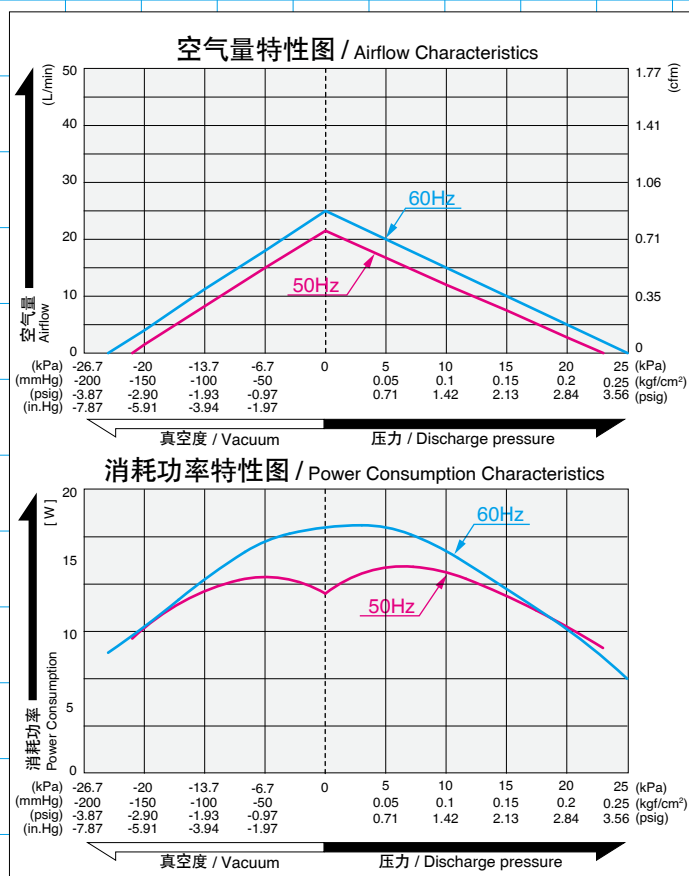


230V



VC0101 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption

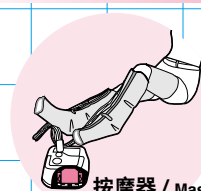


规格 / Specifications

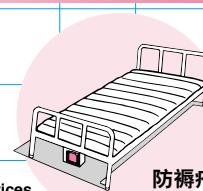
| VC0101 | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|-----------------------------|-------------------------|
| 额定压力 / Rated Pressure | 10 kPa (0.1 kgf/cm ²) | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 120 L/min | | |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 18 kPa (0.18 kgf/cm ²) | 0.18 bar | 2.56 psig |
| 达到真空度 / Maximum Vacuum | -18.7 kPa (-140 mmHg) | -187 mbar | -5.51 in.Hg |
| 使用压力范围 / Working Pressure Range | -18.7 kPa ~ 18 kPa (-140 mmHg ~ 0.18 kgf/cm ²) | -187 mbar ~ 0.18 bar | -5.51 in.Hg ~ 2.56 psig |
| 最高压力 / Maximum Pressure | 15 kPa (0.15 kgf/cm ²) | 0.15 bar | 2.13 psig |
| 达到真空度 / Maximum Vacuum | -10 kPa (-76 mmHg) | -100 mbar | -2.95 in.Hg |
| 使用压力范围 / Working Pressure Range | -10 kPa ~ 15 kPa (-76 mmHg ~ 0.15 kgf/cm ²) | -100 mbar ~ 0.15 bar | -2.95 in.Hg ~ 2.13 psig |
| 消耗功率 / Power Consumption | 11 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ7.5 mm (外径)软管接头 / 7.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 66 (L) x 100 (W) mm | 2-19/32" (L) x 3-15/16" (W) | |
| 本体重量 / Gross Weight | 0.82 kg | 1.8 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

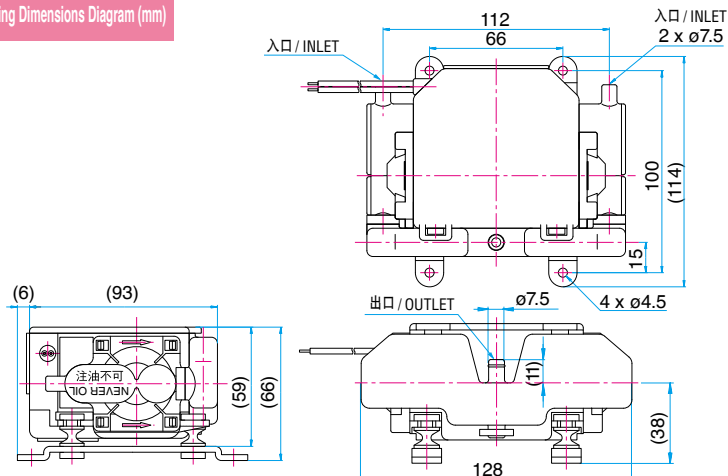
用途例 / Application Examples



按摩器 / Massage Devices

防褥疮垫
Bedsore Prevention Mattress

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



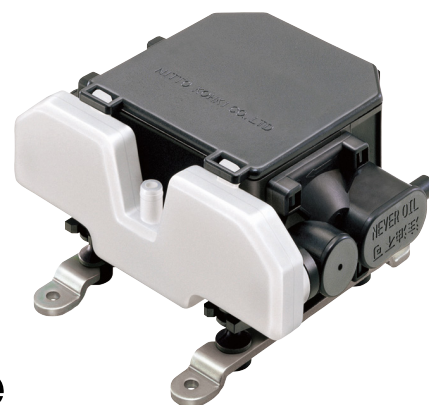
DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP

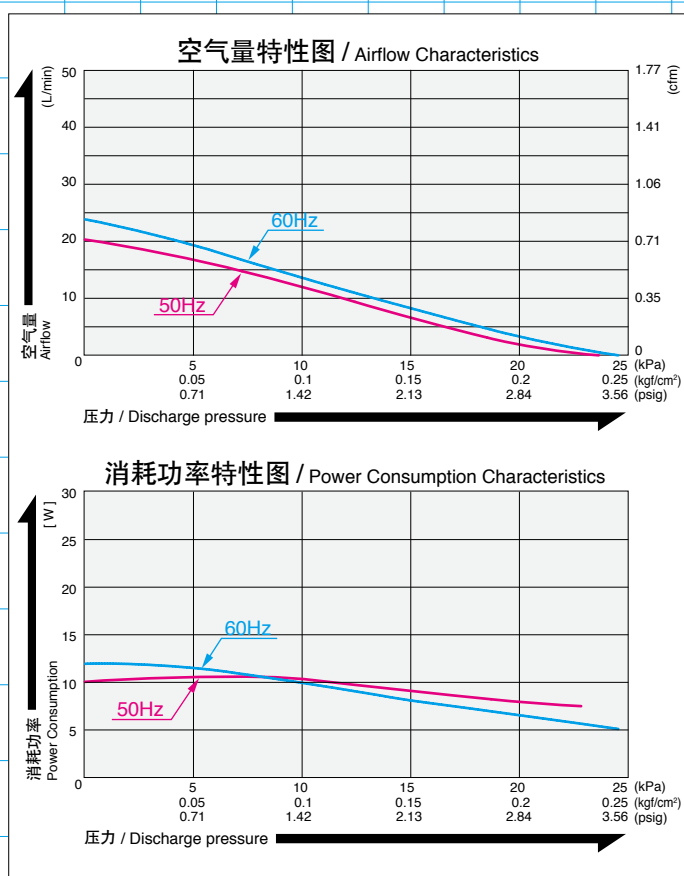


压缩机

vc0101 曝气机型 Blower Type



空气量和消耗功率 / Airflow & Power Consumption

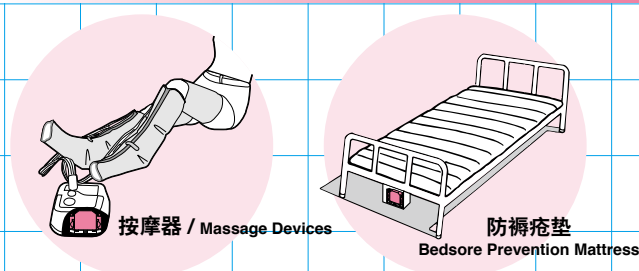


规格 / Specifications

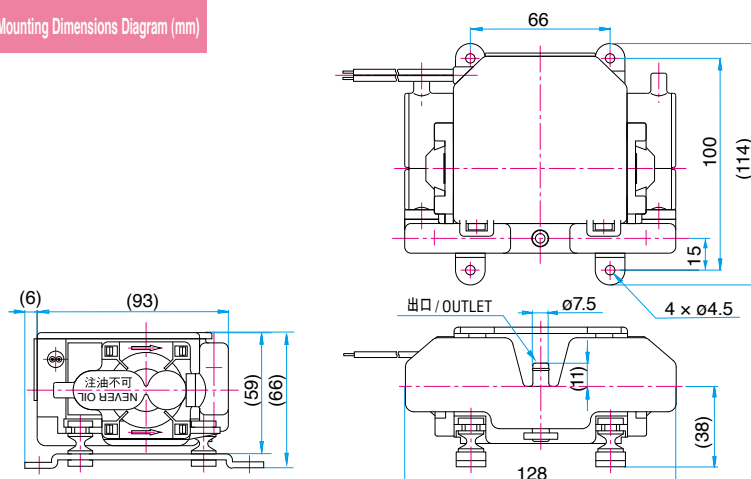
| VC0101 | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|-----------------------------|---------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 10 L/min | | 0.35 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 使用压力范围 / Working Pressure Range | 0 - 20 kPa {0 - 0.2 kgf/cm ² } | 0 - 0.2 bar | 0 - 2.84 psig |
| 消耗功率 / Power Consumption | 11 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口(或输入口)尺寸 / Outlet (or Inlet) | φ7.5 mm (外径) 软管接头 / 7.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 66 (L) x 100 (W) mm | 2-19/32" (L) x 3-15/16" (W) | |
| 本体重量 / Gross Weight | 0.82 kg | 1.8 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



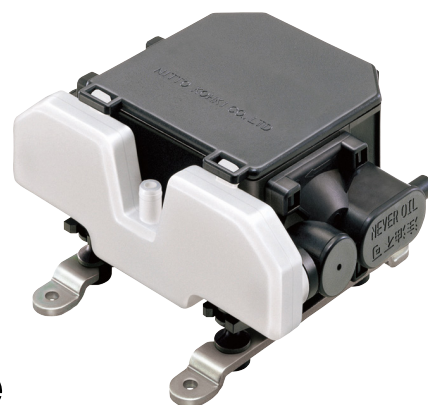
压缩机



真空泵

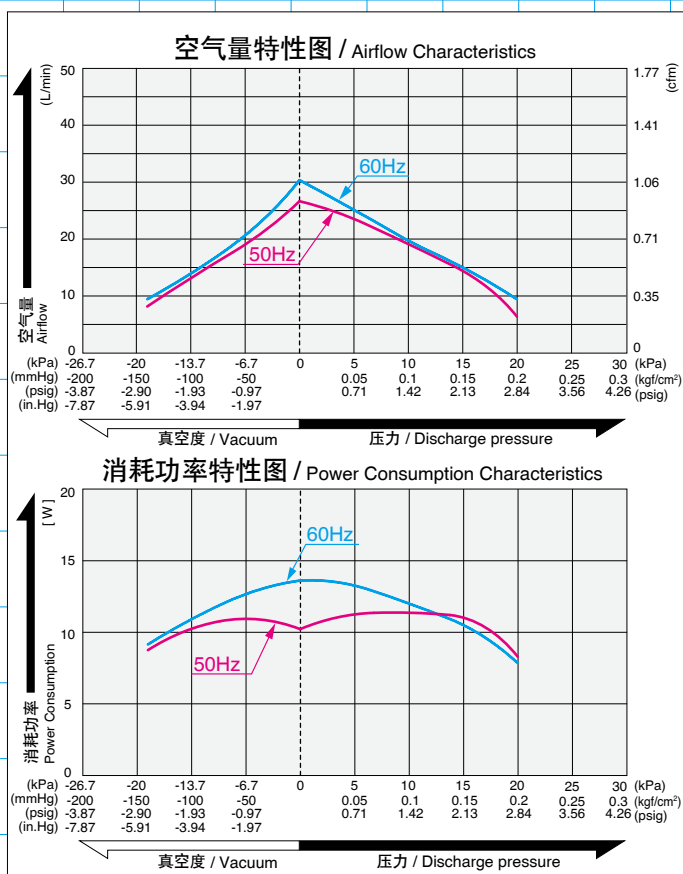


230V



VC0101E 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption



规格 / Specifications

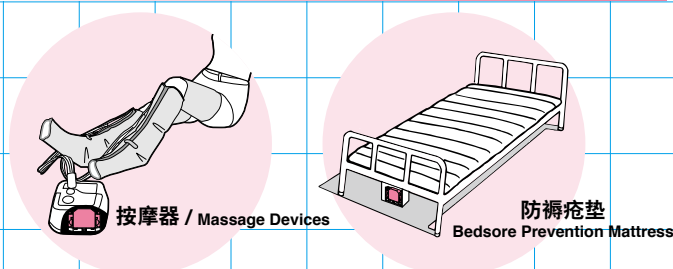
| VC0101E | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|-----------------------------|-------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 15 L/min | | 0.53 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 达到真空度 / Maximum Vacuum | -18.7 kPa {-140 mmHg} | -186 mbar | -5.51 in.Hg |
| 消耗功率 / Power Consumption | 11.5 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 使用压力范围 / Working Pressure Range | -18.7 kPa - 20 kPa {-140 mmHg - 0.2 kgf/cm ² } | -186 mbar - 0.2 bar | -5.51 in.Hg - 2.84 psig |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ7.5 mm (外径)软管接头 / 7.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 66 (L) x 100 (W) mm | 2-19/32" (L) x 3-15/16" (W) | |
| 本体重量 / Gross Weight | 0.82 kg | | 1.8 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" |

120 V UL 认证的，如需要可以提供。/ A UL approved model for 120V is available upon request.

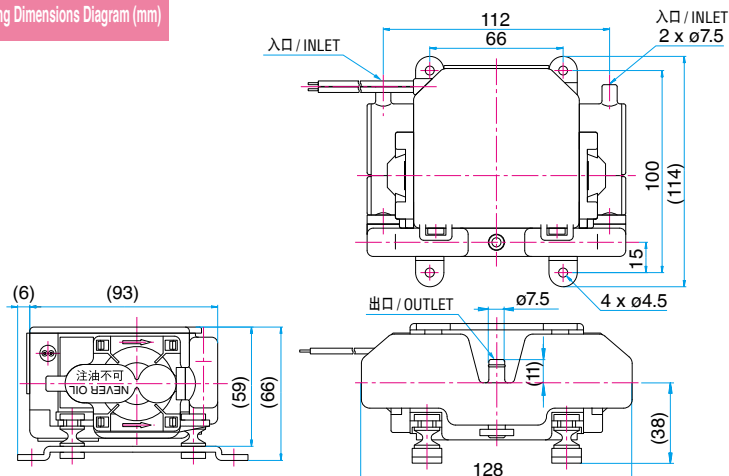
请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)

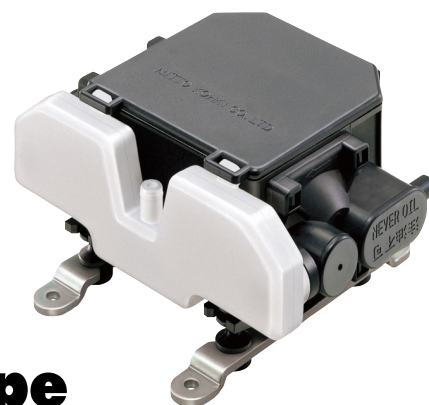


DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP

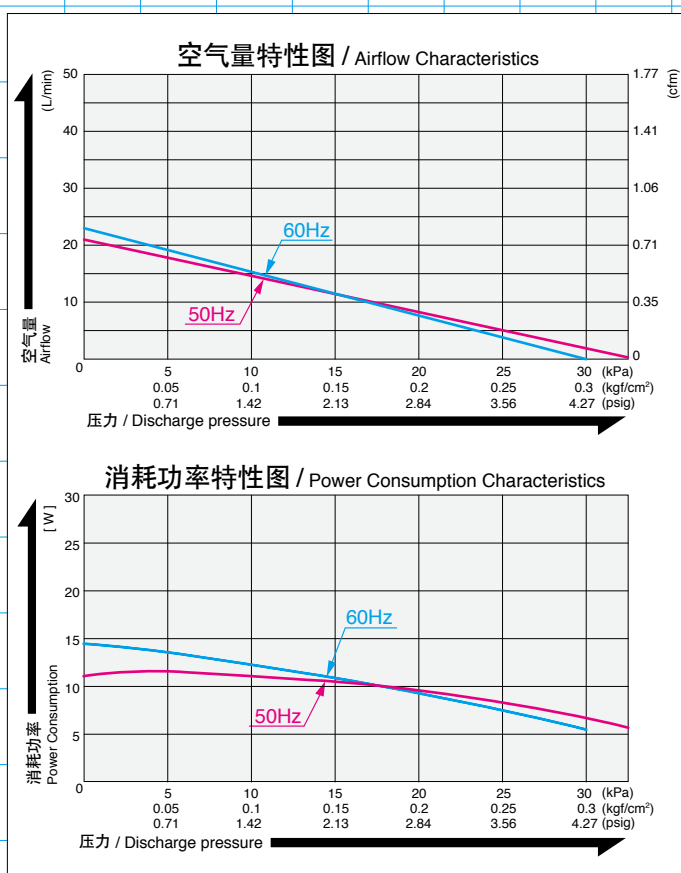


压缩泵



VC0101E 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption

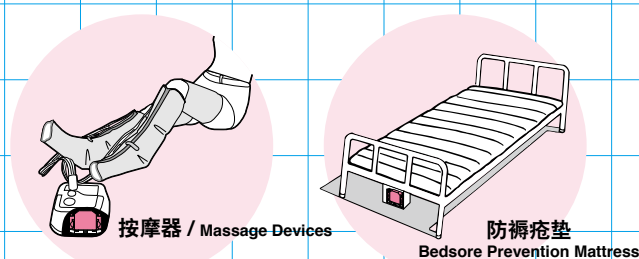


规格 / Specifications

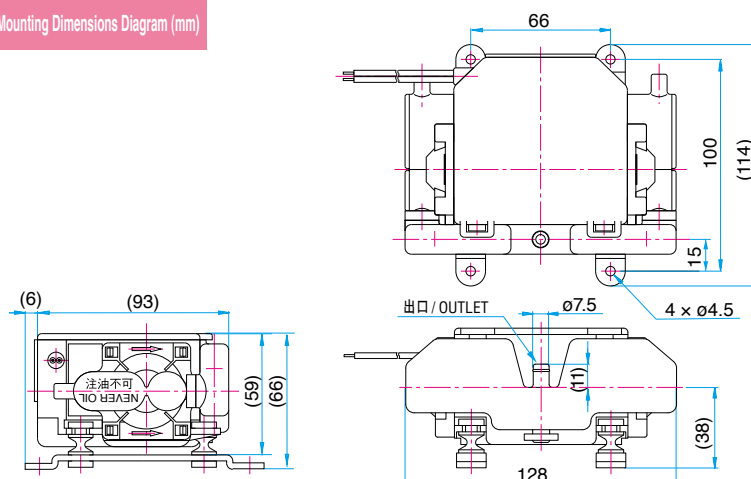
| VC0101E | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|-----------|-----------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 15 L/min | | 0.53 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 消耗功率 / Power Consumption | 11.5 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 使用压力范围 / Working Pressure Range | 0~20 MPa {0~0.2 kgf/cm ² } | 0~0.2 bar | 0~2.84 psig |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ7.5 mm (外径) 软管接头 / 7.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 66 mm (L) x 100 mm (W) | | 2-13/32" (L) x 3-15/16" (W) |
| 本体重量 / Gross Weight | 0.82 kg | | 1.8 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" |

120 V UL认证的, 如需要可以提供。 / A UL approved model for 120V is available upon request.
 请务必阅读“产品目录使用指南”, 确保正确使用。
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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩泵



真空泵



120V

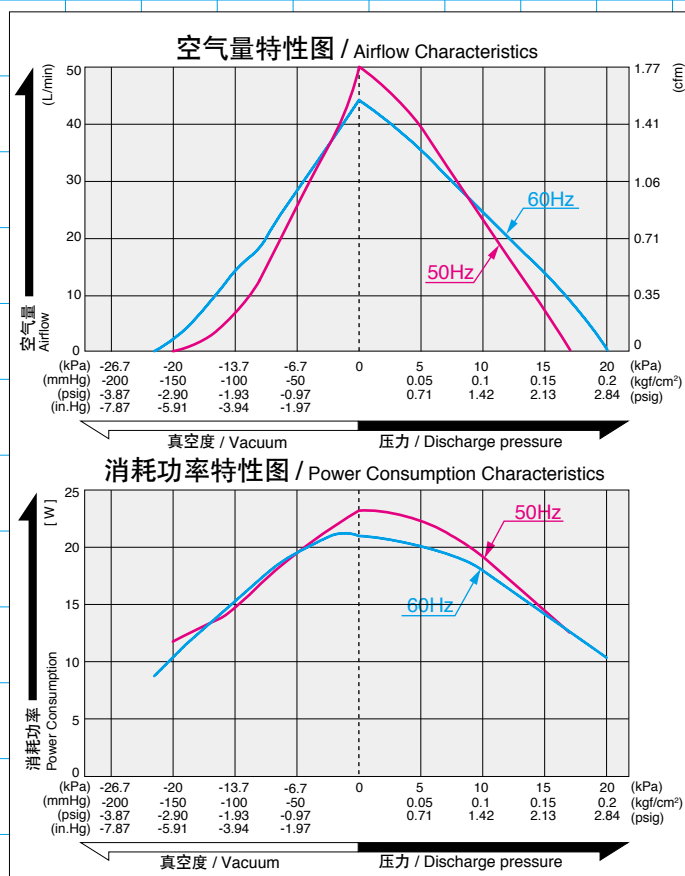


230V



vc0201 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption



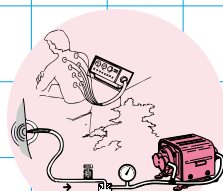
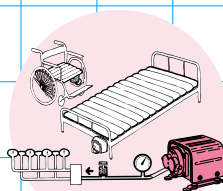
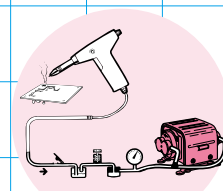
规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|----------------------|------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 20 L/min | | |
| | 0.71 cfm | | |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 18 kPa {0.18 kgf/cm ² } | 0.18 bar | 2.56 psig |
| 达到真空度 / Maximum Vacuum | -18.7 kPa {-140 mmHg} | -187 mbar | -5.5 in.Hg |
| 消耗功率 / Power Consumption | 18 W / 19 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 | -18.7 kPa - 18 kPa {-140 mmHg - 0.18 kgf/cm ² } | -187 mbar - 0.18 bar | -5.5 in.Hg - 2.56 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口(或吸入口)尺寸 / Outlet (or inlet) | φ8.5 mm (外径)软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 100 (L) x 85 (W) mm | | |
| 本体重量 / Gross Weight | 1.8 kg | | |
| 导线长度 / Leadwire Length | 200 mm | | |

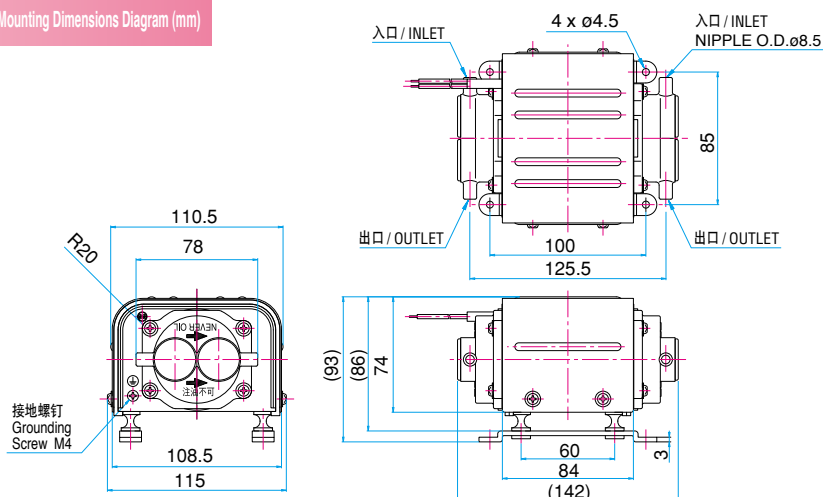
请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

干涉波治疗仪
Medical Cup Suction防褥疮垫
Bedsore Prevention Mattress焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩泵



120V

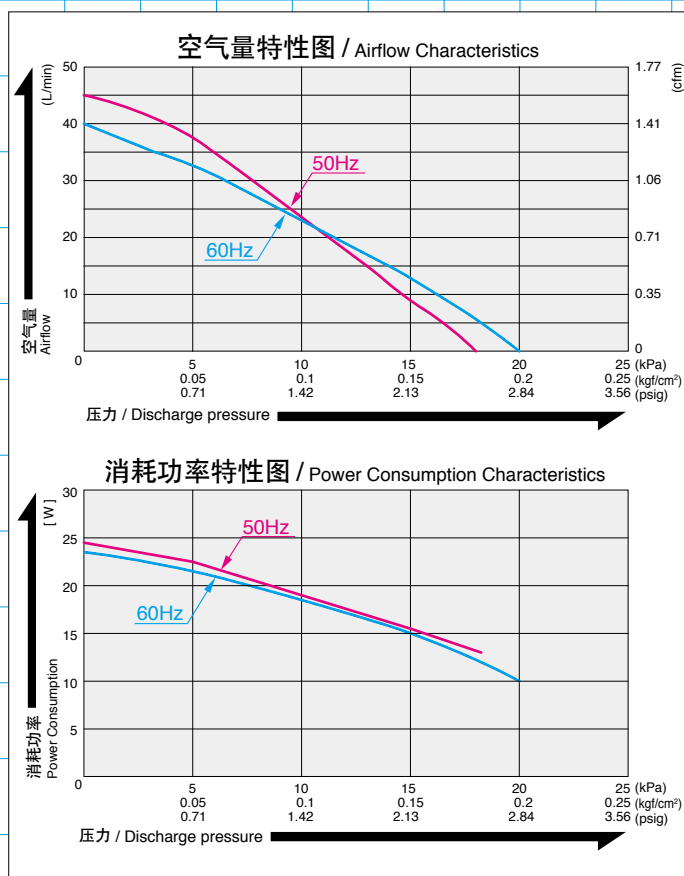


230V



vc0201 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption

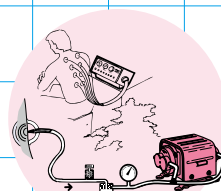


规格 / Specifications

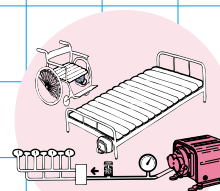
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|--------------|---------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 20 L/min | | |
| | 0.71 cfm | | |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 18 kPa {0.18 kgf/cm ² } | 0.18 bar | 2.56 psig |
| 消耗功率 / Power Consumption | 18 W / 19 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 / Working Pressure Range | 0 - 18 kPa {0 - 0.18 kgf/cm ² } | 0 - 0.18 bar | 0 - 2.56 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ8.5 mm (外径)软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 100 (L) x 85 (W) mm | | |
| 本体重量 / Gross Weight | 1.8 kg | | 4 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

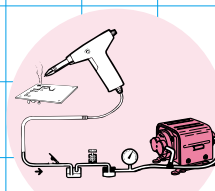
用途例 / Application Examples



干涉波治疗仪
Medical Cup Suction

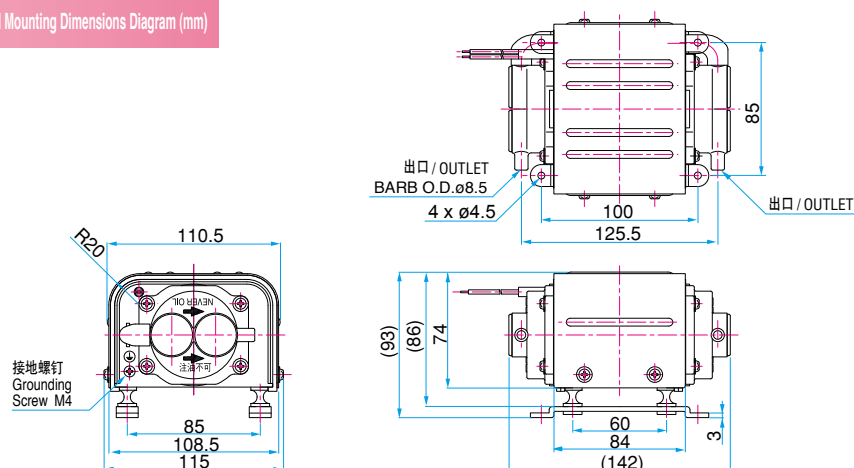


防褥疮垫
Bedsore Prevention Mattress



焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩机



真空泵



120V

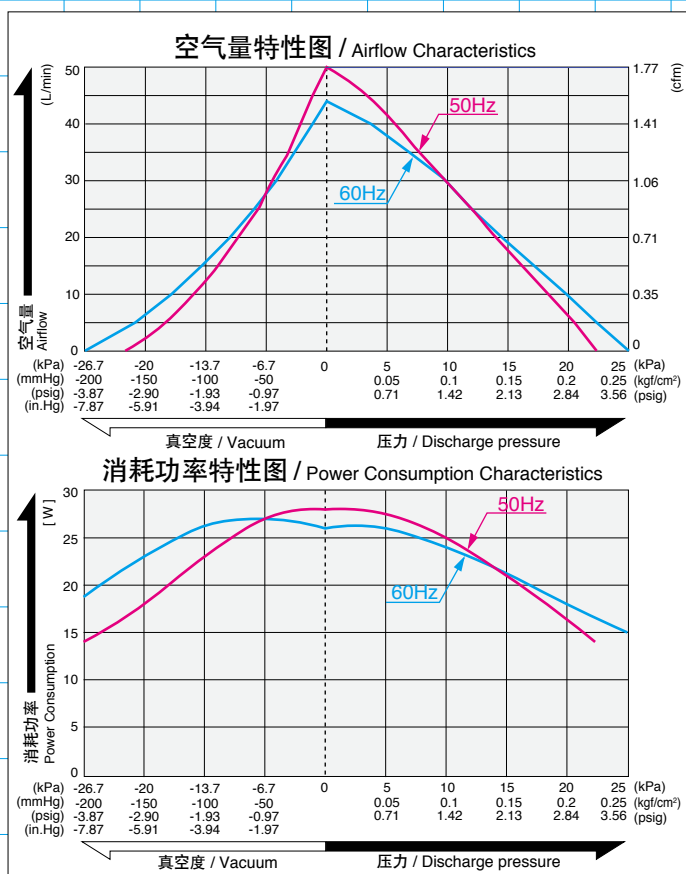


230V



vc0301 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption

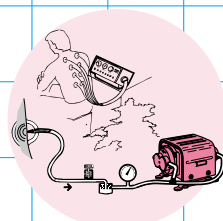


规格 / Specifications

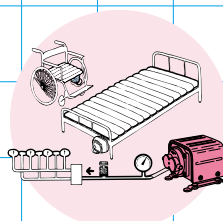
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|---------------------|------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow Q301 | 25 L/min | | 0.88 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 达到真空度 / Maximum Vacuum | -21.3 kPa {-160 mmHg} | -213 mbar | -6.3 in.Hg |
| 消耗功率 / Power Consumption | 24 W / 25 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 / Working Pressure Range | -21.3 kPa - 20 kPa {-160 mmHg - 0.2 kgf/cm ² } | -213 mbar - 0.2 bar | -6.3 in.Hg - 2.84 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口(或吸入口)尺寸 / Outlet (or Inlet) | φ8.5 mm (外径)软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 100 (L) x 85 (W) mm | | |
| 本体重量 / Gross Weight | 1.8 kg | | |
| 导线长度 / Leadwire Length | 200 mm | | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

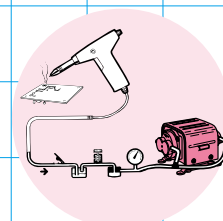
用途例 / Application Examples



干涉波治疗仪
Medical Cup Suction

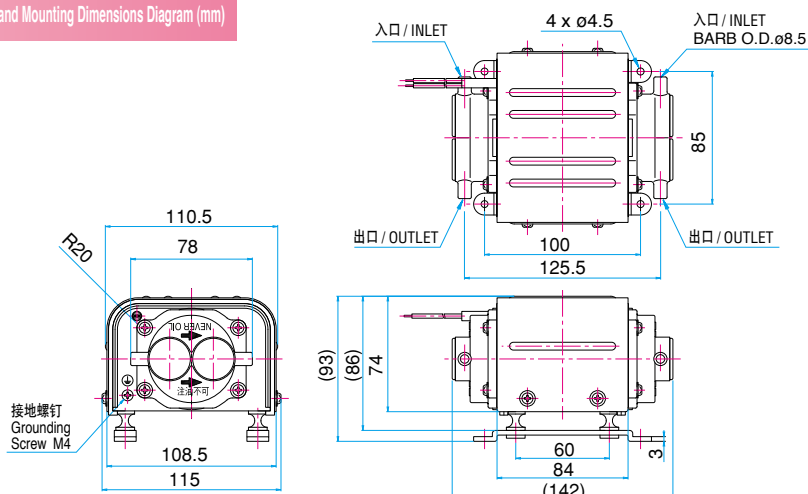


防褥疮垫
Bedsore Prevention Mattress



焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



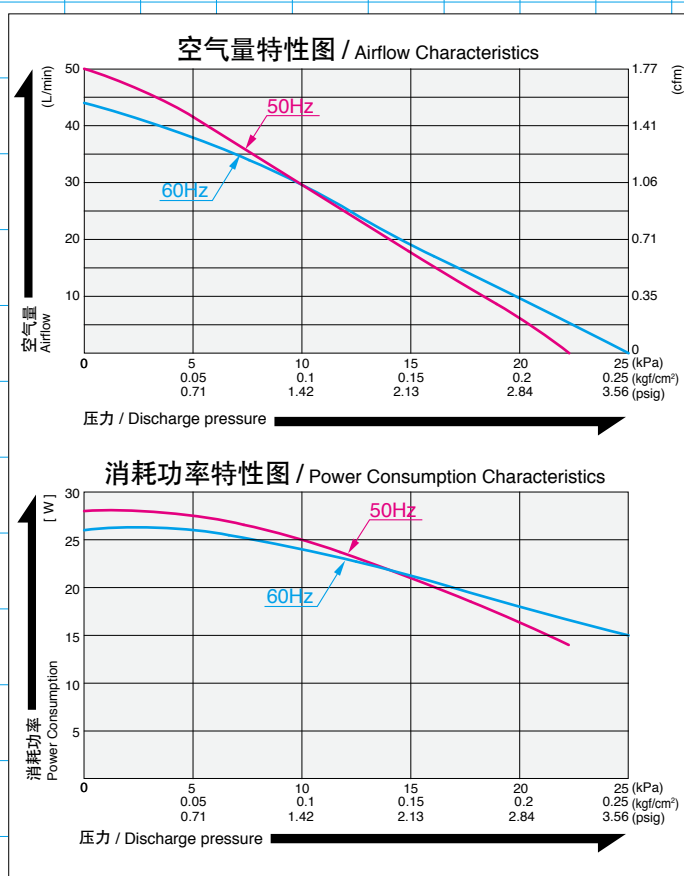
DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



vc0301 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption

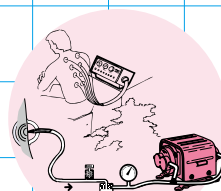


规格 / Specifications

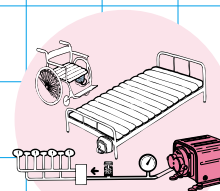
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|------------------------|---------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow 0301 | 25 L/min | | 0.88 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 消耗功率 / Power Consumption | 24 W / 25 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 / Working Pressure Range | -21.3 kPa - 20 kPa {-160 mmHg - 0.2 kgf/cm ² } | -213 mbar - 0.2 bar | -6.3 in.Hg - 2.84 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口(或吸入口)尺寸 / Outlet (or inlet) | φ8.5 mm (外径)软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 120 V: 相当于A类, 230 V: 相当于B类 / B for 230 V & A for 120 V or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 100 (L) x 85 (W) mm | | 3-15/16" (L) x 3-3/8" (W) |
| 本体重量 / Gross Weight | 1.8 kg | | 4 Lbs. |
| 导线长度 / Leadwire Length | 200 mm | | 7-7/8" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

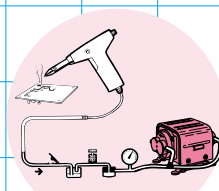
用途例 / Application Examples



干涉波治疗仪
Medical Cup Suction

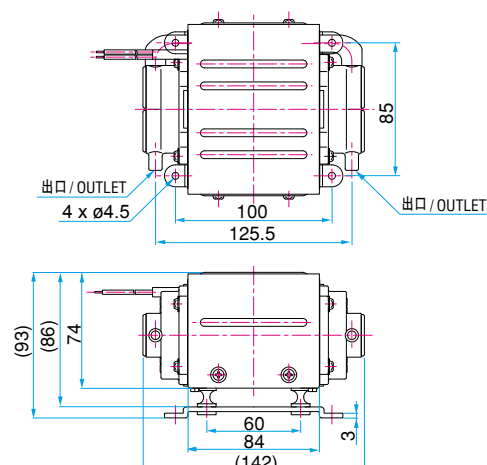
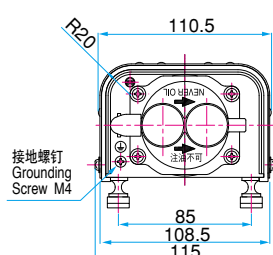


防褥疮垫
Bedsore Prevention Mattress



焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩机



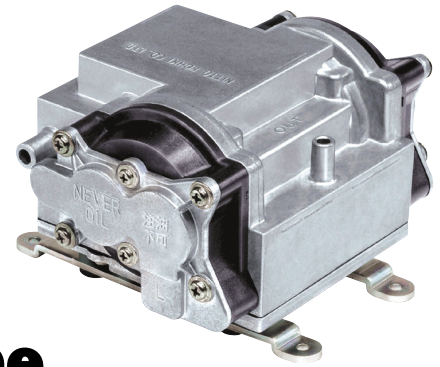
真空泵



120V/230V

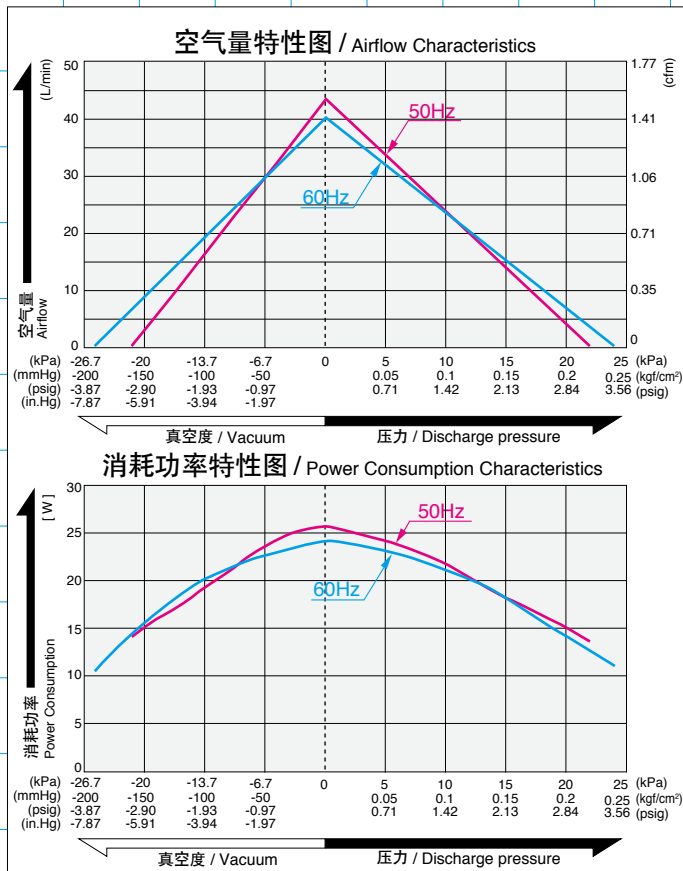


230V



vc0201B 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption

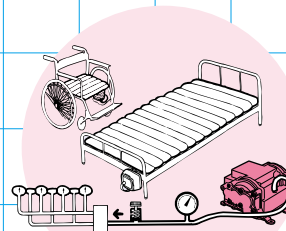


规格 / Specifications

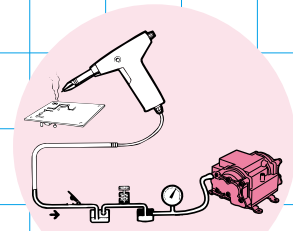
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|--|-----------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 20 L/min | | 0.71 cfm |
| 额定电压 / Rated Voltage | | 120 V AC / 230 V AC | |
| 最高压力 / Maximum Pressure | 18 kPa {0.18 kgf/cm ² } | 0.18 bar | 2.56 psig |
| 达到真空度 / Maximum Vacuum | -18.7 kPa (-140 mmHg) | -187 mbar | -5.5 in.Hg |
| 消耗功率 / Power Consumption | | 21 W | |
| 额定频率 / Rated Frequency | | 60 Hz / 50 Hz | |
| 使用压力范围 / Working Pressure Range | -18.7 kPa ~ 18 kPa {-140 mmHg ~ 0.18 kgf/cm ² } | -187 mbar ~ 0.18 bar | -5.5 in.Hg ~ 2.56 psig |
| 耐用时间 / Life Expectancy | | 10,000 小时 / 10,000 hours | |
| 吸入口尺寸 / or Inlet | | φ10.5 mm (外径)软管接头 / 10.5 mm O.D. hose barb | |
| 吐出口尺寸 / Outlet | | φ8.5 mm (外径)软管接头 / 8.5 mm O.D. hose barb | |
| 额定时间 / Duty Cycle | | 连续 / Continuous | |
| 线圈绝缘等级 / Coil Insulation Class | | 相当于E类 (JETL), UL规格品: 相当于A类 / E or its equivalent (JETL) and A for UL | |
| 安装尺寸 / Mounting Dimensions | | 125 (L) x 56 (W) mm | 4-15/16" (L) x 2-13/64" (W) |
| 本体重量 / Gross Weight | | 1.7 kg | 3.7 Lbs. |
| 导线长度 / Leadwire Length | | 300 mm | 11-13/16" |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

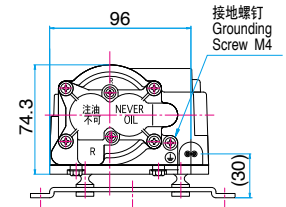
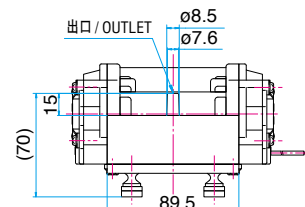
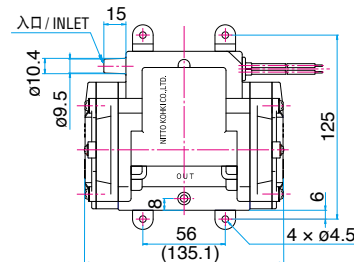
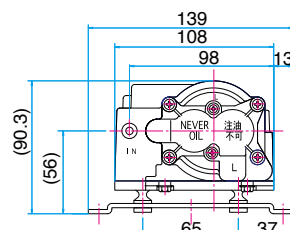


防褥疮垫
Bedsore Prevention Mattress



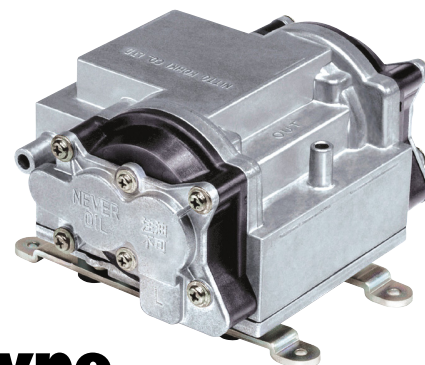
焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



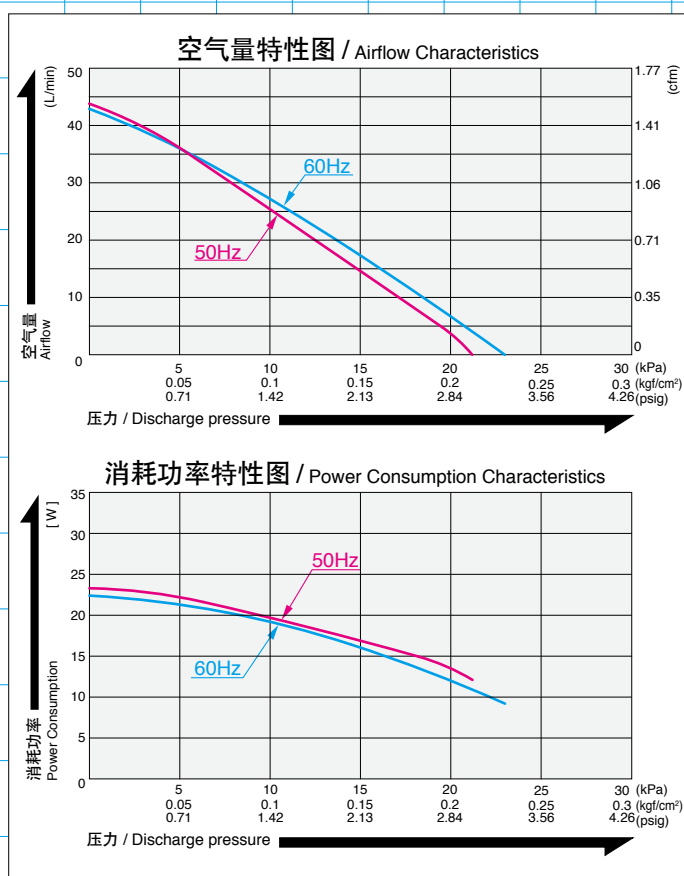
DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



vc0201B 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption

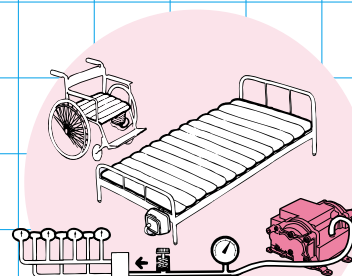


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|---|-----------------------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 20 L/min | | 0.71 cfm |
| 额定电压 / Rated Voltage | | 120 V AC / 230 V AC | |
| 最高压力 / Maximum Pressure | 18 kPa {0.18 kgf/cm ² } | 0.18 bar | 2.56 psig |
| 消耗功率 / Power Consumption | | 21 W | |
| 额定频率 / Rated Frequency | | 60 Hz / 50 Hz | |
| 使用压力范围 / Working Pressure Range | 0 - 18 kPa {0 - 0.18 kgf/cm ² } | 0 - 0.18 bar | 0 - 2.56 psig |
| 耐用时间 / Life Expectancy | | 10,000 小时 / 10,000 hours | |
| 吐出口尺寸 / Outlet | | φ8.5 mm (外径) 软管接头 / 8.5 mm O.D. hose barb | |
| 额定时间 / Duty Cycle | | 连续 / Continuous | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL), UL规格品: 相当于A类 / E or its equivalent (JETL) and A for UL | | |
| 安装尺寸 / Mounting Dimensions | 125 (L) x 56 (W) mm | | 4-15/16" (L) x 2-13/64" (W) |
| 本体重量 / Gross Weight | 1.7 kg | | 3.7 Lbs. |
| 导线长度 / Leadwire Length | 300 mm | | 11-13/16" |

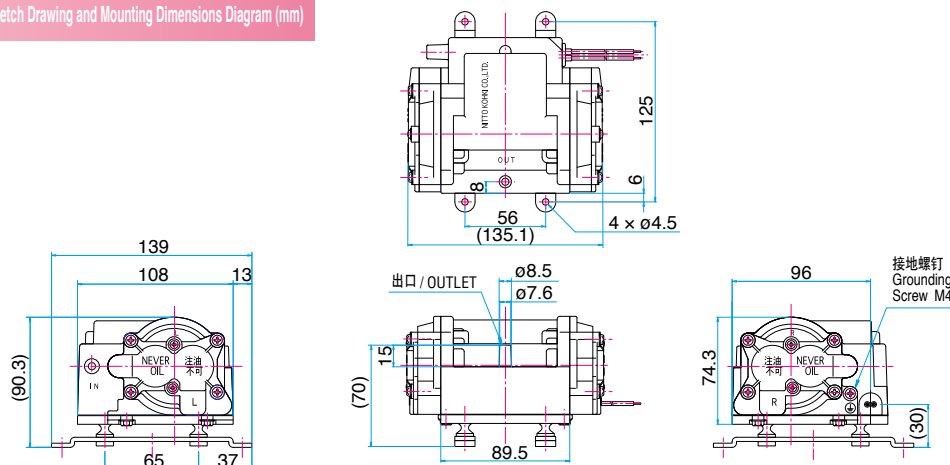
120 V UL认证的, 如需要可以提供。/ A UL approved model for 120V is available upon request.
 请务必阅读“产品目录使用指南”, 确保正确使用。
 Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



防褥疮垫
Bedsore Prevention Mattress

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩机



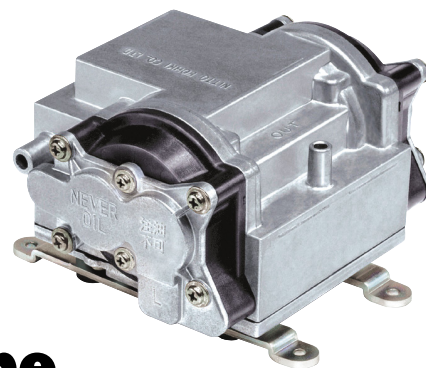
真空泵



120V/230V

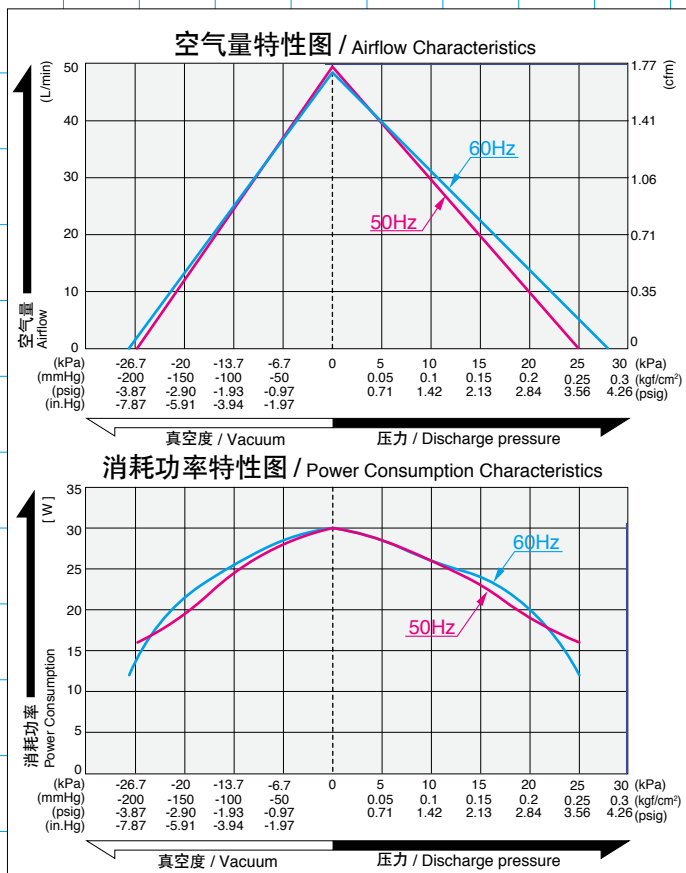


230V



VC0301B 兼用型 Dual Type

空气量和消耗功率 / Airflow & Power Consumption



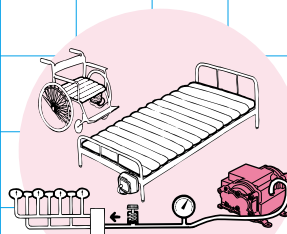
规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|---|------------------------|
| 额定压力 / Rated Pressure | 10 kPa (0.1 kgf/cm ²) | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 25 L/min | | |
| 额定电压 / Rated Voltage | 120 V A / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa (0.2 kgf/cm ²) | 0.2 bar | 2.84 psig |
| 达到真空度 / Maximum Vacuum | -21.3 kPa (-160 mmHg) | -213 mbar | -6.3 in.Hg |
| 消耗功率 / Power Consumption | 27 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 / Working Pressure Range | -21.3 kPa - 20 kPa (-160 mmHg - 0.2 kgf/cm ²) | -213 mbar - 0.2 bar | -6.3 in.Hg - 2.84 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吸入口尺寸 / Inlet | φ10.5 mm (外径) 软管接头 / 10.5 mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | φ8.5 mm (外径) 软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 / B or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 125 (L) x 56 (W) mm | 4 ^{-15/16} " (L) x 2 ^{-13/64} " (W) | |
| 本体重量 / Gross Weight | 1.7 kg | 3.7 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

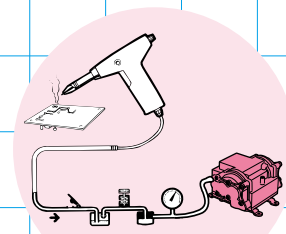
请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

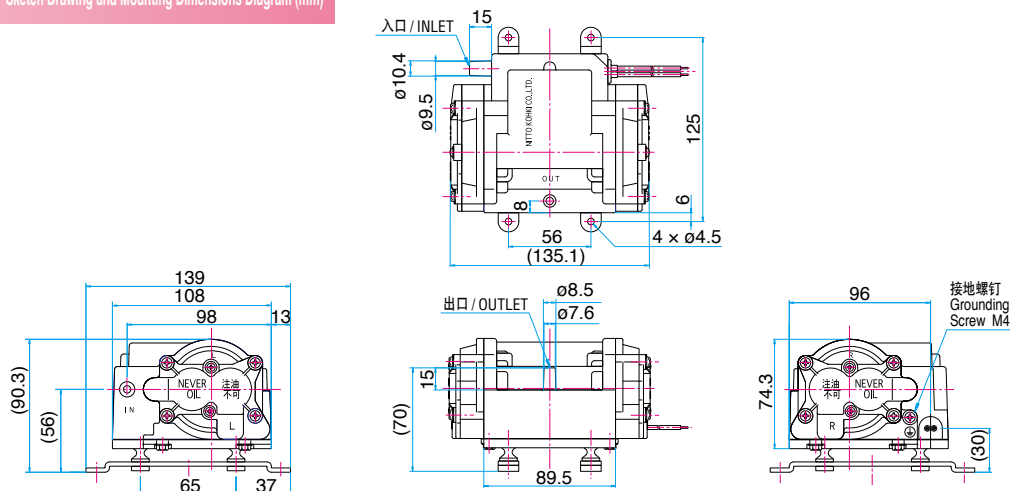


防褥疮垫
Bedsore Prevention Mattress



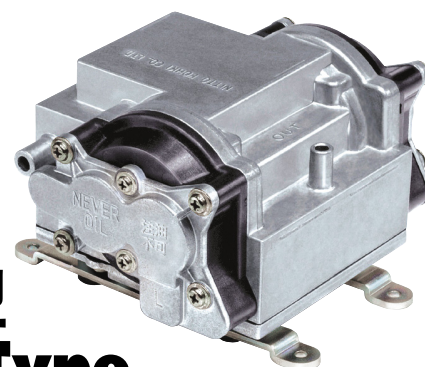
焊料吸引器
Solder Fume Suction

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



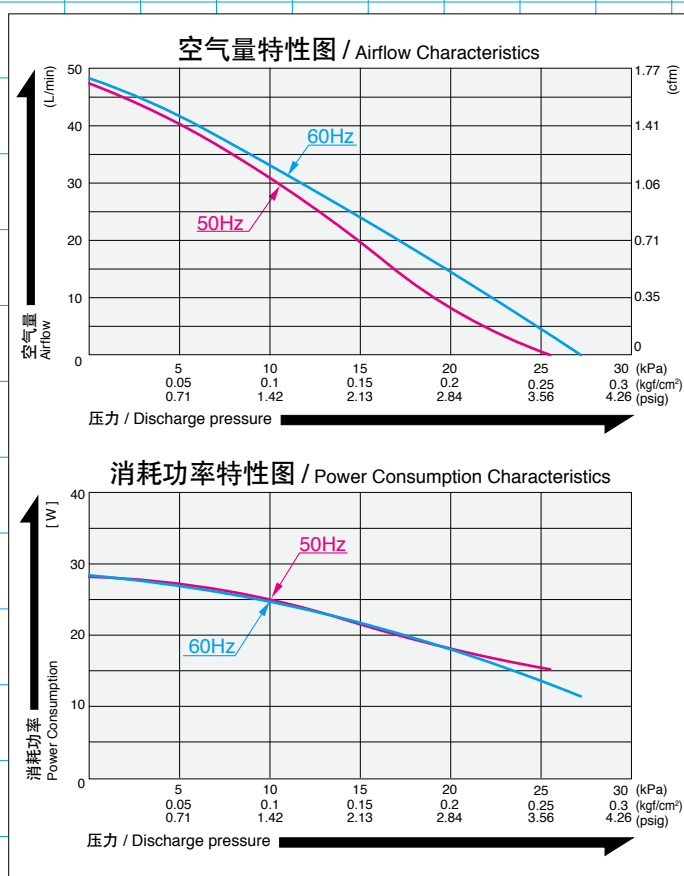
DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP



vc0301B 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|----------------------------------|---|-----------------------------|---------------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 25 L/min | | 0.88 cfm |
| 额定电压 / Rated Voltage | 120 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 20 kPa {0.2 kgf/cm ² } | 0.2 bar | 2.84 psig |
| 消耗功率 / Power Consumption | 27 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 使用压力范围 Working Pressure Range | 0 - 20 kPa { 0 - 0.2 kgf/cm ² } | 0 - 0.2 bar | 0 - 2.84 psig |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | φ8.5 mm (外径) 软管接头 / 8.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 / B or its equivalent | | |
| 安装尺寸 / Mounting Dimensions | 125 (L) x 56 (W) mm | 4-15/16" (L) x 2-13/64" (W) | |
| 本体重量 / Gross Weight | 1.7 kg | 3.7 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

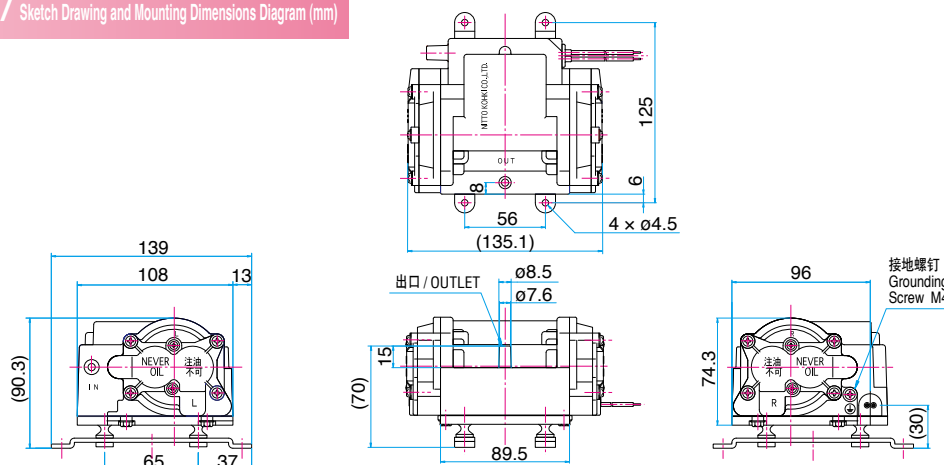
120 V UL 认证的, 如需要可以提供。/ A UL approved model for 120V is available upon request.
请务必阅读“产品目录使用指南”, 确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



防褥疮垫
Bedsores Prevention Mattress

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)





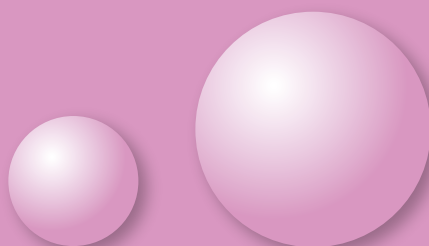
隔膜泵 活塞泵

DIAPHRAGM PUMP
PISTON PUMP

DC 线性驱动

隔膜泵 / Diaphragm Pump

活塞泵 / Piston Pump



Compressor
压缩泵



Vacuum
真空泵

DP0125
P69

DP0140
P70

DP0102
P71

DP0102S
P72

DP0102H-X1
P73

DP0102H-X2
P74

DP0105-X1
P75

DP0105-Y1
P76

DPA0105-X1
P77

DPA0105-Y1
P78

DP0110-X1
P79

DP0110-Y1
P80

DP0110PWM
P81

DP0110T-X1
P82

DP0110T-Y1
P83

DP0410-X2
P84

DP0410-Y2
P85

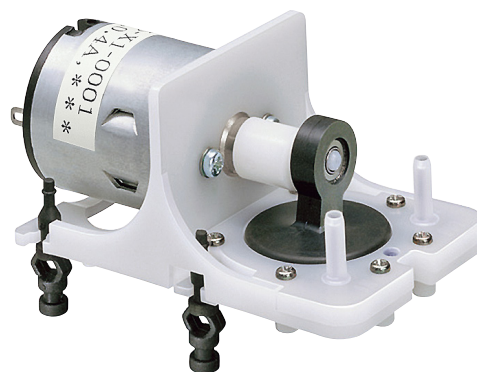
DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

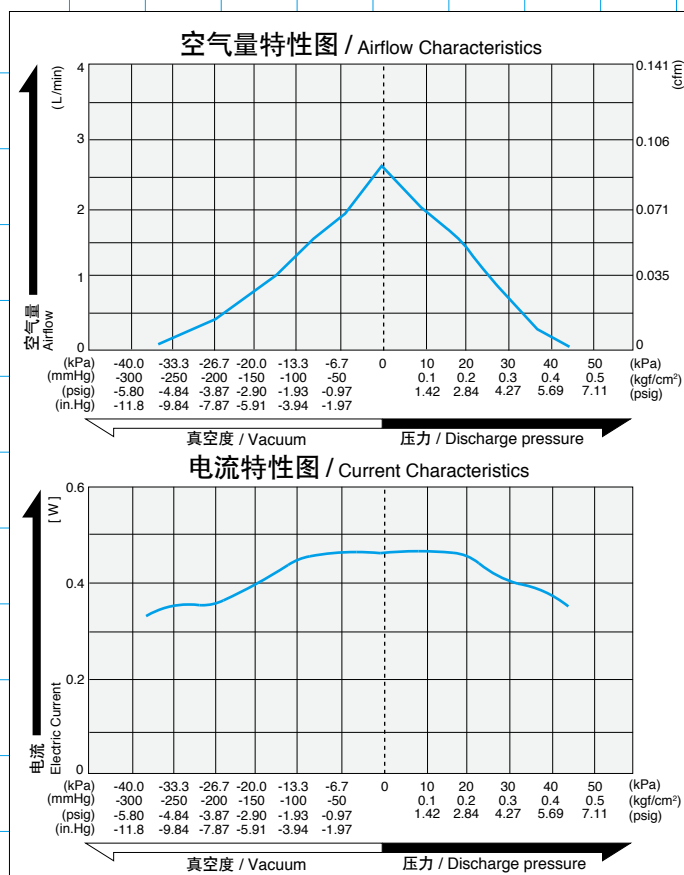
隔膜泵 / DIAPHRAGM PUMP



DP0125



空气量和电流 / Airflow & Electric Current

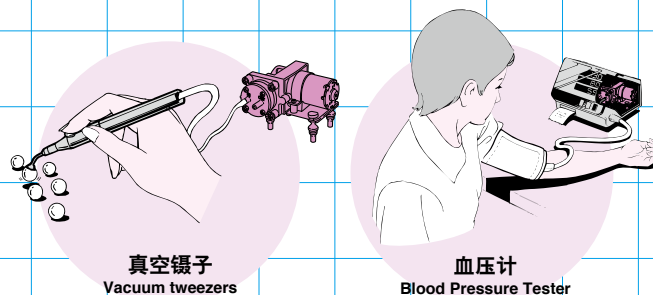


规格 / Specifications

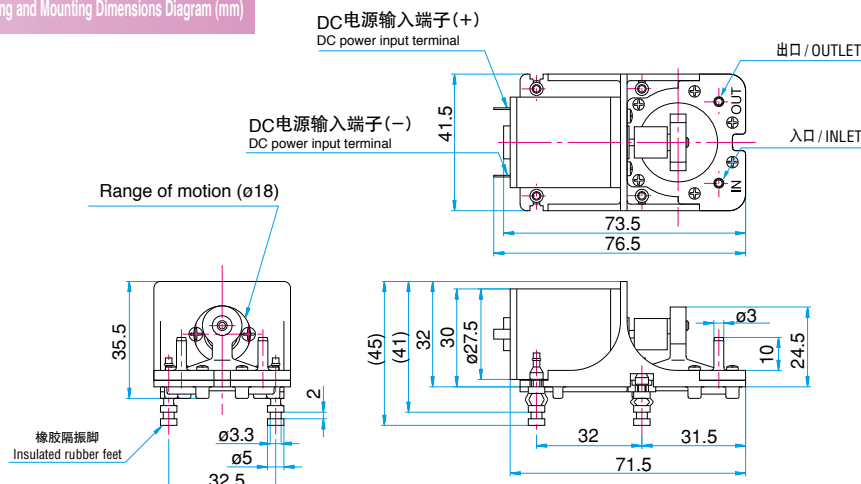
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|--------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -33.3 kPa {-250 mmHg} | -333 mbar | -9.84 in.Hg |
| 吐出空气量 / Free Air Displacement | 2.5 L/min | | 0.088 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 30 kPa {0.3 kgf/cm ² } | 0.3 bar | 4.27 psig |
| 最大电流 / Maximum Current | 0.5 A | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 200 小时 / 200 hours | | |
| 吸入口/或吐出口尺寸 / Inlet (or Outlet) | φ3 mm (外径) 直管接头 / 3 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 32 mm (L) x 32.5 mm (W) | 1 1/4" (L) x 1 9/32" (W) | |
| 本体重量 / Gross Weight | 0.08 kg | 0.18 Lbs. | |

请务必阅读“产品目录使用指南”，确保正确使用。
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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



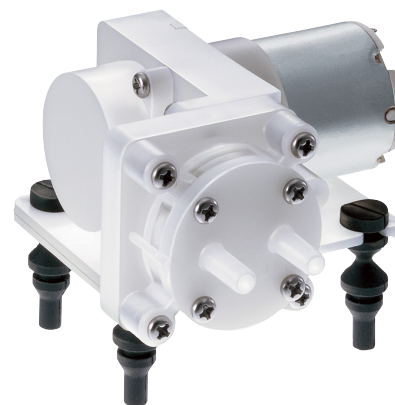
DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

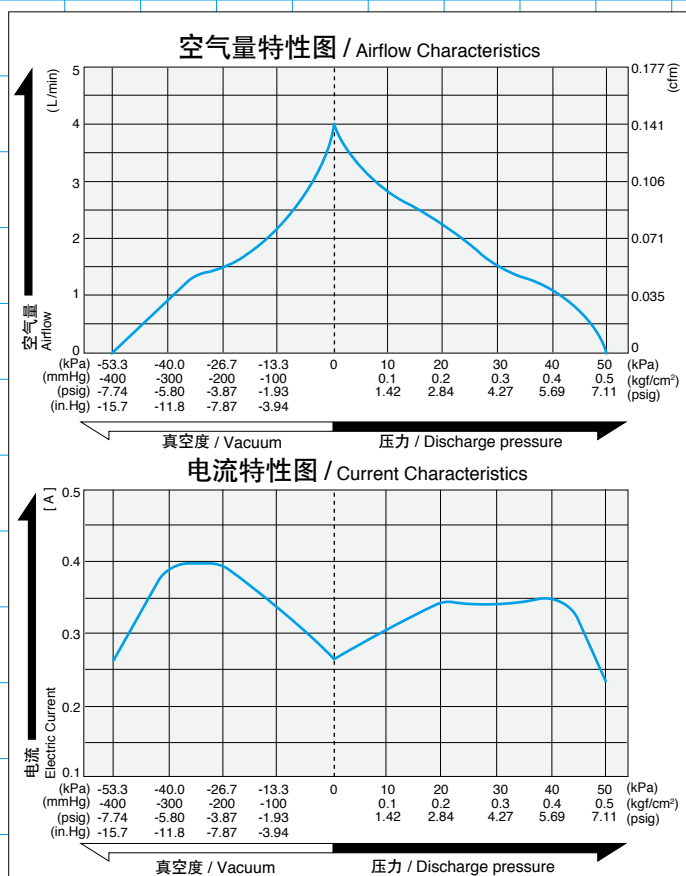
隔膜泵 / DIAPHRAGM PUMP



DP0140



空气量和电流 / Airflow & Electric Current

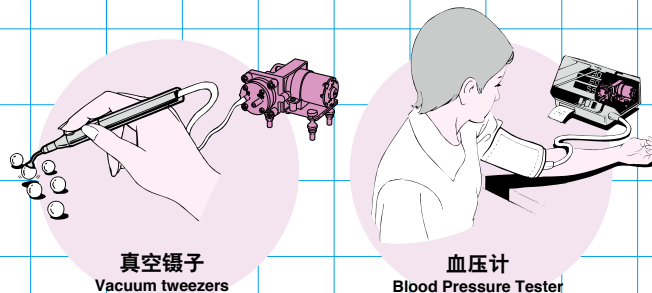


规格 / Specifications

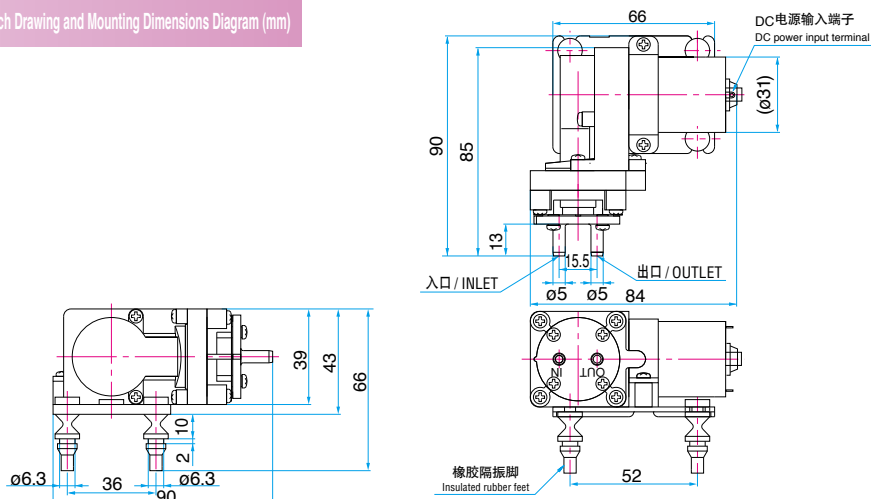
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -53.3 kPa {-400 mmHg} | -533 mbar | -15.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 4 L/min | | 0.141 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 50 kPa {0.5 kgf/cm ² } | 0.5 bar | 7.11 psig |
| 最大电流 / Maximum Current | 0.5 A | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 500 小时 / 500 hours | | |
| 吸入口(或吐出口)尺寸 / Inlet (or Outlet) | φ5 mm(外径)直管接头 / 5 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 52 mm(L) x 36 mm(W) | 2-1/16" (L) x 1-7/16" (W) | |
| 本体重量 / Gross Weight | 0.19 kg | 0.42 Lbs. | |

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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

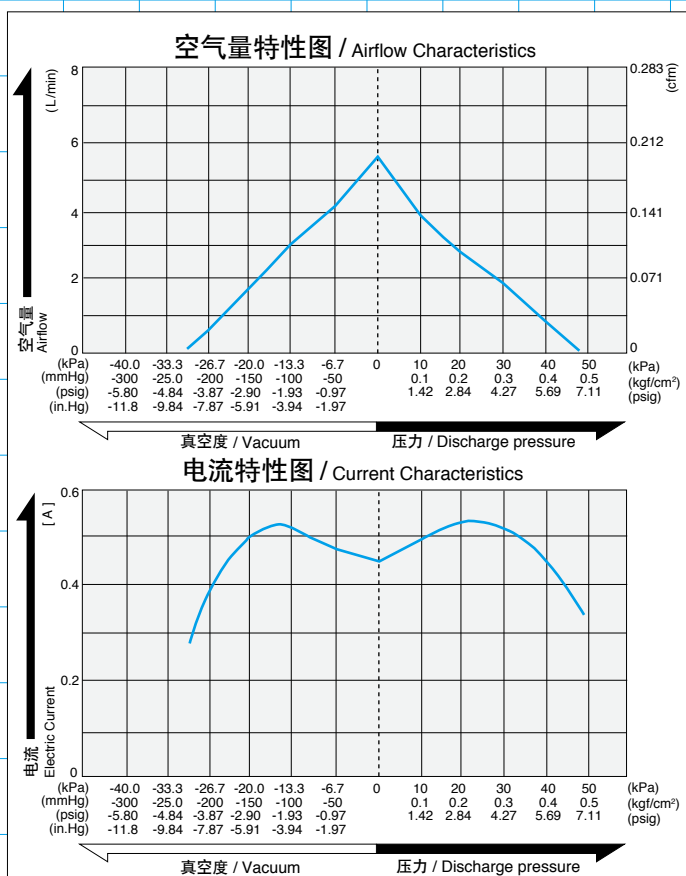
隔膜泵 / DIAPHRAGM PUMP



DP0102



空气量和电流 / Airflow & Electric Current

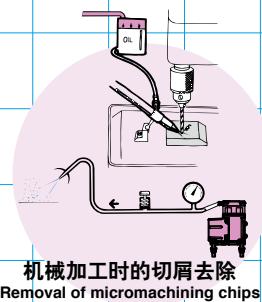


规格 / Specifications

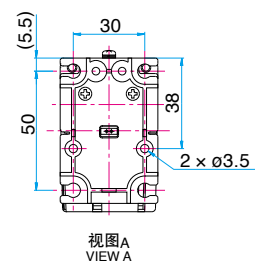
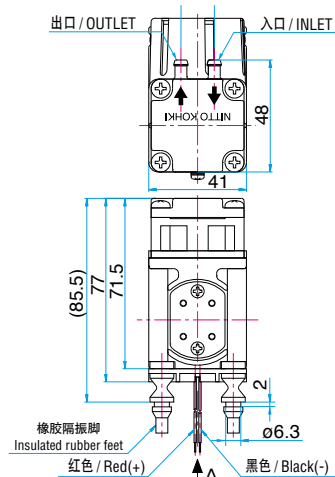
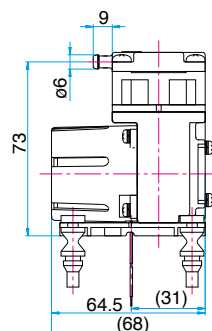
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|--|------------------------|
| 达到真空度 / Attainable Vacuum | -26.7 kPa (-200 mmHg) | -267 mbar | -7.87 in.Hg |
| 吐出空气量 / Free Air Displacement | 5.0 L/min | | 0.177 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 45 kPa {0.45 kg/cm ² } | 0.45 bar | 6.4 psig |
| 最大电流 / Maximum Current | 0.7 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | -26.7 kPa - 45 kPa {-200 mmHg - 0.45 kg/cm ² } | -267 mbar - 0.45 bar | -7.87 in.Hg - 6.4 psig |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径) 直管接头 / 6 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1- ³¹ / ₃₂ "(L) x 1- ⁹ / ₁₆ "(W) | |
| 本体重量 / Gross Weight | 0.25 kg | 0.55 Lbs. | |
| 导线长度 / Leadwire Length | 400 mm | 15- ³ / ₄ " | |

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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

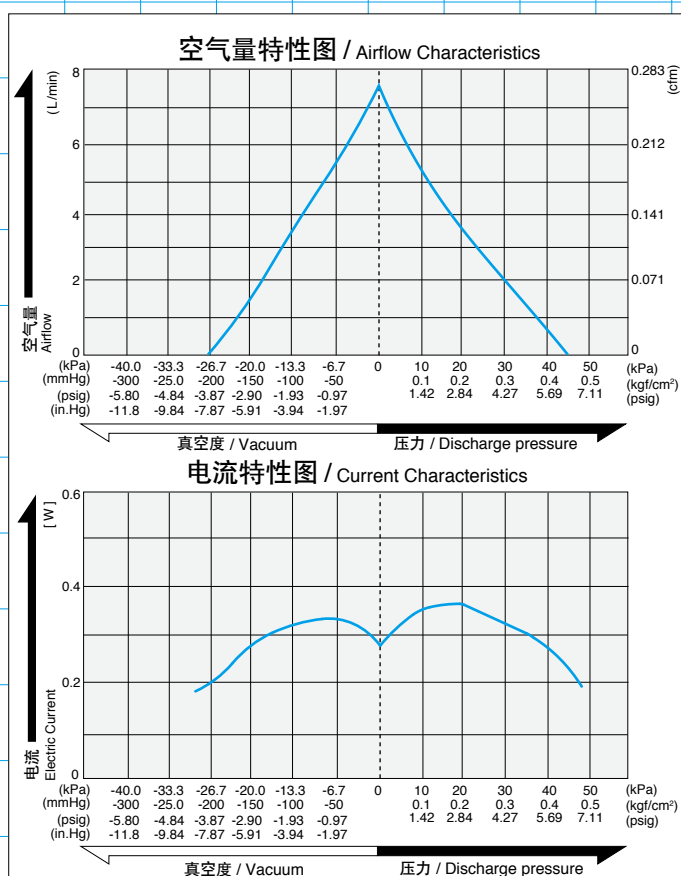
隔膜泵 / DIAPHRAGM PUMP



DP0102s



空气量和电流 / Airflow & Electric Current



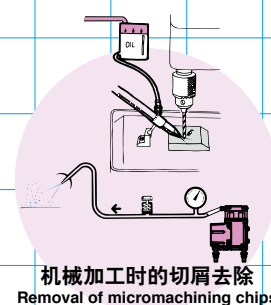
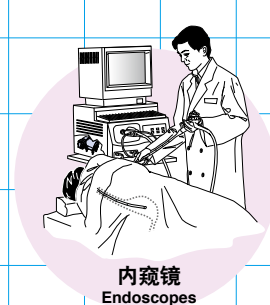
规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|---------------------------------|---------------------------|
| 达到真空度 / Attainable Vacuum | -26.7 kPa (-200 mmHg) | -267 mbar | -7.87 in.Hg |
| 吐出空气量 / Free Air Displacement | 7.0 L/min | | 0.247 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 45 kPa {0.45 kg/cm²} | 0.45 bar | 6.4 psig |
| 最大电流 / Maximum Current | 0.5 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | -26.7 kPa - 0.045 MPa {-200 mmHg - 0.45 kg/cm²} | -267 mbar - 0.45 bar | -7.87 in.Hg - 6.4 psig |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径) 直管接头 / 6 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1- 3/32" (L) x 1- 3/16" (W) in. | |
| 本体重量 / Gross Weight | 0.25 kg | | 0.55 Lbs. |
| 导线长度 / Leadwire Length | 400 mm | | 15- 3/4" |

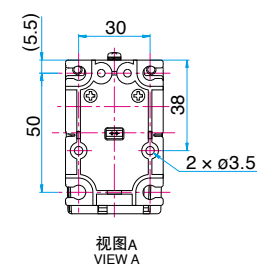
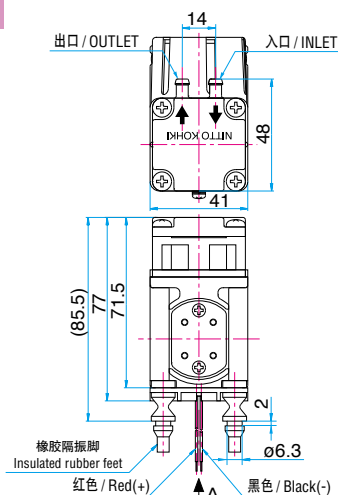
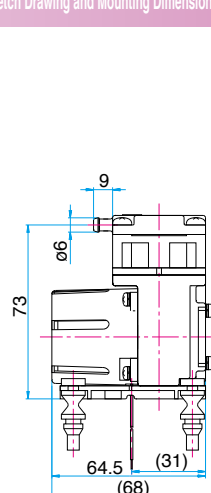
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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

隔膜泵 / DIAPHRAGM PUMP

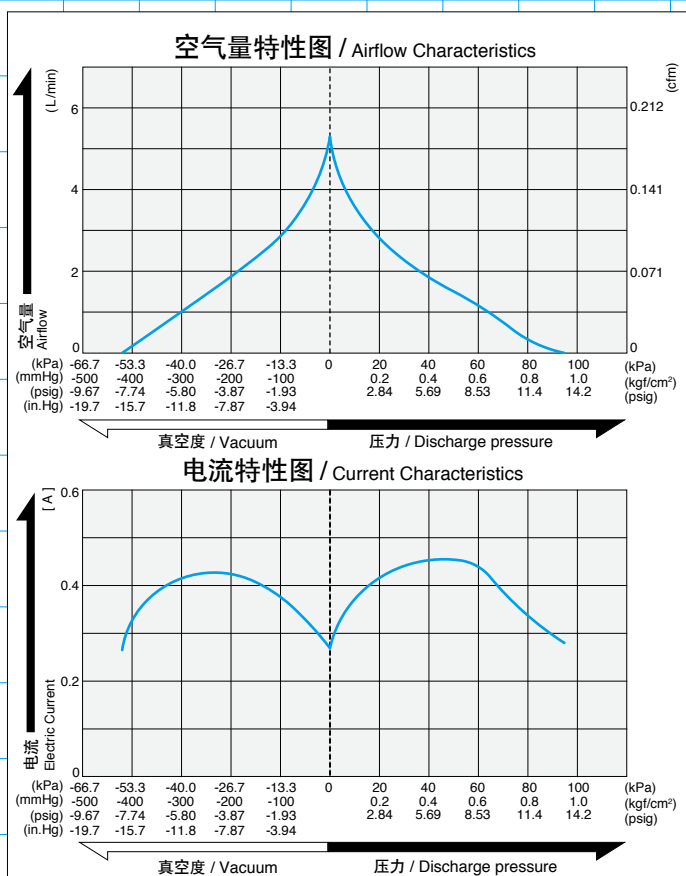


DP0102H-X1 (12 V DC)



空气量和电流 / Airflow & Electric Current

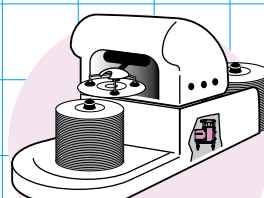
规格 / Specifications



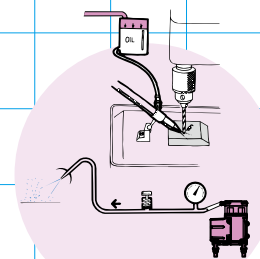
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---|--------------------------|
| 达到真空度 / Attainable Vacuum | -50.7 kPa {-380 mmHg} | -507 mbar | -15 in.Hg |
| 吐出空气量 / Free Air Displacement | 4.0 L/min | | 0.141 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 80 kPa {0.8 kg/cm ² } | 0.8 bar | 11.4 psig |
| 最大电流 / Maximum Current | 0.7 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | -50.7 kPa - 80 kPa {-380 mmHg - 0.8 kg/cm ² } | -507 mbar - 0.8 bar | -15 in.Hg - 11.4 psig |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径)软管接头 / 6 mm O.D. hose barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1- ³ / ₃₂ "(L) x 1- ³ / ₁₆ "(W) | |
| 本体重量 / Gross Weight | 0.25 kg | 0.55 Lbs. | |
| 导线长度 / Leadwire Length | 400 mm | 15- ³ / ₄ " | |

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用途例 / Application Examples

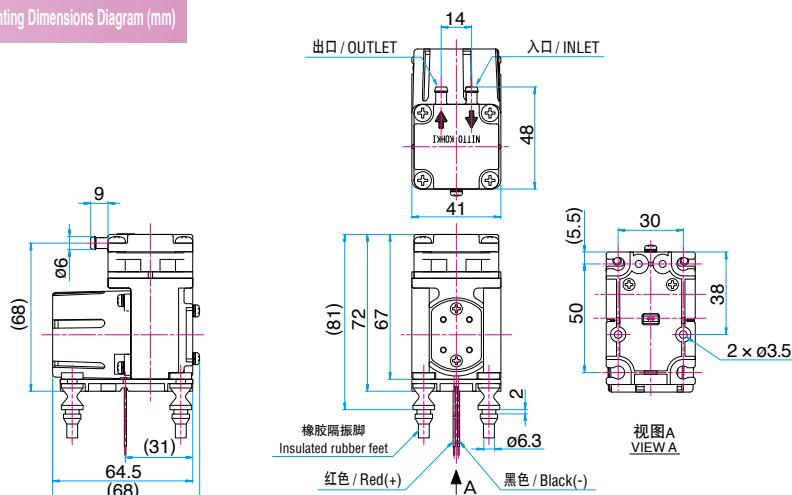


CD、DVD 媒介印刷机 (搬送)
Vacuum pick up and
place devices for CD & DVD



机械加工时的切屑去除
Removal of micromachining chips

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

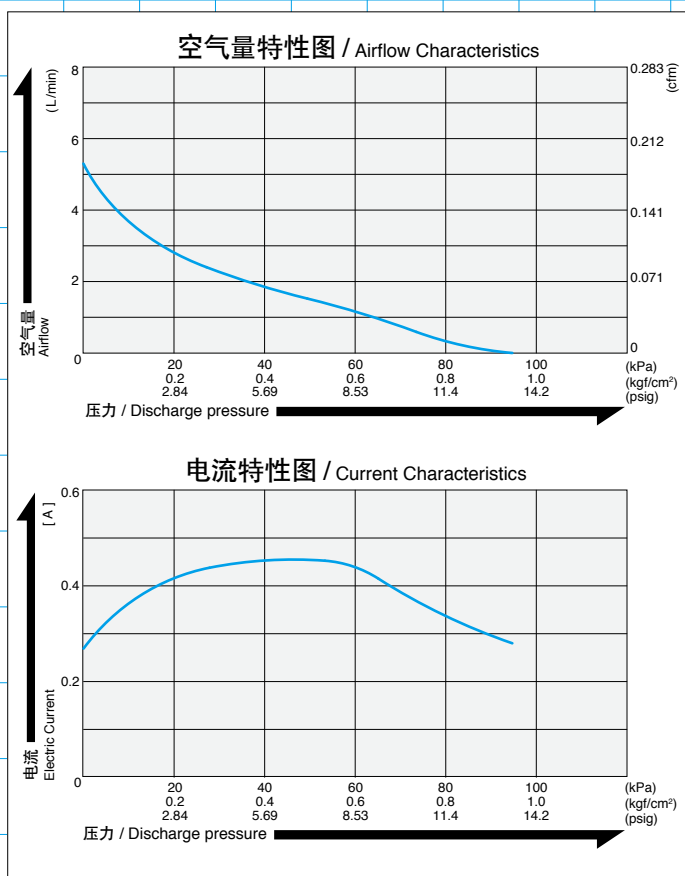
NITTO KOHKI CO., LTD. Rev.02

隔膜泵 / DIAPHRAGM PUMP



DP0102H-X2 (12 V DC)

空气量和电流 / Airflow & Electric Current

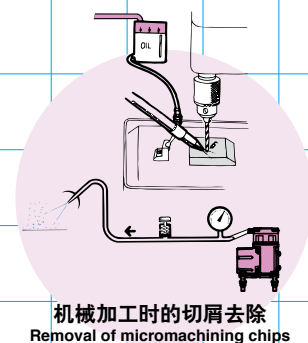


规格 / Specifications

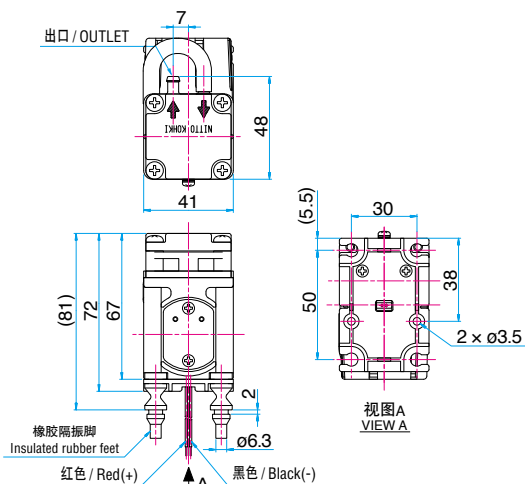
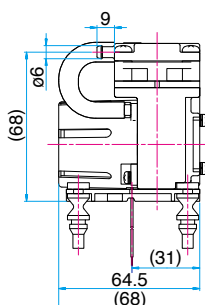
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---------------------------|---------------|
| 吐出空气量 / Free Air Displacement | 4.0 L/min | | 0.141 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 80 kPa {0.8 kg/cm ² } | 0.8 bar | 11.4 psig |
| 最大电流 / Maximum Current | 0.7 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | 0 - 80 kPa {0 - 0.8 kg/cm ² } | 0 - 0.8 bar | 0 - 11.4 psig |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径) 软管接头 / 6 mm O.D. hose barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1-3/32" (L) x 1-3/16" (W) | |
| 本体重量 / Gross Weight | 0.25 kg | 0.55 Lbs. | |
| 导线长度 / Leadwire Length | 400 mm | 15-3/4" | |

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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



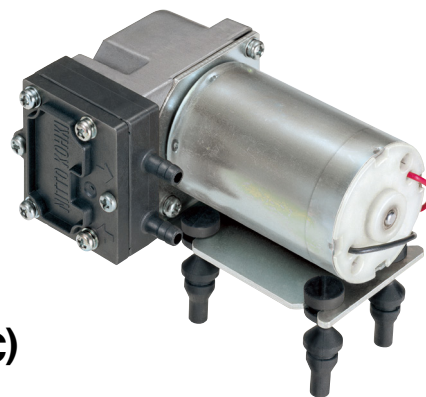
DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

活塞泵 / PISTON PUMP



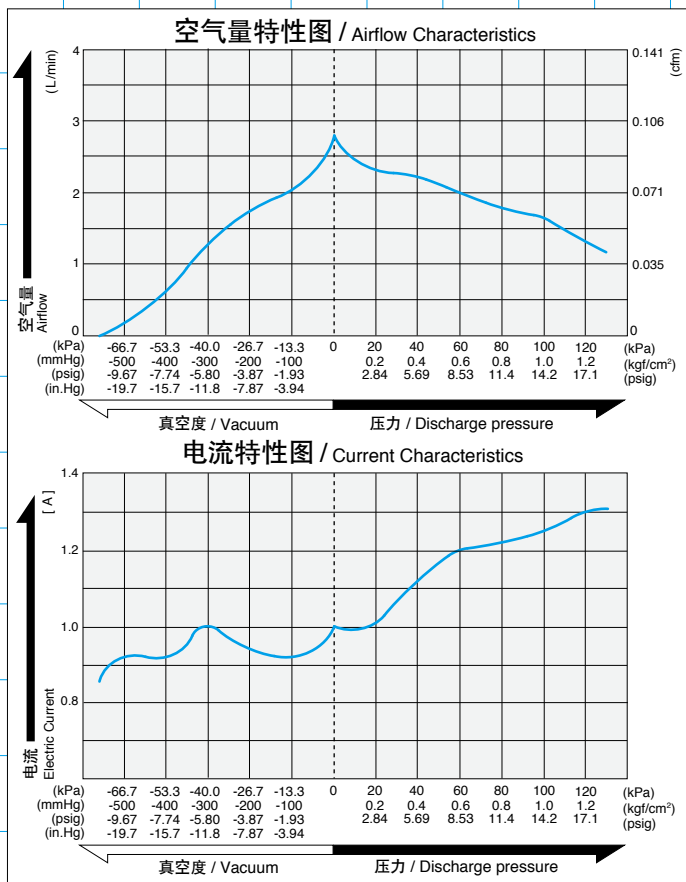
DP0105-X1 (12 V DC)



用户应要求经销商在同一泵上进行压缩和真空的有效运转。Ask your distributor for appropriate operation of both compression and vacuum in the same one pump.

空气量和电流 / Airflow & Electric Current

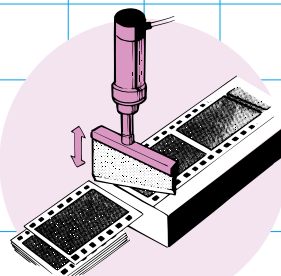
规格 / Specifications



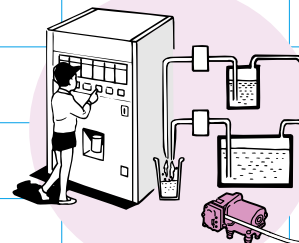
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---|-------------------------|
| 达到真空度 / Attainable Vacuum | -66.6 kPa (-500 mmHg) | -666 mbar | -19.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 2.8 L/min | | |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 250 kPa {2.5 kgf/cm ² } | 2.5 bar | 35.6 psig |
| 最大电流 / Maximum Current | 1.9 A | | |
| 额定时间 / Rated Operating Time | 30 分钟 / 30 minutes | | |
| 使用压力范围 / Working Pressure Range | -66.6 kPa - 100 kPa {-500 mmHg - 1 kgf/cm ² } | -666 mbar - 1 bar | -19.7 in.Hg - 14.2 psig |
| 耐用时间 / Life Expectancy | 1,000 小时 / 1,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5 mm (外径) 直管接头 / 5 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 42 mm(L) x 24.5 mm(W) | 1-2 ³ / ₃₂ "(L) x 1-3 ³ / ₃₂ "(W) | |
| 本体重量 / Gross Weight | 0.36 kg | 0.80 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14-3 ³ / ₁₆ " | |

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用途例 / Application Examples

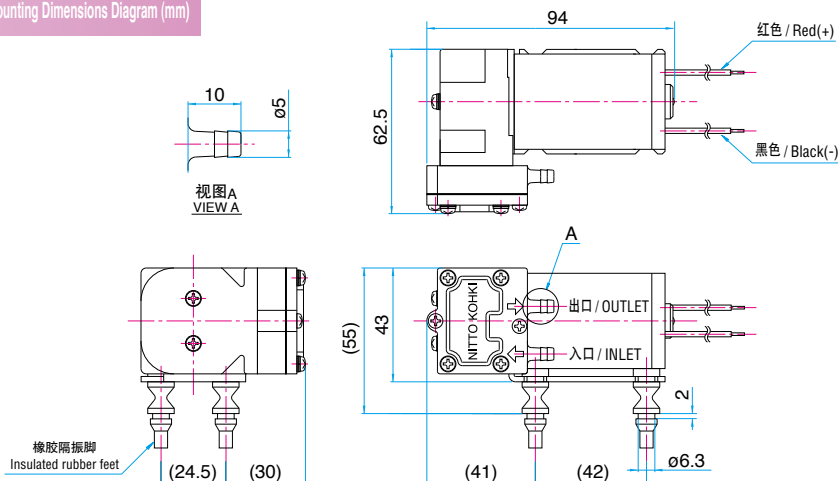


胶片裁切装置
Film Cutter



自动销售机
Vending Machines

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

活塞泵 / PISTON PUMP



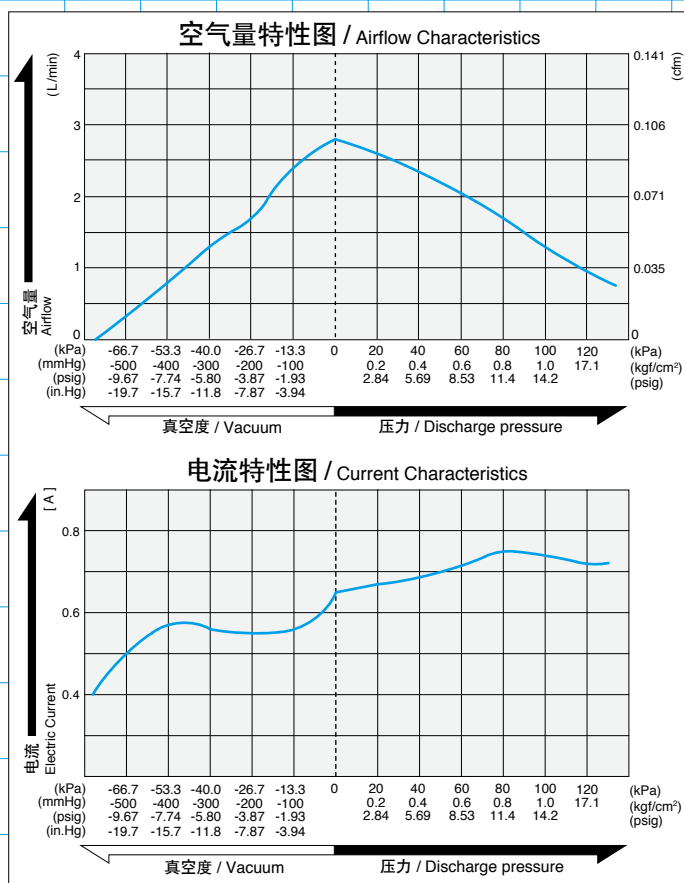
DP0105-Y1 (24 V DC)



用户应要求经销商在同一泵上进行压缩和真空的有效运转。Ask your distributor for appropriate operation of both compression and vacuum in the same one pump.

空气量和电流 / Airflow & Electric Current

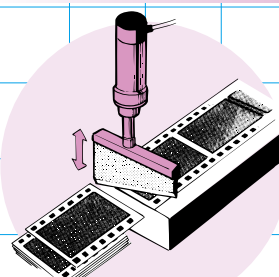
规格 / Specifications



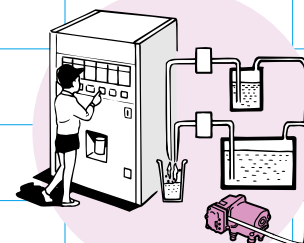
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|--|-----------------------------|----------------------------|
| 达到真空度 / Attainable Vacuum | -66.6 kPa (-500 mmHg) | -666 mbar | -19.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 2.8 L/min | | 0.1 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 250 kPa {2.5 kgf/cm²} | 2.5 bar | 35.6 psig |
| 最大电流 / Maximum Current | 0.95 A | | |
| 额定时间 / Rated Operating Time | 30 分钟 / 30 minutes | | |
| 使用压力范围 / Working Pressure Range | -66.6 kPa - 100 kPa {-500 mmHg - 1 kgf/cm²} | -666 mbar - 1 bar | -19.7 in.Hg - 14.2 psig |
| 耐用时间 / Life Expectancy | 1,000 小时 / 1,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5 mm (外径) 直管接头 / 5 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 42 mm(L) x 24.5 mm(W) | 1-2 1/32" (L) x 1-3/32" (W) | |
| 本体重量 / Gross Weight | 0.36 kg | 0.80 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14-3/16" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

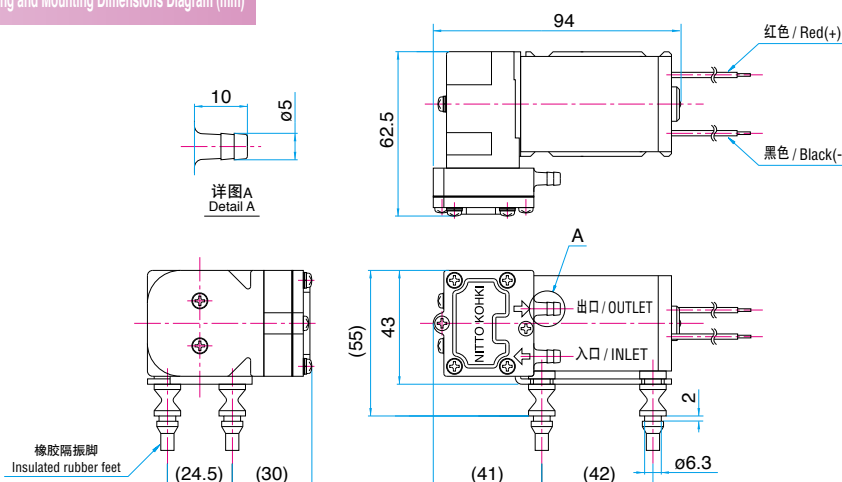


胶片裁切装置
Film Cutter



自动销售机
Vending Machines

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



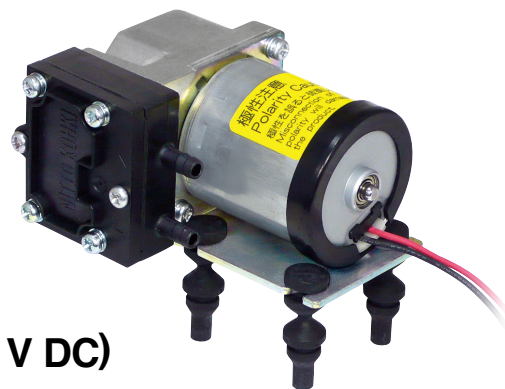
DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

活塞泵 / PISTON PUMP



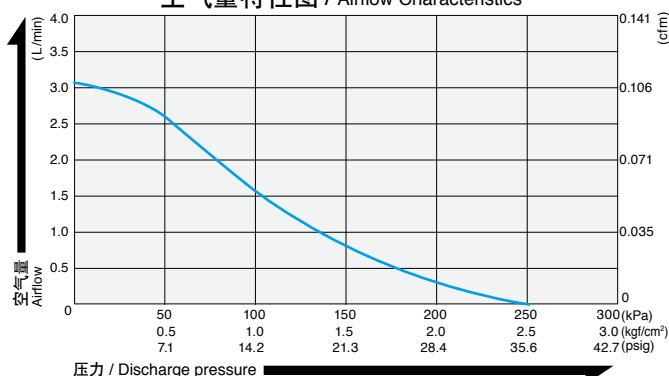
DPA0105-X1 (12 V DC)



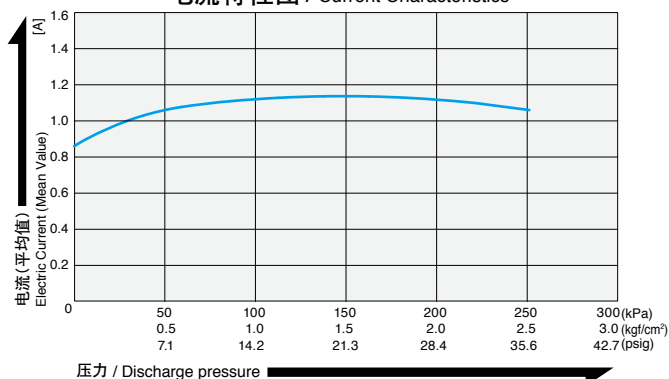
用户应要求经销商在同一泵上进行压缩和真空的有效运转。Ask your distributor for appropriate operation of both compression and vacuum in the same one pump.

空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



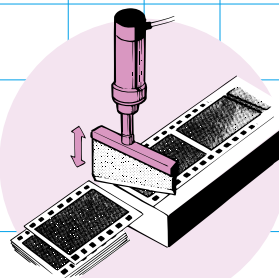
电流特性图 / Current Characteristics



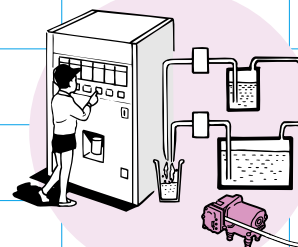
规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|-------------------------------------|--|---------------------------|---------------|
| 吐出空气量 / Free Air Displacement | 2.8 L/min | 12 V DC | 0.1 cfm |
| 额定电压 / Rated Voltage | 220 kPa {2.2 kgf/cm²} | 2.2 bar | 31.3 psig |
| 最高压力 / Maximum Pressure | 1.4 A | | |
| 最大电流 / Maximum Current | 连续 / Continuous | | |
| 额定时间 / Rated Operating Time | 0 - 100 kPa {0 - 1 kgf/cm²} | 0 - 1 bar | 0 - 14.2 psig |
| 使用压力范围 / Working Pressure Range | 5,000 小时 / 5,000 hours | | |
| 耐用时间(MTTF) / Life Expectancy (MTTF) | φ5 mm (外径) 直管接头 / 5 mm O.D. straight barb | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 线圈绝缘等级 / Coil Insulation Class | 50 mm (L) x 30 mm (W) | 1-3/32" (L) x 1-3/16" (W) | |
| 安装尺寸 / Mounting Dimensions | 0.3 kg | 0.66 Lbs. | |
| 本体重量 / Gross Weight | 360 mm | 14-3/16" | |
| 导线长度 / Leadwire Length | 请务必阅读“产品目录使用指南”，确保正确使用。 Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps. | | |

用途例 / Application Examples

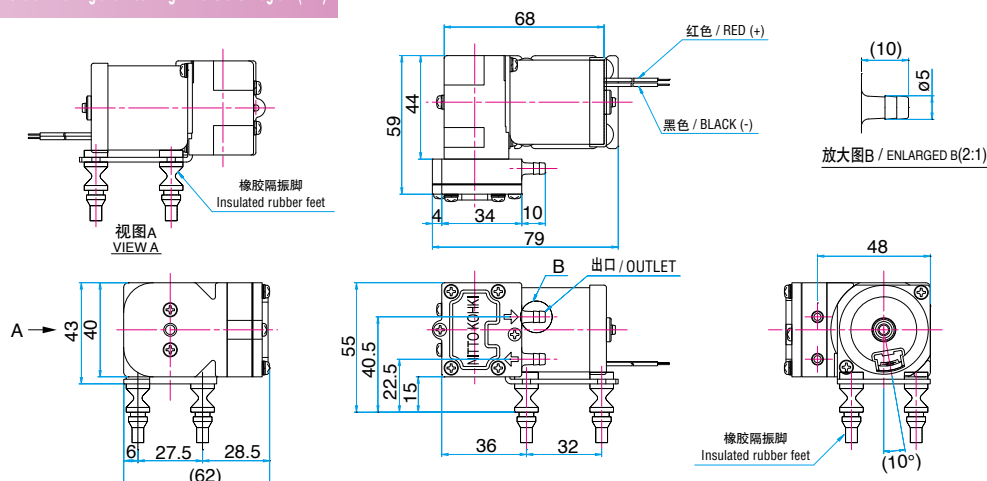


胶片裁切装置
Film Cutter



自动销售机
Vending Machines

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



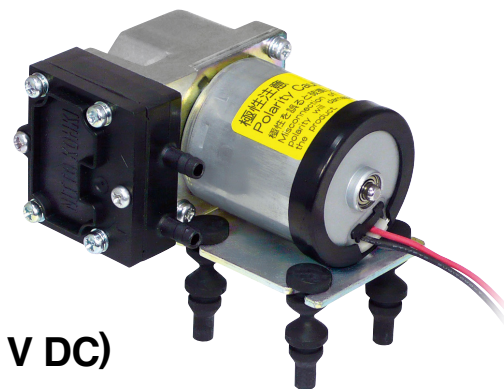
DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.01

活塞泵 / PISTON PUMP



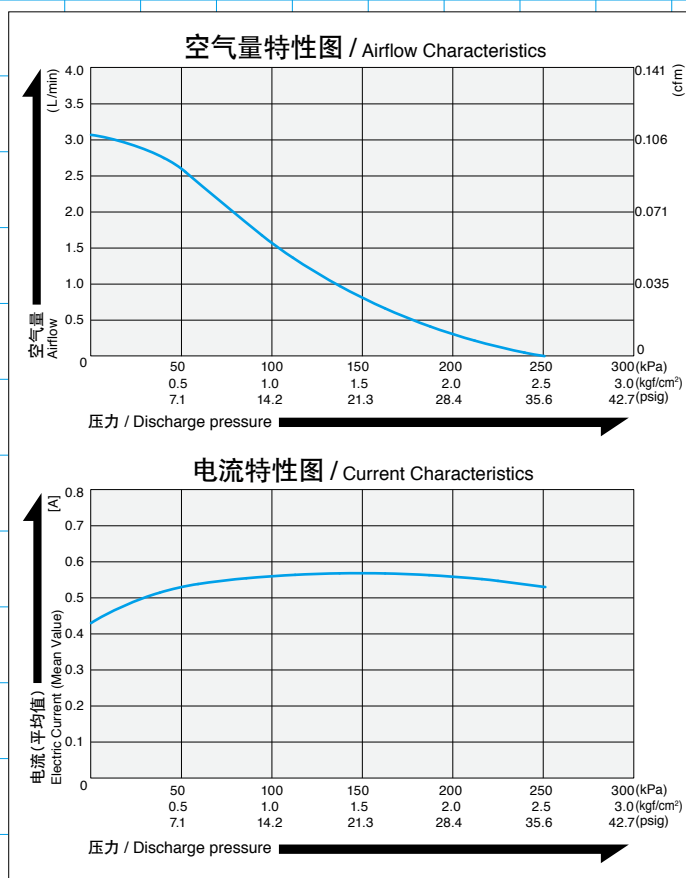
DPA0105-Y1 (24 V DC)



用户应要求经销商在同一泵上进行压缩和真空的有效运转。Ask your distributor for appropriate operation of both compression and vacuum in the same one pump.

空气量和电流 / Airflow & Electric Current

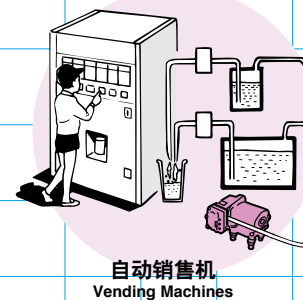
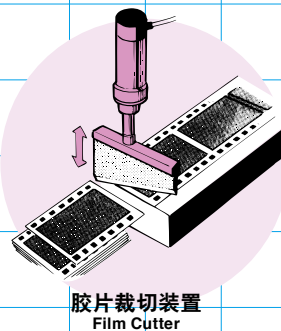
规格 / Specifications



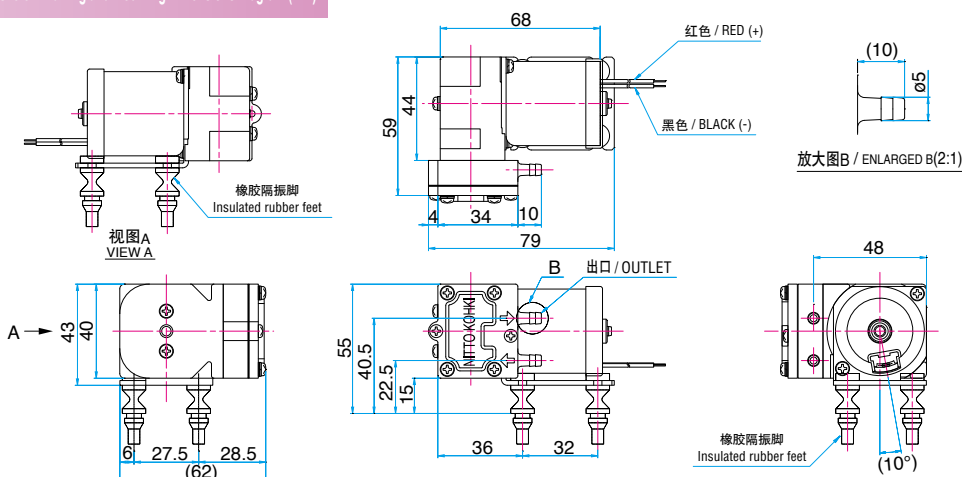
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---------------------------|---------------|
| 吐出空气量 / Free Air Displacement | 2.8 L/min | | 0.1 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 220 kPa {2.2 kgf/cm ² } | 2.2 bar | 31.3 psig |
| 最大电流 / Maximum Current | 0.7 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | 0 - 100 kPa {0 - 1 kgf/cm ² } | 0 - 1 bar | 0 - 14.2 psig |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5 mm (外径) 直管接头 / 5 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1-3/32" (L) x 1-3/16" (W) | |
| 本体重量 / Gross Weight | 0.3 kg | 0.66 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14-3/16" | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

隔膜泵 / DIAPHRAGM PUMP

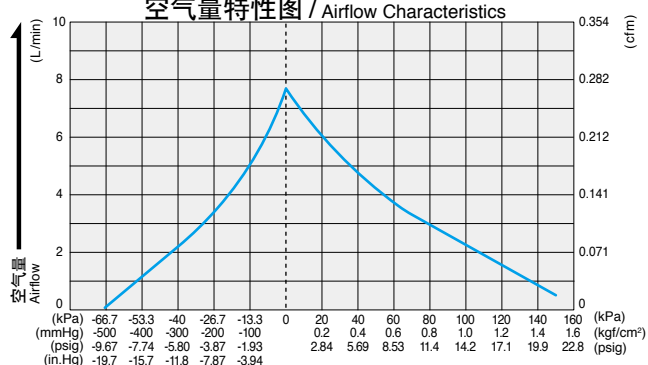


DP0110-X1 (12 V DC)

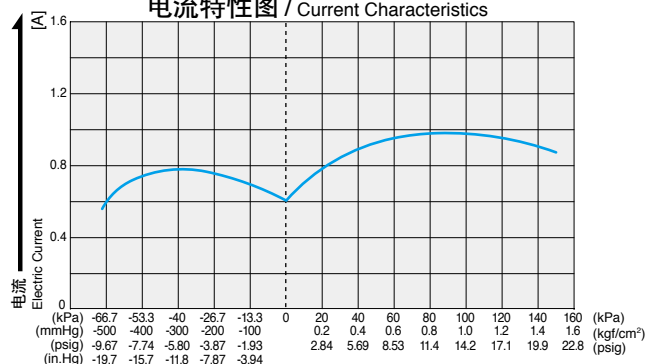


空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics

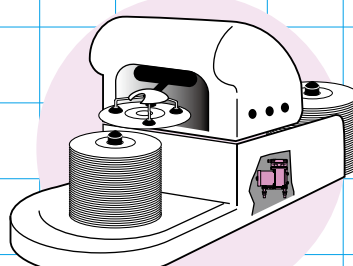


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---|-------------|
| 吐出空气量 / Free Air Displacement | 7.5 L/min | | 0.26 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 最大电流 / Maximum Current | 1.2 A以下 / 1.2 A or less | | |
| 达到真空度 / Attainable Vacuum | -66.6 kPa (-500mmHg) | -666 mbar | -19.7 in.Hg |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入和吐出口尺寸 / Inlet and Outlet | φ6 mm(外径)直管接头 / 6 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1- ³ / ₃₂ "(L) x 1- ³ / ₁₆ "(W) | |
| 本体重量 / Gross Weight | 0.30 kg | 0.66 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14- ³ / ₁₆ " | |

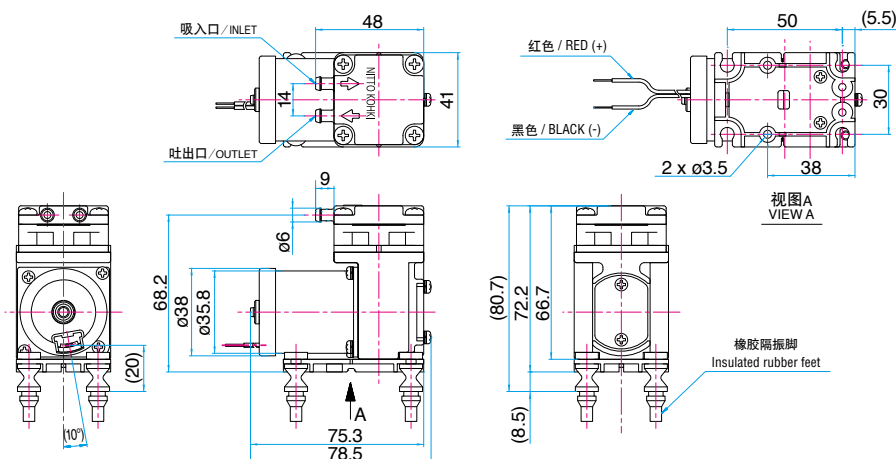
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



CD、DVD媒介印刷机 (搬送)
Vacuum pick up and
place devices for CD & DVD

外形及安装尺寸图 (mm) / Sketch Drawing of Mounting Dimensions Diagram (mm)



DC AIR PUMP

隔膜泵 / DIAPHRAGM PUMP



压缩泵

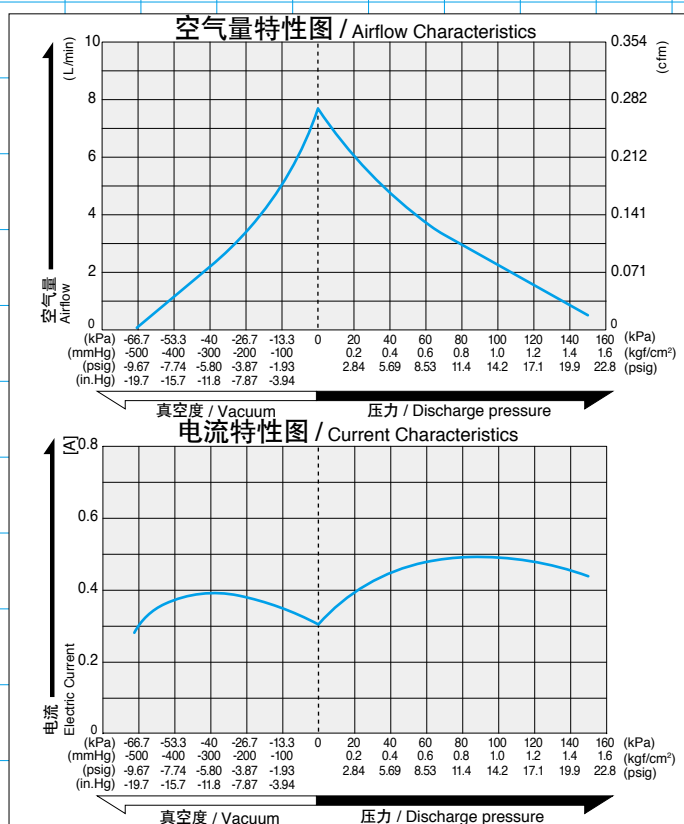


真空泵

DP0110-Y1 (24 V DC)



空气量和电流 / Airflow & Electric Current



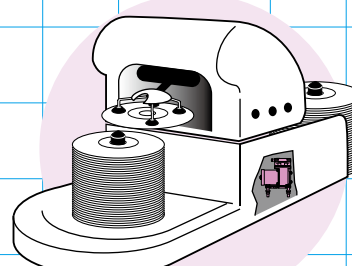
规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---|-------------|
| 吐出空气量 / Free Air Displacement | 7.5 L/min | | 0.26 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 最大电流 / Maximum Current | 0.6 A 以下 / 0.6 A or less | | |
| 达到真空度 / Attainable Vacuum | -66.6 kPa (-500 mmHg) | -666 mbar | -19.7 in.Hg |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径) 直管接头 / 6 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm(L) x 30 mm(W) | 1- ³ / ₃₂ "(L) x 1- ³ / ₁₆ "(W) | |
| 本体重量 / Gross Weight | 0.30 kg | 0.66 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14- ³ / ₁₆ " | |

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Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

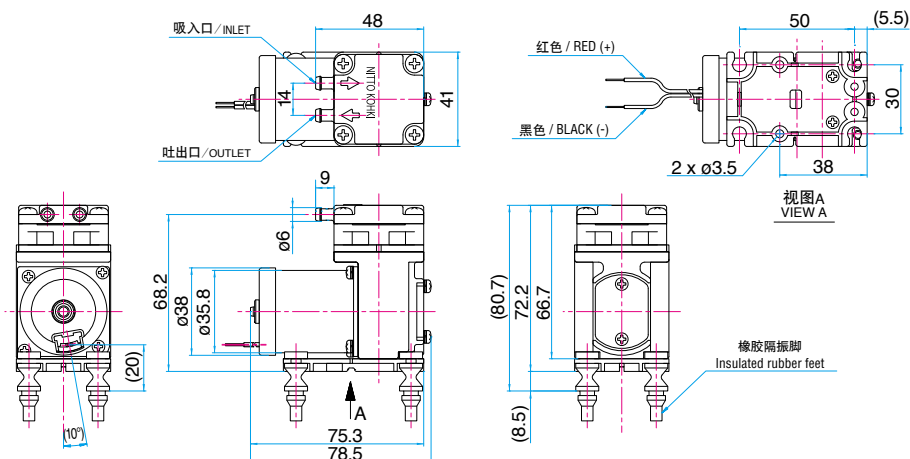
用途例 / Application Examples



CD、DVD 媒介印刷机 (搬送)

Vacuum pick up and place devices for CD & DVD

外形及安装尺寸图 (mm) / Sketch Drawing Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.02

隔膜泵 / DIAPHRAGM PUMP

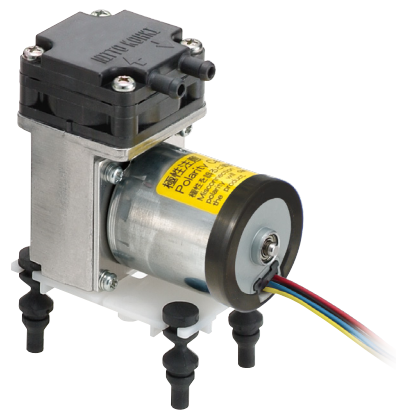


压缩泵



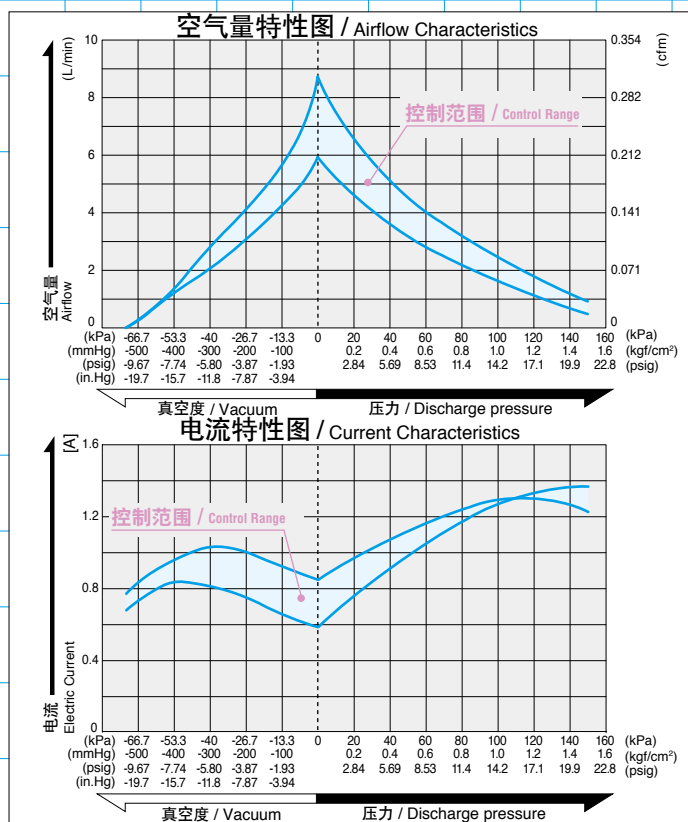
真空泵

DP0110 PWM



空气量和电流 / Airflow & Electric Current

规格 / Specifications



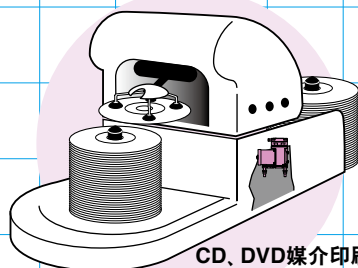
| | (SI) | (EURO) | (U.S.A.) |
|------------------------------------|---|---|-------------|
| 达到真空度 / Attainable Vacuum | -66.6 kPa (-500 mmHg) | -666 mbar | -19.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 7.5 L/min | | |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 最大电流 / Maximum Current | 1.4 A以下 / 1.4 A or less | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 控制方式 ^{※1} / Control (PWM) | 2.5 ~ 5 V, 15 ~ 25 kHz, 占空比80 ~ 100% / 2.5~5 V, 15~25 kHz, Duty cycle 80~100% | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6 mm (外径) 直管接头 / 6 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 50 mm (L) x 30 mm (W) | 1- ³ / ₃₂ " (L) x 1- ³ / ₁₆ " (W) | |
| 本体重量 / Gross Weight | 0.30 kg | 0.66 Lbs. | |
| 导线长度 / Leadwire Length | 180 mm | 7" | |

※1: PWM= 脉冲宽度调制。 / PWM= Pulse Width Modulation.

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用途例 / Application Examples



CD、DVD媒介印刷机 (搬送)
Vacuum pick up and place devices for CD & DVD

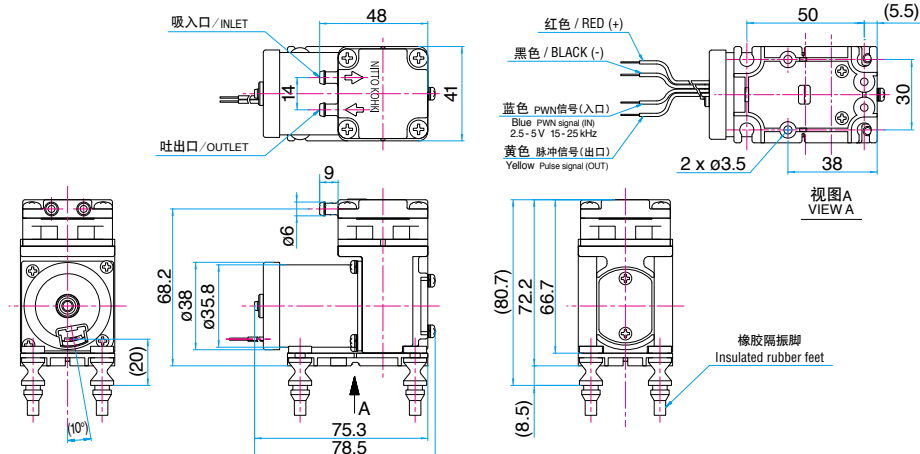
外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)

橡胶脚安装尺寸:

板厚: t=2mm,
孔径: φ6±0.1mm
(橡胶脚为产品附件)

Mounting Dimension of Rubber Foot:

Plate thickness: t=2mm,
Hole diameter: φ6±0.1mm
(Rubber feet come with the product as accessories.)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.01

隔膜泵 / DIAPHRAGM PUMP



压缩泵

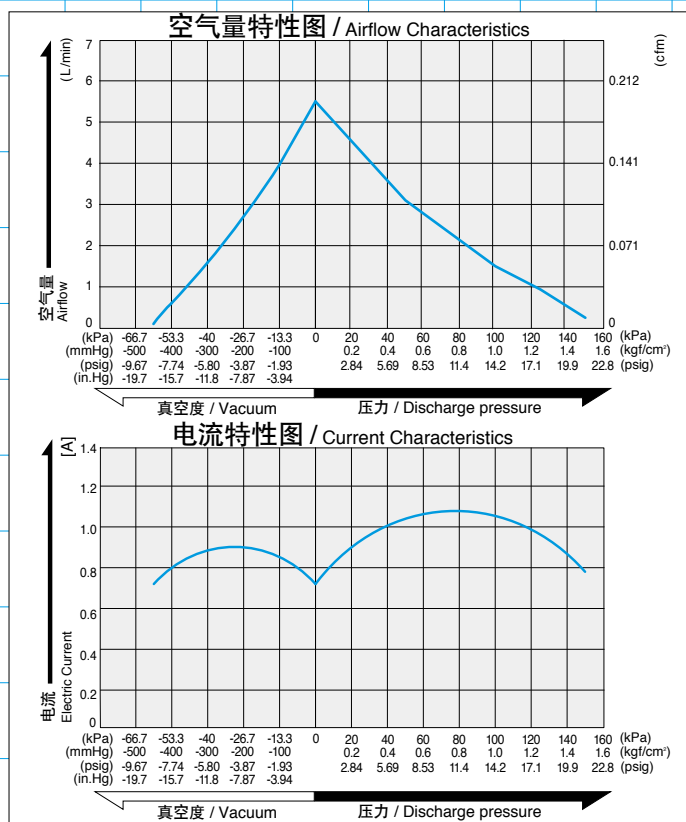


真空泵



DP0110T-X1 (12 V DC)

空气量和电流 / Airflow & Electric Current

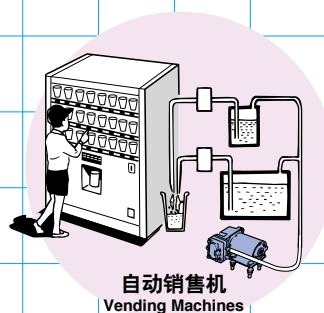


规格 / Specifications

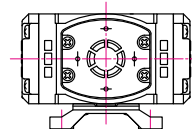
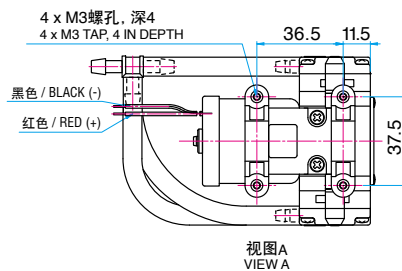
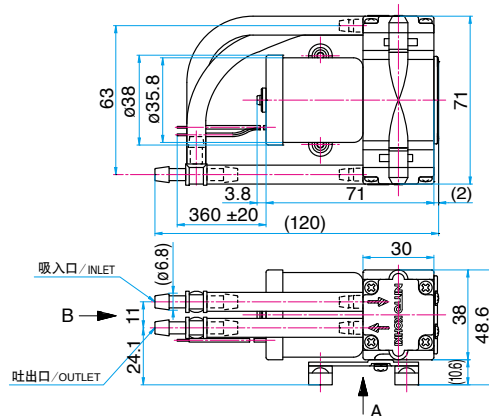
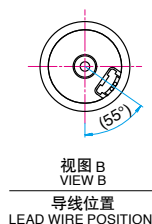
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|---|-------------|
| 达到真空度 / Attainable Vacuum | -60.0 kPa (-450 mmHg) | -600 mbar | -17.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 5.5 L/min | | 0.26 cfm |
| 额定电压 / Rated Voltage | 12 V DC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 最大电流 / Maximum Current | 1.2 A以下 / 1.2 A or less | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入和吐出口尺寸 / Inlet and Outlet | φ6.8 mm (外径) 直管接头 / 6.8 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 36.5 mm(L) x 37.5 mm(W) | 1- ³ / ₈ "(L) x 1- ¹ / ₂ "(W) | |
| 本体重量 / Gross Weight | 0.27 kg | 0.60 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14- ³ / ₁₆ " | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



DC AIR PUMP

NITTO KOHKI CO., LTD. Rev.01

隔膜泵 / DIAPHRAGM PUMP



压缩泵



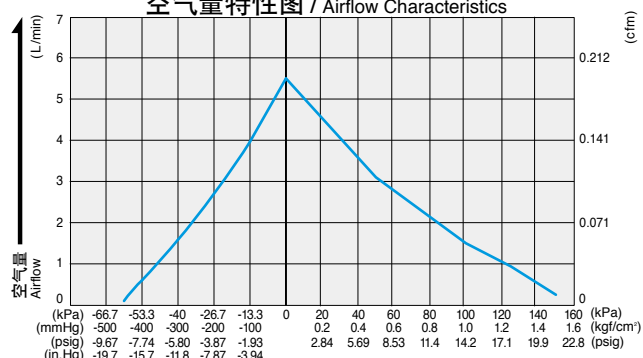
真空泵



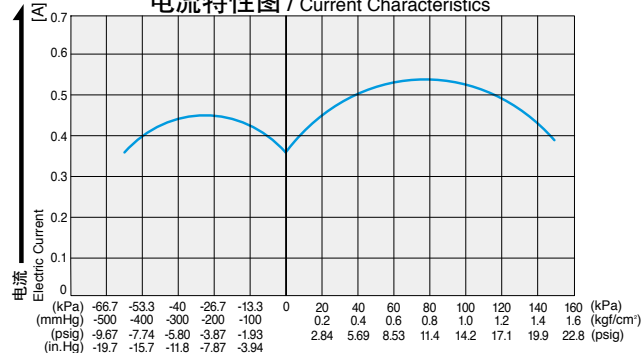
DP0110T-Y1

空气量和电流 / Airflow & Electric Current

空气量特性图 / Airflow Characteristics



电流特性图 / Current Characteristics

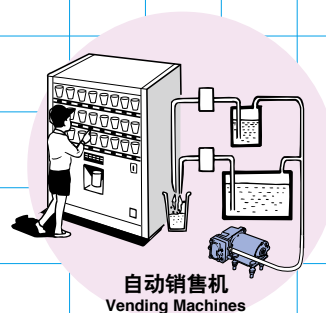


规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|-------------------------|-------------|
| 达到真空度 / Attainable Vacuum | -60.0 kPa (-450 mmHg) | -600 mbar | -17.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 5.5 L/min | | 0.26 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 最高压力 / Maximum Pressure | 150 kPa {1.5 kgf/cm ² } | 1.5 bar | 21.3 psig |
| 最大电流 / Maximum Current | 0.6 A以下 / 0.6 A or less | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ6.8 mm (外径) 直管接头 / 6.8 mm O.D. straight barb | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于A类 (JETL) / A or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 36.5 mm(L) x 37.5 mm(W) | 1-3/8" (L) x 1-1/2" (W) | |
| 本体重量 / Gross Weight | 0.27 kg | 0.60 Lbs. | |
| 导线长度 / Leadwire Length | 360 mm | 14-3/16" | |

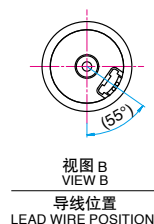
请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

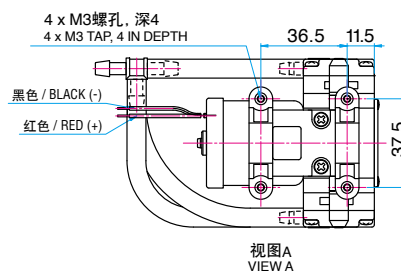
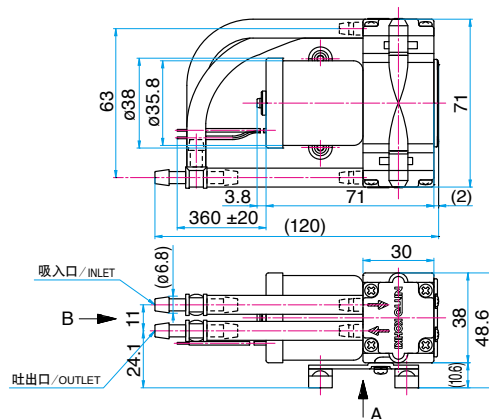


自动销售机
Vending Machines

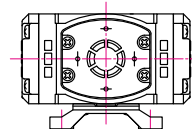
外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图 B
VIEW B
导线位置
LEAD WIRE POSITION



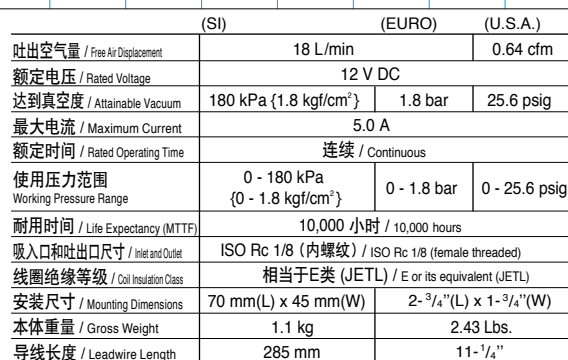
视图 A
VIEW A





DP0410-x2 (12 V DC)

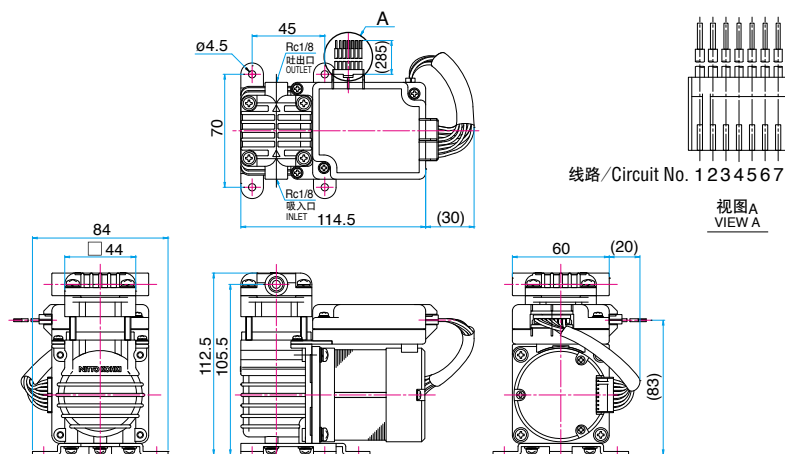
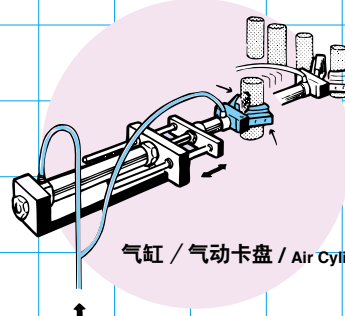
规格 / Specifications



请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps

用途例 / Application Examples



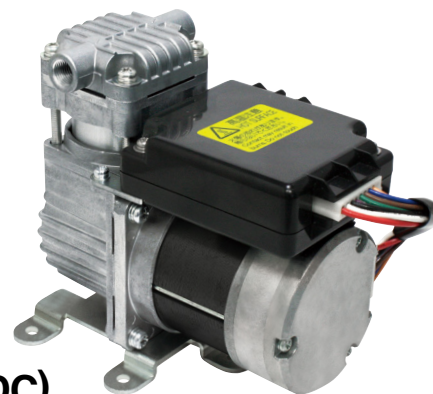
| | 电源 / Power Source | | 控制信号 / Control Signal | | | | | | | |
|-------------------|--------------------|------------|-------------------------|-------------|-------------|-------------|-------------|--|--|--|
| 线路No./Circuit No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | |
| 线色 / Cord Color | 红色 / Red | 黑色 / Black | 褐色 / Brown | 橙色 / Orange | 黄色 / Yellow | 绿色 / Green | 灰色 / Gray | | | |
| 机能 / Function | V+ | V- | 驱动 / 免费 DRIVE / FREE | 脉冲 PULSE | 报警 ALARM | 速度 SPEED | 报警 SQUAD | | | |
| 选项 Option | 无控制 / Function Off | ON | | OFF | | | | | | |
| 有控制 / Function On | | ON | | ON | | | | | | |
| 线尺寸 / Cord Size | AWG20 | | AWG22 | | | | | | | |
| 线路类型 / Line Type | UL1007 | | | | | | | | | |

※ 控制功能默认情况下是“关”。/Control function is “OFF” by default.

DC AIR PUMP

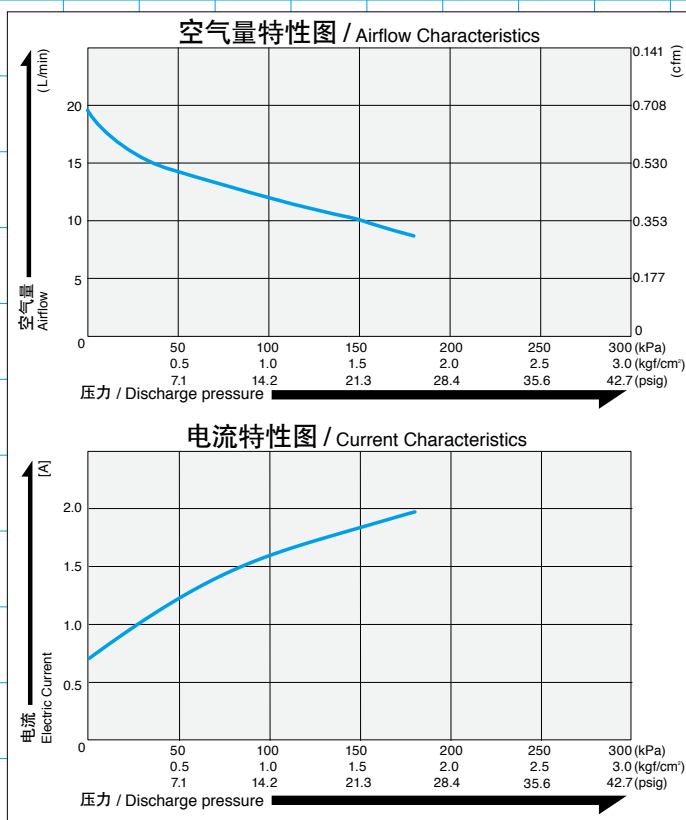
NITTO KOHKI CO., LTD. Rev.01

柱塞泵 / PISTON PUMP



DP0410-Y2 (24 V DC)

空气量和电流 / Airflow & Electric Current

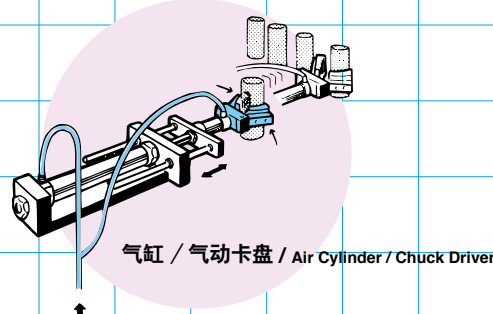


规格 / Specifications

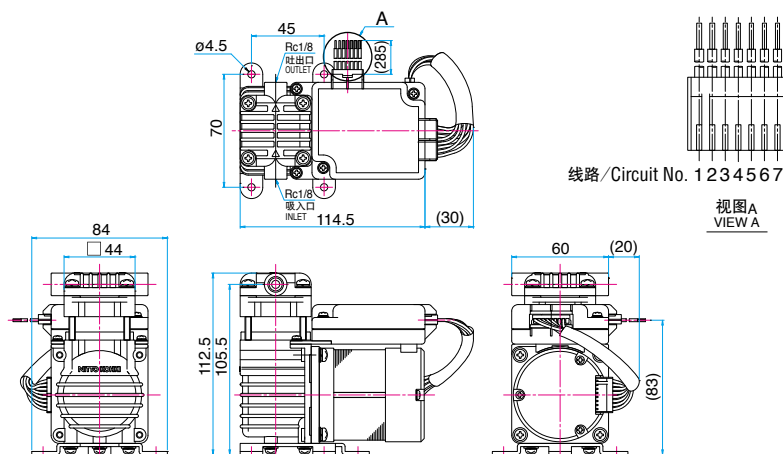
| | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|---|---------------|
| 吐出空气量 / Free Air Displacement | 18 L/min | | 0.64 cfm |
| 额定电压 / Rated Voltage | 24 V DC | | |
| 达到真空度 / Attainable Vacuum | 180 kPa {1.8 kgf/cm ² } | 1.8 bar | 25.6 psig |
| 最大电流 / Maximum Current | 2.7 A | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 使用压力范围 / Working Pressure Range | 0 - 180 kPa {0 - 1.8 kgf/cm ² } | 0 - 1.8 bar | 0 - 25.6 psig |
| 耐用时间 / Life Expectancy (MTTF) | 10,000 小时 / 10,000 hours | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | ISO Rc 1/8 (内螺纹) / ISO Rc 1/8 (female threaded) | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 70 mm(L) x 45 mm(W) | 2- ³ / ₄ "(L) x 1- ³ / ₄ "(W) | |
| 本体重量 / Gross Weight | 1.1 kg | 2.43 Lbs. | |
| 导线长度 / Leadwire Length | 285 mm | 11- ¹ / ₄ " | |

请务必阅读“产品目录使用指南”，确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



【 Connection Table 】

| | 电源 / Power Source | | 控制信号 / Control Signal | | | | |
|-------------------|--------------------|------------|-------------------------|-------------|-------------|-------------|-------------|
| 线路No./Circuit No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 线色 / Cord Color | 红色 / Red | 黑色 / Black | 褐色 / Brown | 橙色 / Orange | 黄色 / Yellow | 绿色 / Green | 灰色 / Gray |
| 机能 / Function | V+ | V- | 驱动 / 免费 DRIVE / FREE | 脉冲 PULSE | 报警 ALARM | 速度 SPEED | 报警 SOUND |
| 选项 Option | 无控制 / Function Off | ON | | OFF | | | |
| | 有控制 / Function On | ON | | ON | | | |
| 线尺寸 / Cord Size | AWG20 | | | AWG22 | | | |
| 线路类型 / Line Type | UL1007 | | | | | | |

※ 控制功能默认情况下是“关”。/ Control function is "OFF" by default.

液体压电泵

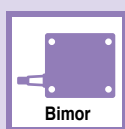
LIQUID

PIEZOELECTRIC PUMP

BPS type
BPH type
BPF type
P87-90



液体泵



Bimor

小型隔膜泵

LIQUID

MINIATURE DIAPHRAGM PUMP

DPE-100
P92

DPE-400
P93

DPE-400BL
P94

DPE-800
P95



液体泵

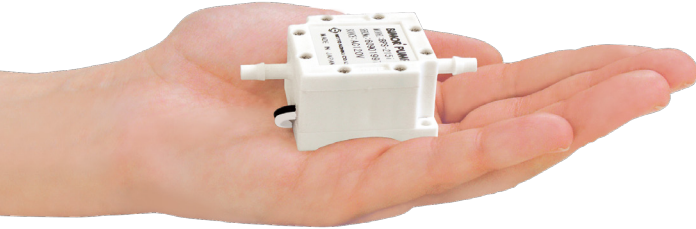


液体泵



压电泵 / PIEZOELECTRIC PUMP

BIMOR PUMP



液体和气体均可抽吸!

Suitable for pumping both liquids and gases!

小型、轻量、长寿命、低噪音

由于压电双晶片也起到隔膜的作用, 无马达、旋转轴和其他复杂机构, 因此振动小、故障少。BIMOR®泵比传统泵重量更轻、噪音更低、寿命更长。

已实现60个月免维护连续运转。

Compact, lightweight, durable & quiet

As the Bimorph also acts as a diaphragm it has no motors or shafts or other troublesome mechanisms, and thus minimal vibrations and fewer breakdowns. The Bimor is lighter, quieter and more durable than traditional pumps.

We have achieved maintenance free continuous operation for 60 months.

| 规格 / Specifications | 外形尺寸 / Dimensions | 额定电压 / Voltage(AC) — 120V 60Hz | | | | |
|---------------------|-------------------|--------------------------------|---------------------|-----------------------------------|------------------------|---------------------------------|
| | | 型号 / Model | 消耗电流 / Current (mA) | 自吸力 / Self-priming Pressure (kPa) | 流量 / FlowRate (mL/min) | 吐出压力 / Discharge Pressure (kPa) |
| BPS type | | BPS-215i | 3 | 3 | 30 | 15 |
| | | BPS-235G | 1.5 | 1.5 | 1.5 | 1.5 |
| BPH type | | BPH-214i | 15 | 8 | 350 | 18 |
| | | BPH-214D | 15 | 8 | 350 | 18 |
| | | BPH-214E | 15 | 8 | 350 | 18 |
| | | BPH-214G | 15 | 7 | 17 | 17 |
| | | BPH-414i | 30 | 12 | 500 | 35 |
| | | BPH-414D | 30 | 12 | 500 | 35 |
| | | BPH-414E | 30 | 12 | 500 | 35 |
| | | BPH-414G | 30 | 10 | 450 | 32 |
| BPF type | | BPH-474G | 30 | 10 | 400 | 35 |
| | | BPH-474P | 30 | 10 | 400 | 35 |
| BPF type | | BPF-465P | 30 | 10 | 400 | 35 |
| | | BPF-465P | 30 | 10 | 400 | 35 |

性能数据是在额定条件下测得的。

- 1) 参考数据是使用25℃的水在空载条件下测得的。
- 2) 使用环境温度范围为 5 - 50 ℃, 环境液体温度范围为 5 - 50 ℃(不可冻结), 使用环境湿度范围为 35 - 85% (不可凝结)。若液体温度过低, 止回阀会发生硬化。从而会导致流量降低。上述条件适用于高粘度的液体。受所用液体或气体影响的材料包括泵壳、接液板、止回阀、O形环等。请确认它们是否适合所有使用条件。某些液体中的微量添加剂和复合材料可能在几个月后会对泵产生影响。
- 3) 可在低电压下使用本产品, 但这会导致出口压力变低。
- 4) 若泵在实际应用中的配管或安装位置受限, 其性能可能会有所损失。
- 5) 以上性能数据是在所述的额定条件下测得的。

The performance data is measured at the rated conditions.

- 1) The reference data is based on water at 25 degrees Celsius with unloaded condition.
- 2) The ambient operating temperature range is from 5 to 50 degrees Celsius, the ambient liquid temperature range is from 5 to 50 degrees Celsius (non-freezing), and the ambient operating humidity range is from 35 to 85% (non-condensing). When the liquid temperature is low, the valve will be hardened. As a result, the flow rate will be decreased. This could be applied for liquids with high viscosity. The materials that will be under influence of the applied liquids or gases are the housing, liquid contact sheets, valves, and O-rings. Please confirm the suitability under any applied conditions. Any minute quantities of additives and composite materials found in certain liquids may influence the performance of the unit several months later.
- 3) You may use the product at low voltage, but it will result in lower outlet pressure.
- 4) Performance may be compromised by restrictive tubing/piping or mounting position of the pump in the application.
- 5) The above performance data is measured at the rated condition as we described.

注: BIMOR®泵在任何用途中均不具备防爆结构。为确保安全, 请在配线时安装隔离变压器或类似的保护装置。

Note: The Bimor does not fulfill explosion-proof construction in any applications. Please install isolating transformers or similar protective devices on the wiring for your safety.

低消耗功率、低电磁噪声

BIMOR®泵由低耗能压电元件驱动。因此，运行成本低，几乎不会产生电磁噪声。

流量调节方便

BIMOR®泵的流量与电压和频率成正比。因此调节流量与调节电压和频率一样方便。可在额定电压或更低的情况下使用本产品。

用途广泛

零部件可用几种材料制成，因此无论是用于液体还是气体，均可选择最适合要求的材料。目前BIMOR®泵已广泛应用于医药、科研、计算机和化工等多种领域。

下表中的“适用介质”仅供参考。请确认它们是否适合所有使用条件。

Low power consumption & electromagnetic noise

The Bimor is driven by low energy consuming piezoelectric elements. Consequently it costs very little to run and emits virtually no electromagnetic noise.

Simple flow rate adjustment

As the flow rate of the Bimor is proportional to the voltage and frequency, adjusting the flow rate is as simple as adjusting either one. You may use the product at the rated voltage or lower.

Application versatility

The parts can be made of several different materials, so you can select the material appropriate to your needs, be it a liquid or gas application. The Bimor is currently employed in a variety of different fields including medicine, scientific research, and the PC and chemical industries.

The following "Examples of suitable chemical liquids and gases" should be used for reference only. Please confirm the suitability under any applied conditions by yourself.

用途例 / Applications



- 供排 / For supply and drainage
- 冷却循环 / For cooling circulation
- 医用灌注 / For medical injection
- 取样 / For sampling



- 压力膨胀 / For pressure expansion
- 取样(吸气) / For sampling (inhale)

| | 额定电压 / Voltage(AC) — 230V 50Hz | | | | 接液材料 / Liquid Surface Materials | | | 重量 Mass (g) | 适用介质 / Examples of suitable chemical liquids and gases | 不适用介质 / Examples of unsuitable chemical liquids and gases | |
|--|--------------------------------|------------------------|--------------------------------------|---|---|--|--|---|---|--|---|
| | 型号 / Model | 消耗电流 / Current (mA) | 自吸力 / Self-priming Pressure (kPa) | 流量 / FlowRate (mL/min) | 吐出压力 / Discharge Pressure (kPa) | 泵壳 / Housing | 接液板 / Liquid Contact Sheet | | | | 止回阀 / O形环 Valve/O-ring |
| | BPS-215i | 4 | 0.4 | 10 | 10 | PP | PP | IIR | 40 | 乙醇、盐酸、碳酸钠、苯甲醛、甲醛水 Ethanol, Dilute hydrochloric acid, Sodium carbonate, Benzaldehyde, Formalin | 二甲苯、矿物油、四氯化碳、三氯乙烯、甲苯、苯 Xylene, Mineral oil, Carbon tetrachloride, Trichloroethylene, Toluene, Benzene |
| | BPS-235G | | | | | POM | PTFE | FKM | | 乙醇、二甲苯、硅油、煤油、甲苯、苯 Ethanol, Xylene, Silicone oil, Kerosene, Toluene, Benzene | 氨水、盐酸、过氧化氢、次氯酸钠、硝酸、硫酸 Ammonia water, Hydrochloric acid, Hydrogen peroxide, Sodium hypochlorite, Nitric acid, Sulfuric acid |
| | BPH-214i | 15 | 7 | 220 | 18 | PP | PP | IIR | 140 | 乙醇、盐酸、碳酸钠、苯甲醛、甲醛水 Ethanol, Dilute hydrochloric acid, Sodium carbonate, Benzaldehyde, Formalin | 二甲苯、矿物油、四氯化碳、三氯乙烯、甲苯、苯 Xylene, Mineral oil, Carbon tetrachloride, Trichloroethylene, Toluene, Benzene |
| | BPH-214D | | | | | | | VMQ | | 氨水、乙醇、稀过氧化氢、次氯酸钠、甲醇 Ammonia water, Ethanol, Dilute hydrogen peroxide, Sodium hypochlorite, Methanol | 苛性苏打、四氯化碳、硅油、三氯乙烯、甲苯、苯 Caustic soda, Carbon tetrachloride, Silicone oil, Trichloroethylene, Toluene, Benzene |
| | BPH-214E | | | | | | | EPDM | | 氨水、乙醇、盐酸、苛性钾、苛性苏打、甲醇 Ammonia water, Ethanol, Hydrochloric acid, Caustic potash, Caustic soda, Methanol | 二甲苯、矿物油、四氯化碳、三氯乙烯、甲苯、苯 Xylene, Mineral oil, Carbon tetrachloride, Trichloroethylene, Toluene, Benzene |
| | BPH-214G | | | PTFE | FKM | | 乙醇、稀过氧化氢、矿物油、甲醇 Ethanol, Dilute hydrogen peroxide, Mineral oil, Sodium hypochlorite | 丙酮、氨水、冰醋酸、氢氟酸、甲醛水 Acetone, Ammonia water, Glacial acetic acid, Hydrofluoric acid, Formalin | | | |
| | | PP | IIR | | 乙醇、盐酸、碳酸钠、苯甲醛、甲醛水 Ethanol, Hydrochloric acid, Sodium carbonate, Benzaldehyde, Formalin | 二甲苯、矿物油、四氯化碳、三氯乙烯、甲苯、苯 Xylene, Mineral oil, Carbon tetrachloride, Trichloroethylene, Toluene, Benzene | | | | | |
| | | | VMQ | 氨水、乙醇、稀过氧化氢、次氯酸钠、甲醇 Ammonia water, Ethanol, Dilute hydrogen peroxide, Sodium hypochlorite, Methanol | 苛性苏打、四氯化碳、硅油、三氯乙烯、甲苯、苯 Caustic soda, Carbon tetrachloride, Silicone oil, Trichloroethylene, Toluene, Benzene | | | | | | |
| | | | EPDM | 氨水、乙醇、盐酸、苛性钾、苛性苏打、甲醇 Ammonia water, Ethanol, Hydrochloric acid, Caustic potash, Caustic soda, Methanol | 二甲苯、矿物油、四氯化碳、三氯乙烯、甲苯、苯 Xylene, Mineral oil, Carbon tetrachloride, Trichloroethylene, Toluene, Benzene | | | | | | |
| | | | | | | | | FKM | 170 | 乙醇、过氧化氢、矿物油、次氯酸钠 Ethanol, Hydrogen peroxide, Mineral oil, Sodium hypochlorite | 丙酮、氨水、冰醋酸、氢氟酸、甲醛水 Acetone, Ammonia water, Glacial acetic acid, Hydrofluoric acid, Formalin |
| | BPH-274G | 15 | 7 | 250 | 35 | PPS | | 乙醇、二甲苯、四氯化碳、硅油、三氯乙烯 Ethanol, Xylene, Carbon tetrachloride, Silicone oil, Trichloroethylene | | 丙酮、氨水、氯磺酸、冰醋酸、氢氟酸、甲醛水 Acetone, Ammonia water, Chlorosulfonic acid, Glacial acetic acid, Hydrofluoric acid, Formalin | |
| | | | | | | | | FFKM FEP | | 乙醇、三氯甲烷、冰醋酸、苯、甲基 Ethanol, Chloroform, Glacial acetic acid, Benzene, Methyl ethyl ketone | 氯磺酸、氟油、CFC112、CFC113 Chlorosulfonic acid, Fluorine oil, CFC 112, CFC 113 |
| | BPH-274P | | | | | | | | | | |
| | | | | | | PFA | PTFE | FFKM FEP | 350 | 乙醇、王水、臭氧、四氯化碳、浓硝酸、浓硫酸、发烟硝酸 Ethanol, Aqua regia, Ozone, Carbon tetrachloride, Concentrated nitric acid, Concentrated sulfuric acid, Fuming sulfuric acid | 氟油、CFC112、CFC113 Fluorine oil, CFC 112, CFC 113 |
| | BPF-265P | 15 | 7 | 250 | 35 | | | | 350 | | |

BPS type

BPH type

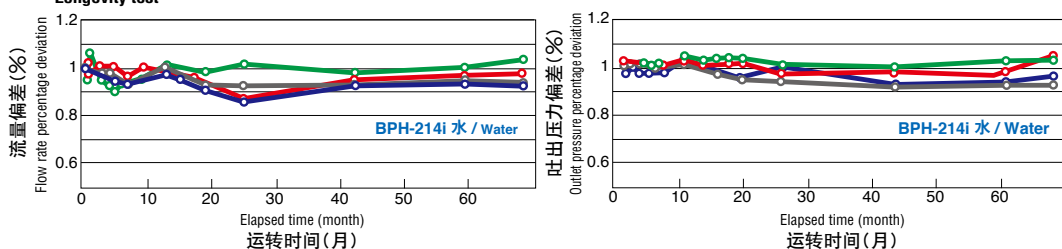
BPF type

材料说明 / Material Description

EPDM --- 乙丙橡胶 / Ethylene Propylene Rubber
FEP --- 氟乙丙烯 / Fluoroethylene Propylene
FFKM --- 氟橡胶(全氟) / Fluorine Rubber (Perfluoro)
FKM --- 氟橡胶 / Fluorine Rubber
IIR --- 丁基橡胶 / Butyl Rubber
POM --- 聚缩醛 / Polyacetal
PFA --- 氟树脂(全氟烷氧基) / Fluororesin (Perfluoroalkoxy)
PP --- 聚丙烯 / Polypropylene
PPS --- 聚苯硫醚 / Polyphenylene Sulphide
PTFE --- 四氟树脂(聚四氟乙烯) / Tetrafluoresin (Polytetrafluoroethylene)
VMQ --- 二甲基硅橡胶 / Dimethyl Silicon Rubber

耐久性 / Durability

寿命测试: Longevity test



BIMOR PUMP

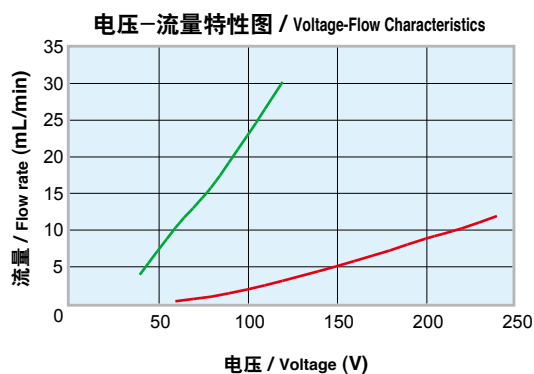
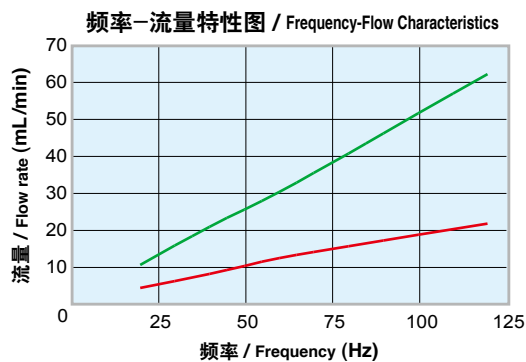
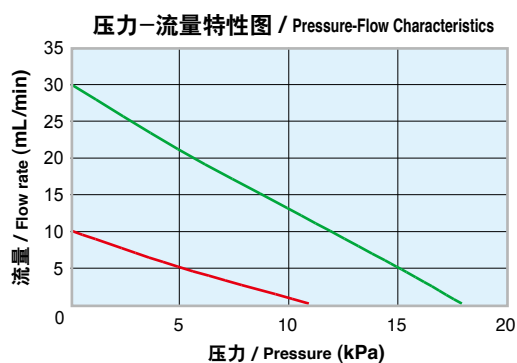


压电泵 / PIEZOELECTRIC PUMP

流量特性图 / Flow Rate Characteristic

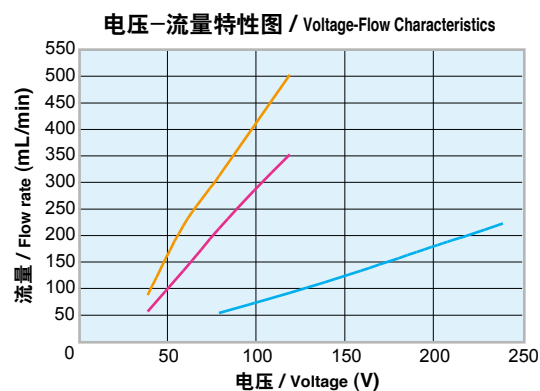
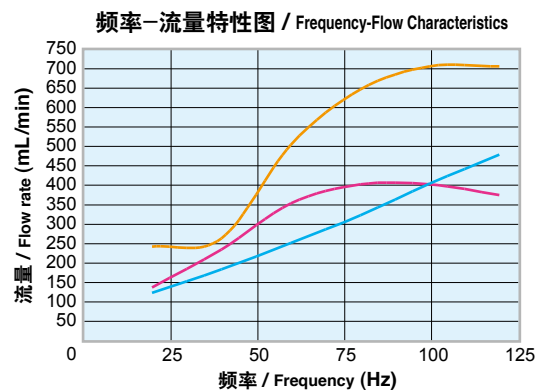
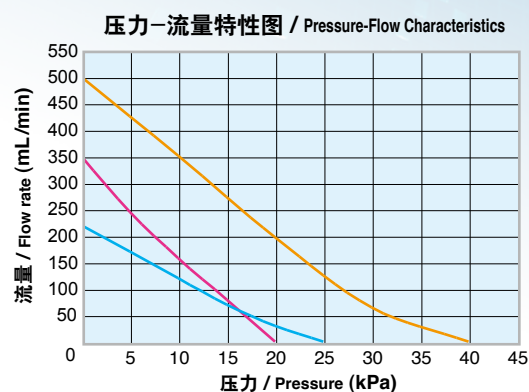
BPS系列 / BPS series

120V 60Hz type 230V 50Hz type



BPH系列 / BPH series

(BPH-414i) (BPH-214i) (BPH-214i)
120V 60Hz type 120V 60Hz type 230V 50Hz type



泵小型化的未来

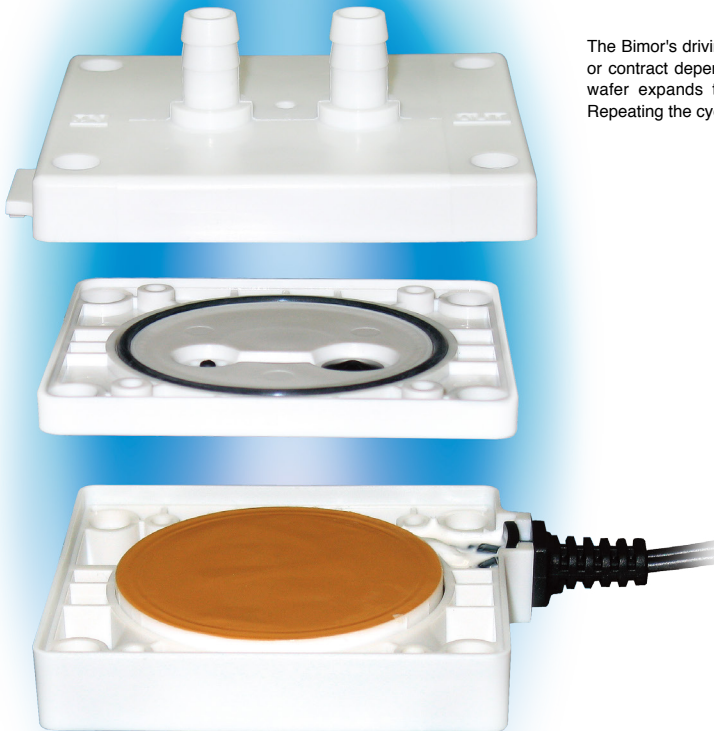
<革命性的压电双晶片技术>

BIMOR®泵的驱动源“压电双晶片”由两个并行的压电晶片组成。它们根据电压的方向进行膨胀或收缩。因此，作用交流电时，一个晶片先胀后缩，而另一个先缩后胀，使压电双晶片弯曲。重复该循环即可产生泵送作用。

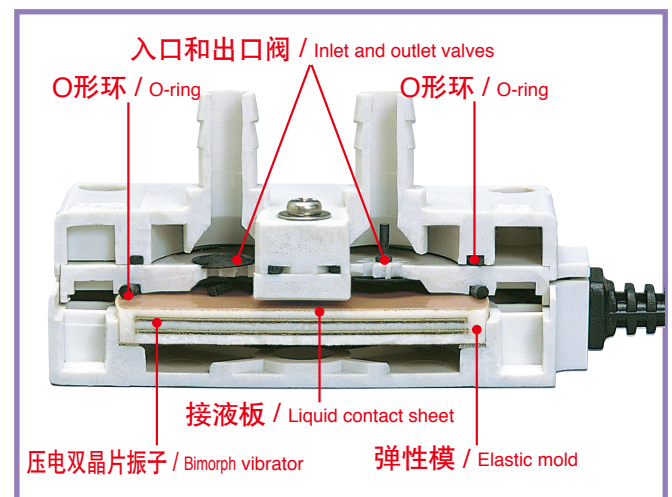
The Next Step in Pump Miniaturization

<Revolutionary piezoelectric bimorph technology>

The Bimor's driving force, the bimorph, comprises two parallel piezoelectric wafers. Their nature is to expand or contract depending on the direction of the voltage. Therefore when an alternating current is applied, one wafer expands then contracts while the other contracts then expands, causing the bimorph to bend. Repeating the cycle creates the pumping action.



剖面图 / Cross section



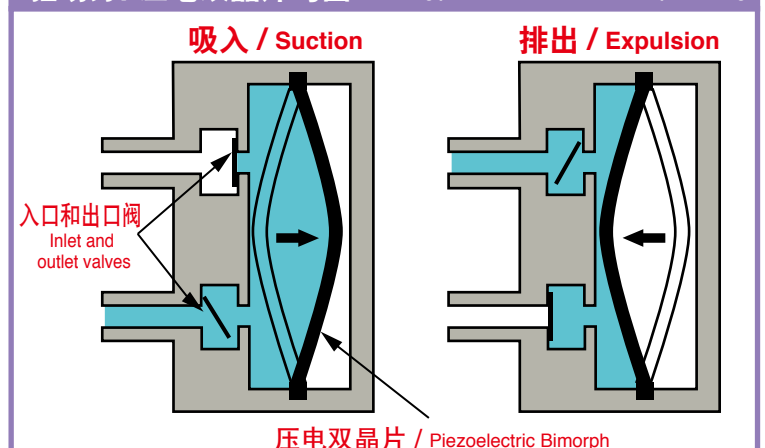
原理 / 结构

“BIMOR®泵”将压电双晶片振子的位移运动作为泵送作用的直接动力源。

Principle / Structure

"The Bimor pump" uses the displacement operation of the piezoelectric bimorph vibrator as the direct source of the pumping action.

驱动力：压电双晶片弯曲 / Driving power: Piezoelectric Bimorph winding



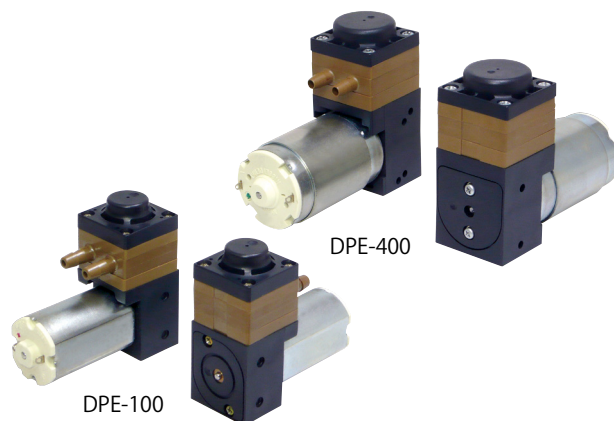
DC LIQUID PUMP



隔膜泵 / DIAPHRAGM PUMP

- 内置脉冲吸收室
- 可选择适合不同液体的多种构成材料
- 自吸式可抽吸空气

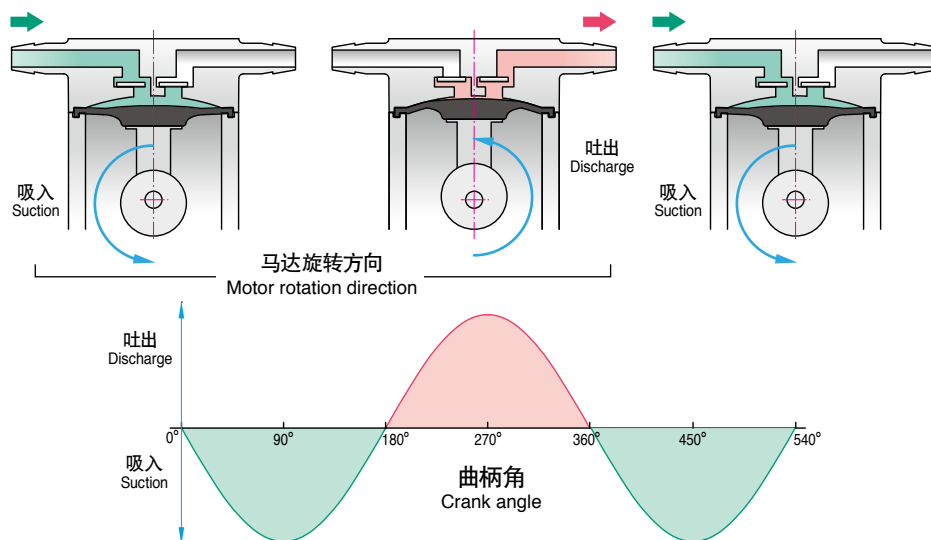
- Built-in Pulse Absorption Chamber
- Many build material options for different liquids
- Self-priming type with air suction acceptable



典型的无脉冲吸收传统泵 / Typical Conventional Pump without Pulse Absorption

由于液体是通过泵和液体回路的吸入和排出通道进行输送的，因此会产生高脉动，从而导致在管道和配件内出现气穴和振动、峰值脉冲噪音、泵机构的应力和磨损增加。这些负面结果往往会因使用转速相对较高的小型泵而增加。

As liquid is transported through the suction and discharge passages of the pump and liquid circuit, high pulsations can be created which can cause cavitation, vibration in tubing, fittings, peak pulsing noises, and added stress and wear to pump mechanisms. These negative results are often increased through the use of small pumps having relatively high rotational speeds.



设计先进的脉冲吸收DPE泵 / Advanced design DPE Pump with Pulse Absorption

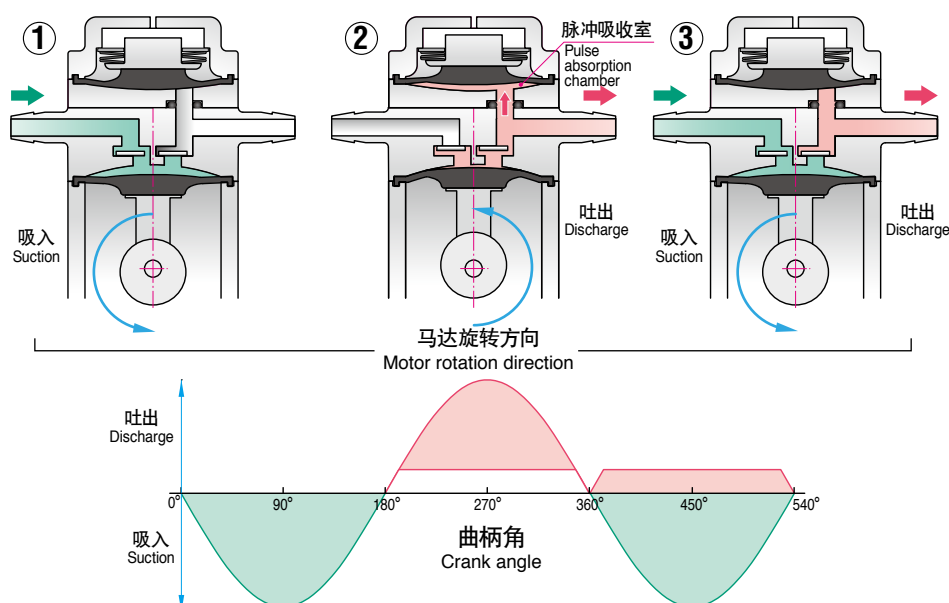
可使脉冲衰减，有助于产生稳态流、降低整个液体回路的噪音和振动，并提高泵和其他回路组件的使用寿命。设计先进，脉冲缓冲器无需额外的安装成本或空间。

- ① 吸入
 - ② 吐出。部分液体被输送至脉冲吸收室，而不是直接强制进入吐出口。
 - ③ 进入泵的循环吸入与吐出同步。
- 通过②和③的处理，脉冲得到衰减。

Provides pulse attenuation which helps to create steady state flow, reduced noise and vibration throughout the fluid circuit, and enhances life of the pump and other circuit components. It's designed in... No need for additional installation cost or space with pulsation dampers.

- ① Suction
- ② Discharge. Partial fluid delivery to pulse absorption chamber, not directly forced to outlet port.
- ③ Cyclical suction drawn into pump is synchronized with the discharge.

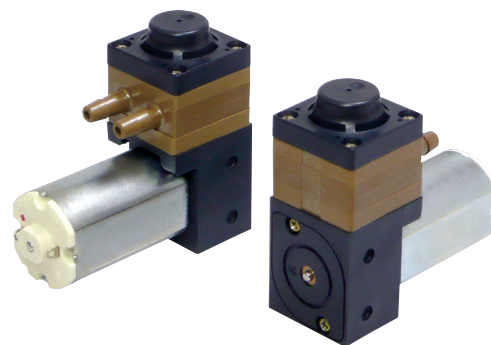
Pulses are attenuated through the process of ② and ③.



隔膜泵 / DIAPHRAGM PUMP



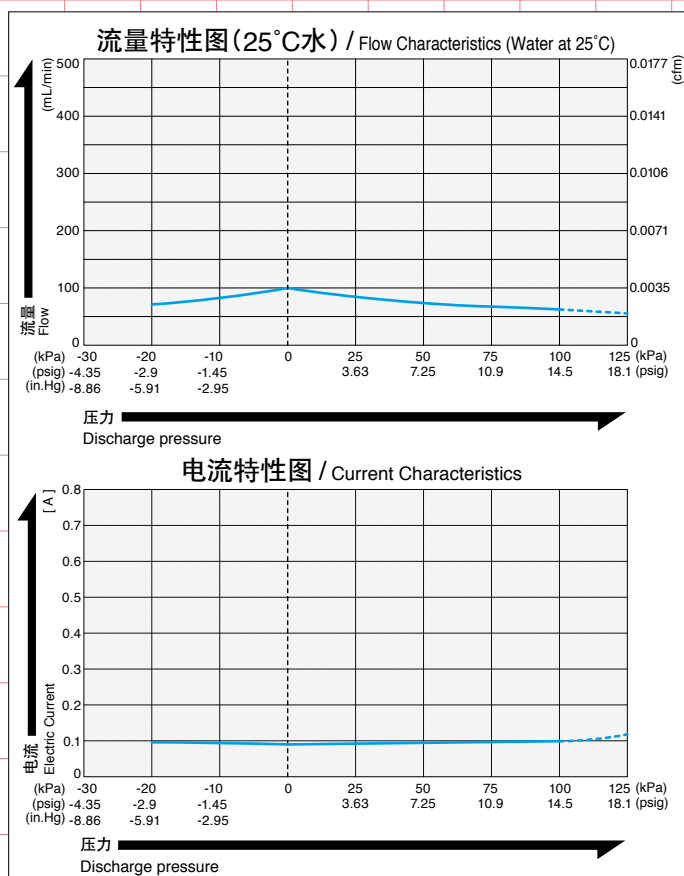
液体泵



DC LIQUID PUMP

DPE-100

流量和电流 / Flow & Electric Current



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------------|---|-----------|---------------------|
| 额定电压 / Rated Voltage | 24 V DC | | |
| 流量 / Flow Rate ※1 | 100 mL/min | | 0.0035 cfm |
| 使用压力范围 / Working Pressure Range | 0 - 100 kPa | 0 - 1 bar | 0 - 14.5 psig |
| 最高压力 / Maximum Pressure ※2 | 300 kPa | 3 bar | 43.5 psig |
| 最大电流 / Maximum Current | 100 mA | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 (MTTF) / Life Expectancy (MTTF) | 500 小时 / 500 hours | | |
| 自吸力 / Self-priming Pressure ※1 | 20 kPa | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ4.7 mm(外径)直管接头 / 4.7 mm O.D. straight barb | | |
| 绝缘等级 / Insulation Class | 相当于E类 / E class equivalent | | |
| 安装尺寸 / Mounting Dimensions | 9.5 mm(L) x 17 mm(W) | | 3/8"(L) x 43/64"(W) |
| 本体重量 / Gross Weight | 67 g | | 0.148 Lbs. |
| 马达 / Motor | DC 有刷马达 / DC Brush Motor | | |

※1: 若止回阀因液体温度低而硬化, 自吸性能和流量将降低。
When the check valve is hardened due to low liquid temperature, self-priming performance and flow rate will go down.

※2: 若管路关闭时无法重新启动泵。
Restarting pumps with flow passage closed is impossible.

请务必阅读“产品目录使用指南”, 确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

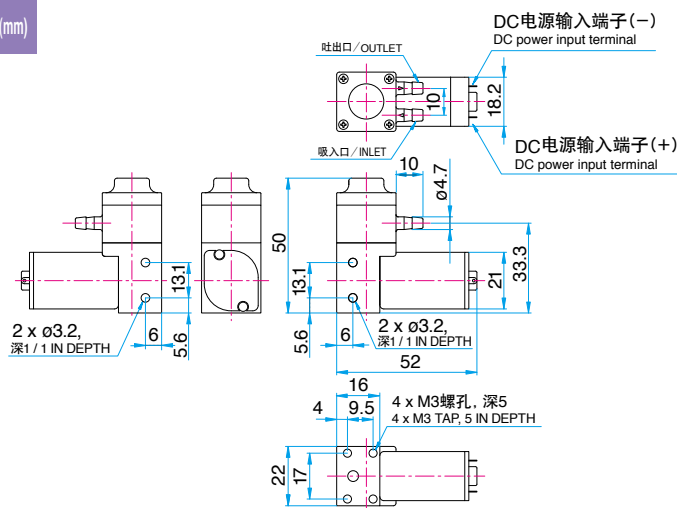
构成材料和适用流体 / Build materials and applicable fluids

| 型号 / Model | 缸盖 / Cylinder Head | 缸盖罩 / Head Cover | 隔膜 / Diaphragm | 阀 / Valve | O形环 / O-ring | 适用流体 / Applicable fluids |
|------------|--------------------|------------------|----------------|--------------|--------------|---|
| DPE-100-2E | PA 聚酰胺(尼龙) | | PTFE 聚四氟乙烯 | EPDM 乙丙橡胶 | | 苛性苏打、柠檬酸、氨水、苛性钾 Sodium hydroxide, Citric acid, Ammonia water, Caustic potash |
| DPE-100-2G | | | | FKM 氟橡胶 | | 乙醇、乙二醇、碳酸钠、矿物油 Ethanol, Ethylene glycol, Sodium carbonate, mineral oil |
| DPE-100-7G | PPS 聚苯硫醚 | | | FFKM 全氟橡胶 | | 二甲苯、四氯化碳、三氯乙烯、硅油 Xylene, Carbon tetrachloride, Trichloroethylene, Silicon oils |
| DPE-100-7P | | | | | | 三氯甲烷、苯、冰醋酸、丁酮 Chloroform, Benzene, Glacial acetic acid, Methyl ethyl ketone |

用途例 / Applications

- 液体分析仪(例如, 医疗、食品、水处理和环境)。 / Liquid analytical instruments e.g. medical, food, water treatment & environmental.
- 过滤、取样、灭菌器和洗涤器中的液体输送。 / Liquid transport within filtration, sampling, sterilizers and washers.
- 工业喷墨打印机中的墨水输送。 / Ink transport within industrial ink-jet printers.

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



隔膜泵 / DIAPHRAGM PUMP

DC LIQUID PUMP



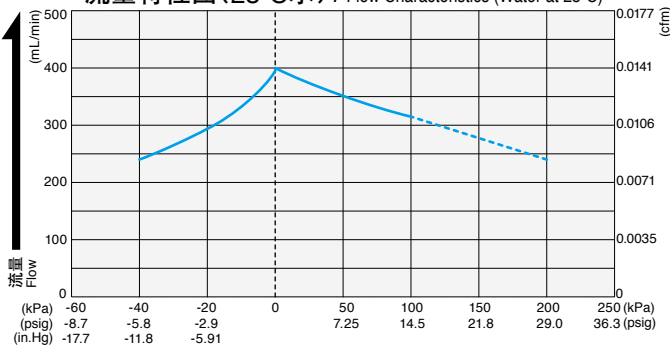
液体泵

DPE-400

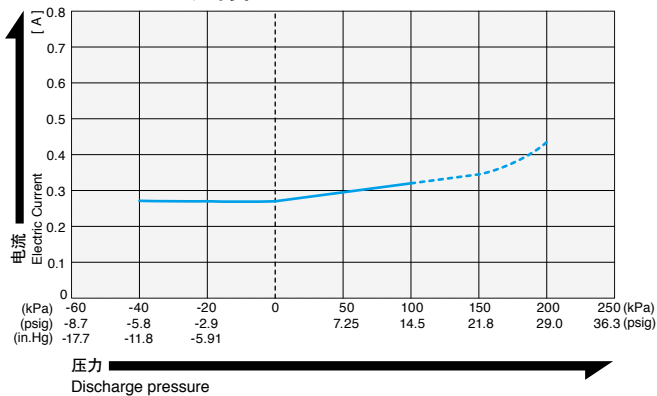


流量和电流 / Flow & Electric Current

流量特性图 (25°C水) / Flow Characteristics (Water at 25°C)



电流特性图 / Current Characteristics



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------------|---|------------------------|---------------|
| 额定电压 / Rated Voltage | 24 V DC | | |
| 流量 / Flow Rate ※ 1 | 400 mL/min | | 0.0141 cfm |
| 使用压力范围 / Working Pressure Range | 0 - 100 kPa | 0 - 1 bar | 0 - 14.5 psig |
| 最高压力 / Maximum Pressure ※ 2 | 300 kPa | 3 bar | 43.5 psig |
| 最大电流 / Maximum Current | 345 mA | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 (MTTF) / Life Expectancy (MTTF) | 500 小时 / 500 hours | | |
| 自吸力 / Self-priming Pressure ※ 1 | 40 kPa | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5.4 mm (外径) 直管接头 / 5.4 mm O.D. straight barb | | |
| 绝缘等级 / Insulation Class | 相当于F类 / F class equivalent | | |
| 安装尺寸 / Mounting Dimensions | 19 mm(L) x 26 mm(W) | 3/4" (L) x 1-1/32" (W) | |
| 本体重量 / Gross Weight | 187 g | 0.412 Lbs. | |
| 马达 / Motor | DC 有刷马达 / DC Brush Motor | | |

※1: 若止回阀因液体温度低而硬化, 自吸性能和流量将降低。
When the check valve is hardened due to low liquid temperature, self-priming performance and flow rate will go down.

※2: 若管路关闭时无法重新启动。
Restarting pumps with flow passage closed is impossible.

请务必阅读“产品目录使用指南”, 确保正确使用。
Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

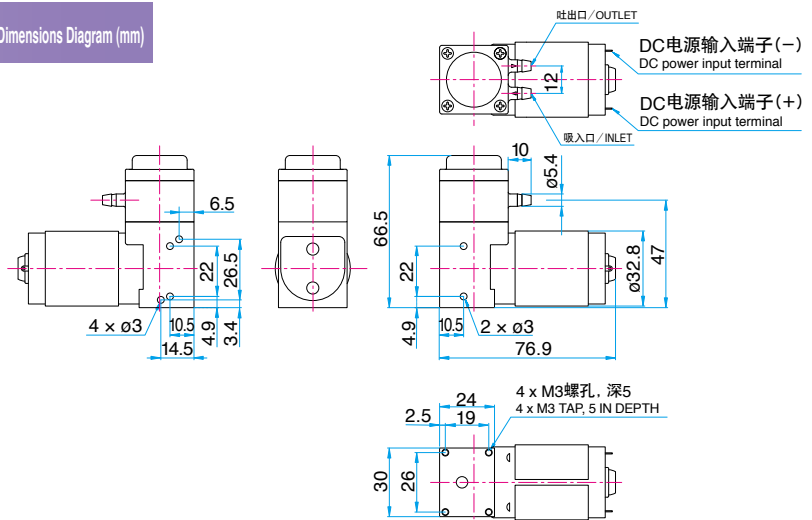
构成材料和适用流体 / Build materials and applicable fluids

| 型号 / Model | 缸盖 / Cylinder Head | 缸盖罩 / Head Cover | 隔膜 / Diaphragm | 阀 / Valve | O形环 / O-ring | 适用流体 / Applicable fluids |
|------------|-----------------------|------------------|----------------|--------------|--------------|---|
| DPE-400-2E | PA 聚酰胺(尼龙) | | PTFE 聚四氟乙烯 | EPDM 乙丙橡胶 | | 苛性苏打、柠檬酸、氨水、苛性钾 Sodium hydroxide, Citric acid, Ammonia water, Caustic potash |
| DPE-400-2G | Polyamide(Nylon) | | | FKM 氟橡胶 | | 乙醇、乙二醇、碳酸钠、矿物油 Ethanol, Ethylene glycol, Sodium carbonate, mineral oil |
| DPE-400-7G | PPS 聚苯硫醚 | | | FFKM 全氟橡胶 | | 二甲苯、四氯化碳、三氯乙烯、硅油 Xylene, Carbon tetrachloride, Trichloroethylene, Silicon oils |
| DPE-400-7P | Polyphenylene sulfide | | | | | 三氯甲烷、苯、冰醋酸、丁酮 Chloroform, Benzene, Glacial acetic acid, Methyl ethyl ketone |

用途例 / Applications

- 液体分析仪(例如, 医疗、食品、水处理和环境)。 / Liquid analytical instruments e.g. medical, food, water treatment & environmental.
- 过滤、取样、灭菌器和洗涤剂中的液体输送。 / Liquid transport within filtration, sampling, sterilizers and washers.
- 工业喷墨打印机中的墨水输送。 / Ink transport within industrial ink-jet printers.

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



隔膜泵 / DIAPHRAGM PUMP



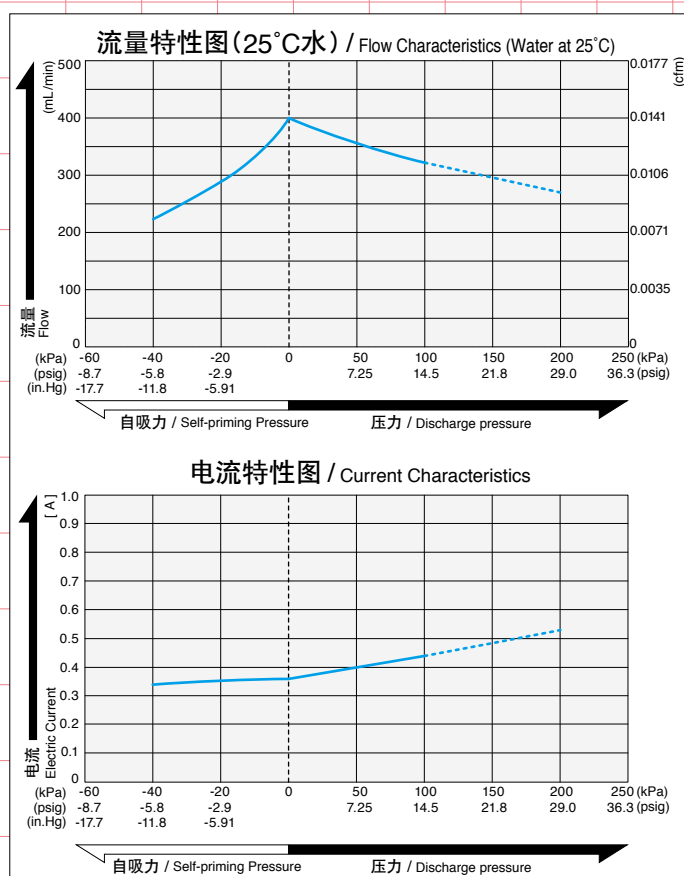
液体泵



DC LIQUID PUMP

DPE-400BL

流量和电流 / Flow & Electric Current



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|---|--|-----------|---------------|
| 额定电压 / Rated Voltage | 24 V DC | | |
| 流量 / Flow Rate ※1 | 400 mL/min | | 0.0141 cfm |
| 使用压力范围 / Working Pressure Range | 0 - 100 kPa | 0 - 1 bar | 0 - 14.5 psig |
| 最高压力 / Maximum Pressure ※2 | 300 kPa | 3 bar | 43.5 psig |
| 最大电流 (参考) / Maximum Current (Reference) | 450 mA | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 (MTTF) / Life Expectancy (MTTF) ※3 | 5,000 小时 / 5,000 hours | | |
| 自吸力 / Self-priming Pressure ※1 | 40 kPa | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5.4mm (外径) 直管接头 / 5.4 mm O.D. straight barb | | |
| 绝缘等级 / Insulation Class | 相当于A类 / A class equivalent | | |
| 安装尺寸 / Mounting Dimensions | 41 mm(W) | | 1-19/32"(W) |
| 本体重量 / Gross Weight | 230 g | | 0.507 Lbs. |
| 马达 / Motor | DC无刷马达 / DC Brushless Motor | | |

※1: 低温时性能可能会降低。/ At low temperature, the performance may reduce.

※2: 高压时泵可能无法重新启动。/ Pumps may not re-start against high backpressure.

※3: 耐用时间基于以下条件。/ Life expectancy is based on the following conditions:

额定电压 / Rated voltage: 24 V DC
大气压 / Atmospheric pressure: 0 kPa
流体: 25°C水 / Fluid: water at 25°C

请务必阅读“产品目录使用指南”，确保正确使用。

Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

构成材料和适用流体 / Build materials and applicable fluids

| 型号 / Model | 缸盖 / Cylinder Head | 缸盖罩 / Head Cover | 隔膜 / Diaphragm | 阀 / Valve | O形环 / O-ring | 适用流体 / Applicable fluids |
|--------------|-----------------------|------------------|-------------------------|--------------|--------------|---|
| DPE-400BL-2E | PA 聚酰胺(尼龙) | | PTFE 聚四氟乙烯 | EPDM 乙丙橡胶 | | 苛性苏打、柠檬酸、氨水、苛性钾 Sodium hydroxide, Citric acid, Ammonia water, Caustic potash |
| DPE-400BL-2G | Polyamide(Nylon) | | Polytetrafluoroethylene | FKM 氟橡胶 | | 乙醇、乙二醇、碳酸钠、矿物油 Ethanol, Ethylene glycol, Sodium carbonate, mineral oil |
| DPE-400BL-7G | PPS 聚苯硫醚 | | | FFKM 全氟橡胶 | | 二甲苯、四氯化碳、三氯乙烯、硅油 Xylene, Carbon tetrachloride, Trichloroethylene, Silicon oils |
| DPE-400BL-7P | Polyphenylene sulfide | | | | | 三氯甲烷、苯、冰醋酸、丁酮 Chloroform, Benzene, Glacial acetic acid, Methyl ethyl ketone |

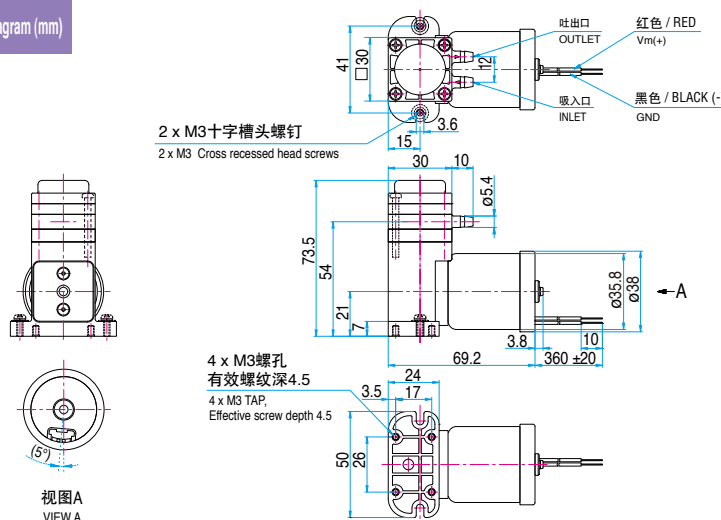
所列化学品仅供参考。请确认材料是否适合所有用途。

The chemicals shown are for reference only. Please confirm suitability of materials in each application.

用途例 / Applications

- 液体分析仪 (例如, 医疗、食品、水处理和环境)。/ Liquid analytical instruments e.g. medical, food, water treatment & environmental.
- 过滤、取样、灭菌器和洗涤器中的液体输送。/ Liquid transport within filtration, sampling, sterilizers and washers.
- 工业喷墨打印机中的墨水输送。/ Ink transport within industrial ink-jet printers.

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



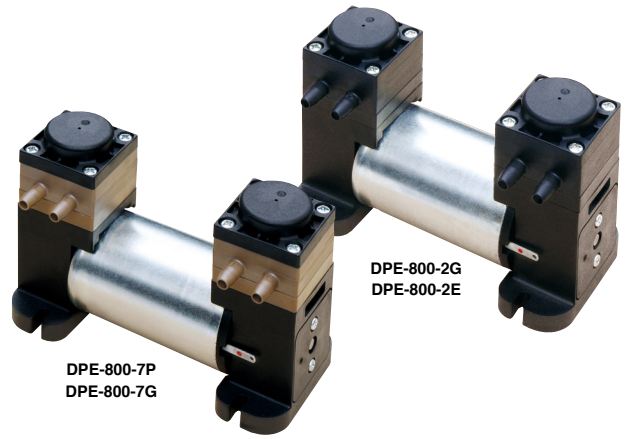
DC LIQUID PUMP

DPE-800

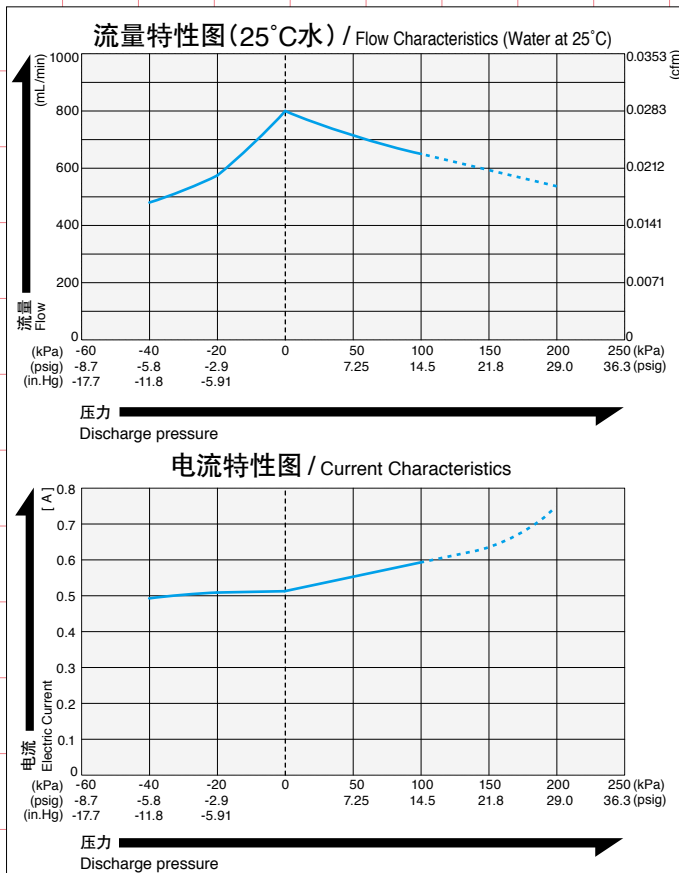
隔膜泵 / DIAPHRAGM PUMP



液体泵

DPE-800-7P
DPE-800-7GDPE-800-2G
DPE-800-2E

流量和电流 / Flow & Electric Current



规格 / Specifications

| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------------|---|-----------------------------|---------------|
| 额定电压 / Rated Voltage | 24 V DC | | |
| 流量 / Flow Rate ※ 1, ※ 3 | 800 mL/min | 0.0282 cfm | |
| 使用压力范围 / Working Pressure Range | 0 - 100 kPa | 0 - 1 bar | 0 - 14.5 psig |
| 最高压力 / Maximum Pressure ※ 2 | 300 kPa | 3 bar | 43.5 psig |
| 最大电流 / Maximum Current | 600 mA | | |
| 额定时间 / Rated Operating Time | 连续 / Continuous | | |
| 耐用时间 (MTTF) / Life Expectancy (MTTF) | 600 小时 / 600 hours | | |
| 自吸力 / Self-priming Pressure ※ 1 | 40 kPa | | |
| 吸入口和吐出口尺寸 / Inlet and Outlet | φ5.4 mm (外径) 直管接头 / 5.4 mm O.D. straight barb | | |
| 绝缘等级 / Insulation Class | 相当于E类 / E class equivalent | | |
| 安装尺寸 / Mounting Dimensions | 74.5 mm(L) x 41 mm(W) | 2-15/16" (L) x 1-19/32" (W) | |
| 本体重量 / Gross Weight | 350 g | 0.771 Lbs. | |
| 马达 / Motor | DC有刷马达 / DC Brush Motor | | |

※1: 若止回阀因液体温度低而硬化, 自吸性能和流量将降低。
 When the check valve is hardened due to low liquid temperature, self-priming performance and flow rate will go down.
 ※2: 管路关闭时无法重新启动泵。 / Restarting pumps with flow passage closed is impossible.
 ※3: 两个泵头之间的管路必须并联。 / Tubing between two pumping heads must be done in parallel.
 两个泵头之间的管路不可串联。否则, 会引起压力急剧上升, 导致零部件损坏, 液体飞溅甚至起火。
 Tubing in series between the two pumping heads should not be made. This may cause extreme pressure hike that will result in broken parts, liquid splash out or possible ignition.
 请务必阅读“产品目录使用指南”, 确保正确使用。
 Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

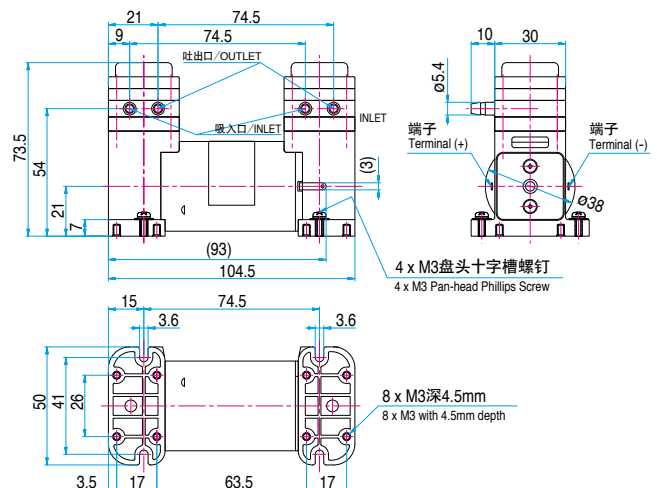
构成材料和适用流体 / Build materials and applicable fluids

| 型号 / Model | 缸盖 / Cylinder Head | 缸盖罩 / Head Cover | 隔膜 / Diaphragm | 阀 / Valve | O形环 / O-ring | 适用流体 / Applicable fluids |
|------------|--------------------|------------------|----------------|--------------|--------------|--|
| DPE-800-2E | PA 聚酰胺(尼龙) | | PTFE 聚四氟乙烯 | EPDM 乙丙橡胶 | | 苛性苏打, 柠檬酸, 氨水, 苛性钾 Sodium hydroxide, Citric acid, Ammonia water, Caustic potash |
| DPE-800-2G | PA 聚酰胺(尼龙) | | PTFE 聚四氟乙烯 | FKM 氟橡胶 | | 乙醇, 乙二醇, 碳酸钠, 矿物油 Ethanol, Ethylene glycol, Sodium carbonate, mineral oil |
| DPE-800-7G | PPS 聚苯硫醚 | | PTFE 聚四氟乙烯 | FKM 氟橡胶 | | 二甲苯, 四氯化碳, 三氯乙烯, 硅油 Xylene, Carbon tetrachloride, Trichloroethylene, Silicon oils |
| DPE-800-7P | PPS 聚苯硫醚 | | PTFE 聚四氟乙烯 | FFKM 全氟橡胶 | | 三氟甲烷, 苯, 冰醋酸, 丁酮 Chloroform, Benzene, Glacial acetic acid, Methyl ethyl ketone |

用途例 / Applications

- 液体分析仪 (例如, 医疗、食品、水处理和环境)。 / Liquid analytical instruments e.g. medical, food, water treatment & environmental.
- 过滤、取样、灭菌器和洗涤器中的液体输送。 / Liquid transport within filtration, sampling, sterilizers and washers.
- 工业喷墨打印机中的墨水输送。 / Ink transport within industrial ink-jet printers.

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)





其他产品 / OTHER PRODUCTS

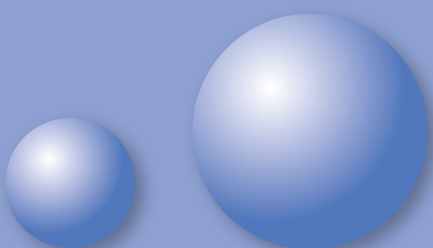
真空镊子 / VACUUM TWEEZERS

MEDO HAND

MH-100A

轻松移送微型组件!
Easy transfer of miniature components!

MH-100A
P97



真空泵

MEDO HAND

真空镊子 / Vacuum Tweezers

型号 / Model **MH-100A**

单触式拾放动作，轻松移送微型组件！

One touch pick and place action for easy transfer of miniature components!

NEW

还具有
除尘功能
Duster function is
also available

笔式镊子
操作方便
Easy to handle pen
type tweezers



规格 / Specifications



台架 / Stand

MH-100A由以下组件构成：

- Linicon LV-125A真空泵装置
(包括1个微型快速接头MC04PH)
- 导管3 x 5 x 2000 mm: 1根
- 镊子 (P-100): 1套
- 台架: 1个
- 吸针1 x 1.5 x 40: 1根
- $\phi 6$ mm衬垫: 1个
- $\phi 4$ mm衬垫: 1个

吸针可根据用途弯曲。
关于弯曲吸针的方法，请参见使用说明书。

MH-100A is composed of:

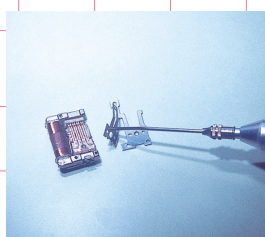
- Vacuum Pump Unit Linicon Model LV-125A including 1 pc. of Micro Cupla MC04PH
- Tube 3 x 5 x 2000 mm : 1 pc.
- Tweezer (P-100): 1set
- Stand : 1 pc.
- Needle 1 x 1.5 x 40 : 1 pc.
- Pad 6 mm dia. : 1 pc.
- Pad 4 mm dia. : 1 pc.

The needle can be bent in accordance with applications.
Please read the instruction booklet on how to bend the needle.

用途例 / Applications



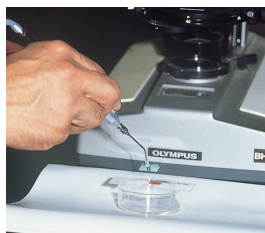
移送球形物体(如圆珠)
Transferring sphere objects such as balls



组装精密零件
Assembling precision parts



移动微小零件
Moving tiny parts



移送不平整零件
Transferring uneven parts

适用于移动IC和LSI等电子部件。
也适用于手表等精密微型零件、化学品和其他小零件。
Most suitable for handling electronic parts such as ICs and LSIs.
Also precise micro parts such as watches, chemicals and other small parts.

真空泵装置规格Linicon LV-125A

Specifications of Vacuum Pump Unit Linicon Model LV-125A

| | | |
|--------------------------------|--|-----------------------------|
| 额定电压 / Rated Voltage | 115 V AC | 230 V AC |
| 消耗功率 / Power Consumption | 15/14 W | 15/14 W |
| 额定频率 / Rated Frequency | 50/60 Hz | 50/60 Hz |
| 达到真空度 / Maximum Vacuum | -33.3 kPa { -250 mmHg }, -333 mbar, -9.84 in.Hg } | |
| 外形尺寸 / Dimensions | 135 mm(L) x 84 mm(W) x 146 mm (H) (5-5/16" x 3-11/32" x 5-3/4") | |
| 额定时间 / Duty Cycle | 连续 / Continuous | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 / B or its equivalent | 相当于E类 / E or its equivalent |
| 重量 / Weight | 1.5 kg (3.3 lbs.) | |

定制项目 / Made-to-order Item

AC 线性驱动

空气压缩泵 / Air Compressor

AC0501
P99

真空泵 / Vacuum Pump

VP0645
P100

VP0945
P101

VP0660x2
P102

隔膜泵 / Diaphragm Pump

VC0101S
兼用型 / Dual Type
P103

VC0101S
曝气机型 / Blower Type
P104



压缩泵



低 压



真空泵



双 泵

定制压缩机 / Made-to-order COMPRESSOR

LINEAR

Ac0501



压缩机



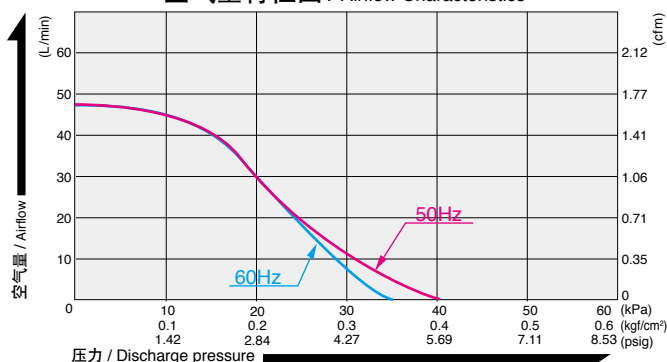
低压

线性压缩机
MOTOR FREE PISTON SYSTEM

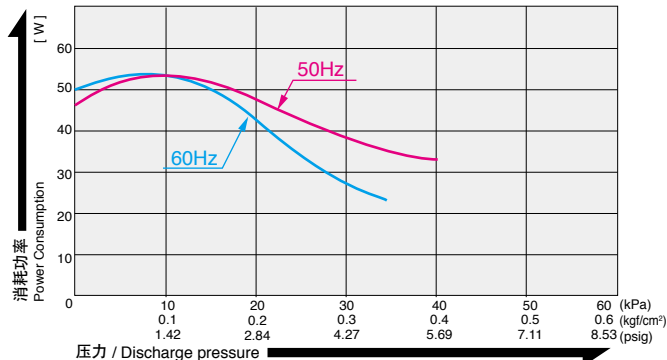


空气量和消耗功率 / Airflow & Power Consumption

空气量特性图 / Airflow Characteristics



消耗功率特性图 / Power Consumption Characteristics

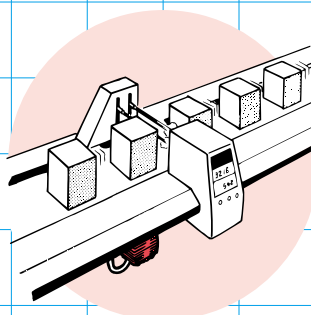


规格 / Specifications

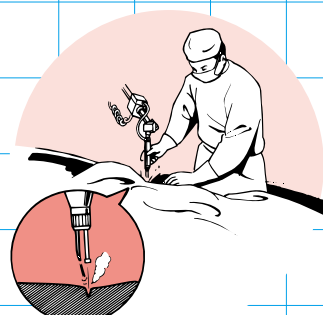
| | (SI) | (EURO) | (U.S.A.) |
|--------------------------------|---|----------------------------|-----------|
| 额定压力 / Rated Pressure | 10 kPa {0.1 kgf/cm ² } | 0.1 bar | 1.42 psig |
| 吐出空气量 / Rated Airflow | 45 L/min | | |
| | 1.59 cfm | | |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 最高压力 / Maximum Pressure | 35 kPa {0.35 kgf/cm ² } | 0.35 bar | 4.98 psig |
| 消耗功率 / Power Consumption | 53 W | | |
| 额定频率 / Rated Frequency | 60 Hz & 50 Hz | | |
| 耐用时间 / Life Expectancy | 10,000 小时 / 10,000 hours | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 68 (L) x 84 (W) mm | 2-11/16" (L) x 3-5/16" (W) | |
| 本体重量 / Gross Weight | 3 kg | 6.6 Lbs. | |
| 导线长度 / Leadwire Length | 200 mm | 7-7/8" | |

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用途例 / Application Examples

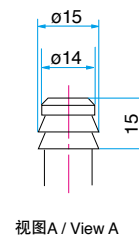
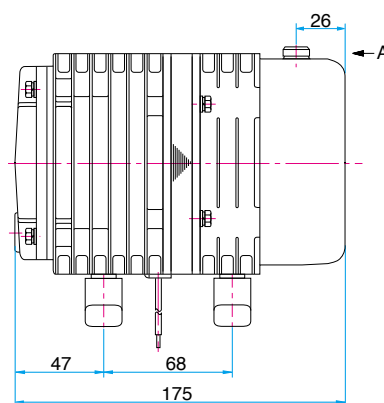
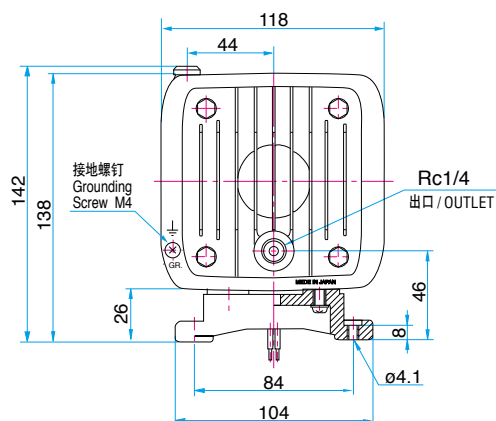


气动传感器 / Pneumatic Sensor



激光排气 / Laser Air Ventilation

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图A / View A

LINEAR

COMPRESSOR

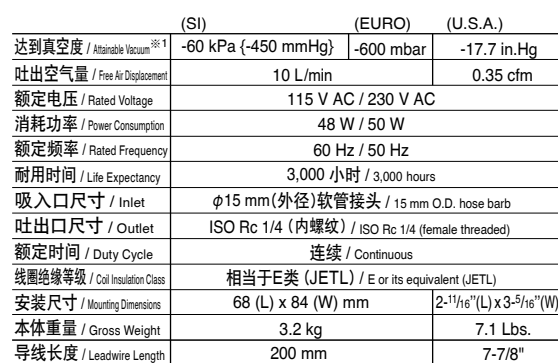
线性压缩机

MOTOR FREQUENCY CONVERTER

VP0645

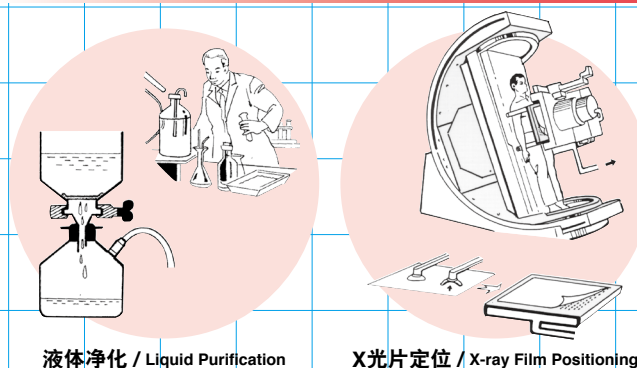


规格 / Specifications

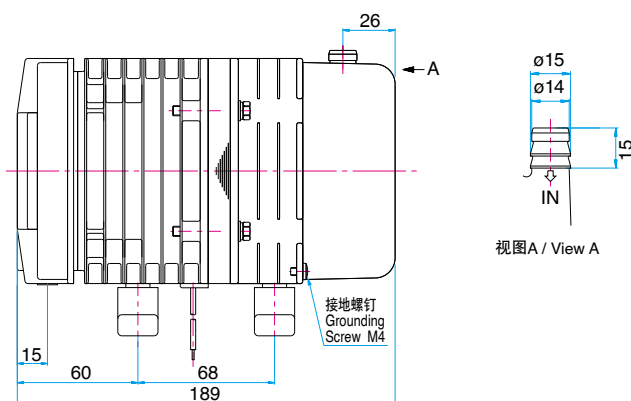


※1: 高于 -60 kPa 运转时需要在进气管路上加装一个放气阀或泄压阀。
Operations at higher than -60 kPa need an additional leak valve or relief valve on the inlet piping.

用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



定制真空泵 / Made-to-order VACUUM PUMP

LINEAR

VP0945



压缩机



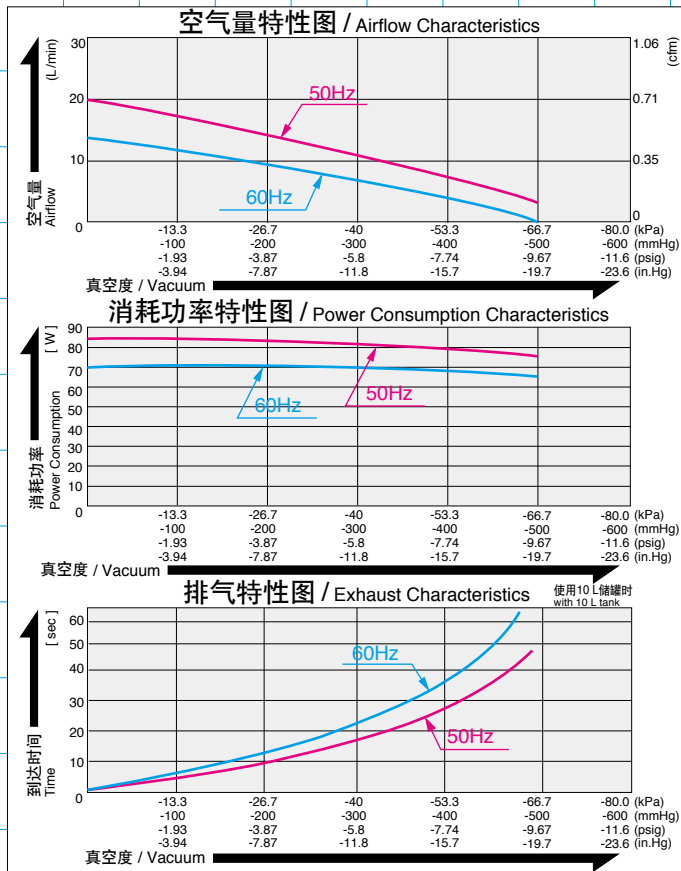
真空泵

线性压缩机
MOTOR FREE PISTON SYSTEM



空气量和消耗功率 / Airflow & Power Consumption

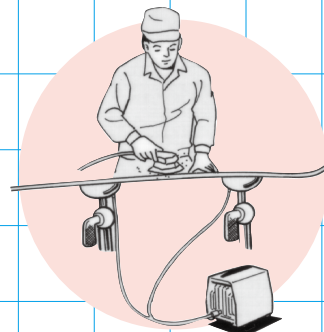
规格 / Specifications



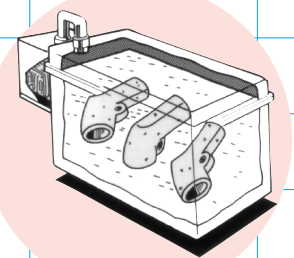
| | (SI) | (EURO) | (U.S.A.) |
|---|---|---------------------|-------------|
| 达到真空度 / Attainable Vacuum ^{※1} | -60 kPa (-450 mmHg) | -600 mbar | -17.7 in.Hg |
| 吐出空气量 / Free Air Displacement | 12 L/min | | 0.424 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | | |
| 消耗功率 / Power Consumption | 70 W / 85 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 3,000 小时 / 3,000 hours | | |
| 吸入口尺寸 / Inlet | φ15 mm (外径) 软管接头 / 15 mm O.D. hose barb | | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹) / ISO Rc 1/4 (female threaded) | | |
| 额定时间 / Duty Cycle | 连续 / Continuous | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于E类 (JETL) / E or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 102 (L) x 130 (W) mm | 4" (L) x 5-1/8" (W) | |
| 本体重量 / Gross Weight | 4.9 kg | 10.8 Lbs. | |
| 导线长度 / Leadwire Length | 150 mm / 300 mm | 5-7/8" | |

※1: 高于 -60 kPa 运转时需要在进气管路上加装一个放气阀或泄压阀。
Operations at higher than -60 kPa need an additional leak valve or relief valve on the inlet piping.
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Please read the page of "How to Use This Catalog" first for correct use of compressors and pumps.

用途例 / Application Examples

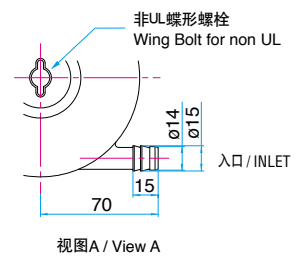
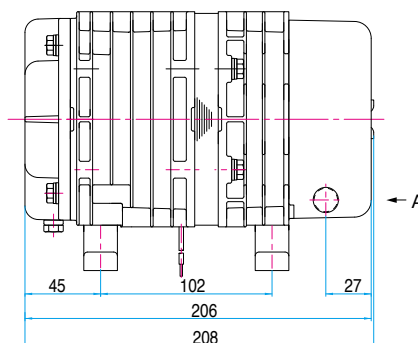
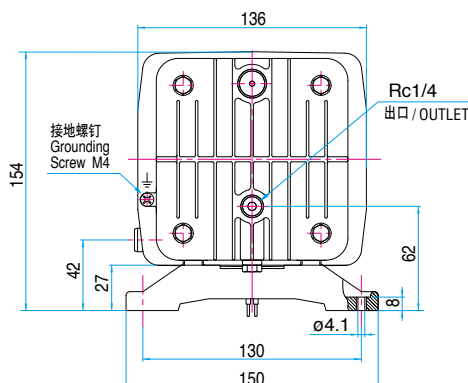


真空吸附台钳 / Vacuum Vice



浸渍减压器 / Impregnation Depressurizer

外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



视图A / View A

定制真空泵 / Made-to-order VACUUM PUMP

LINEAR



压缩泵



双泵



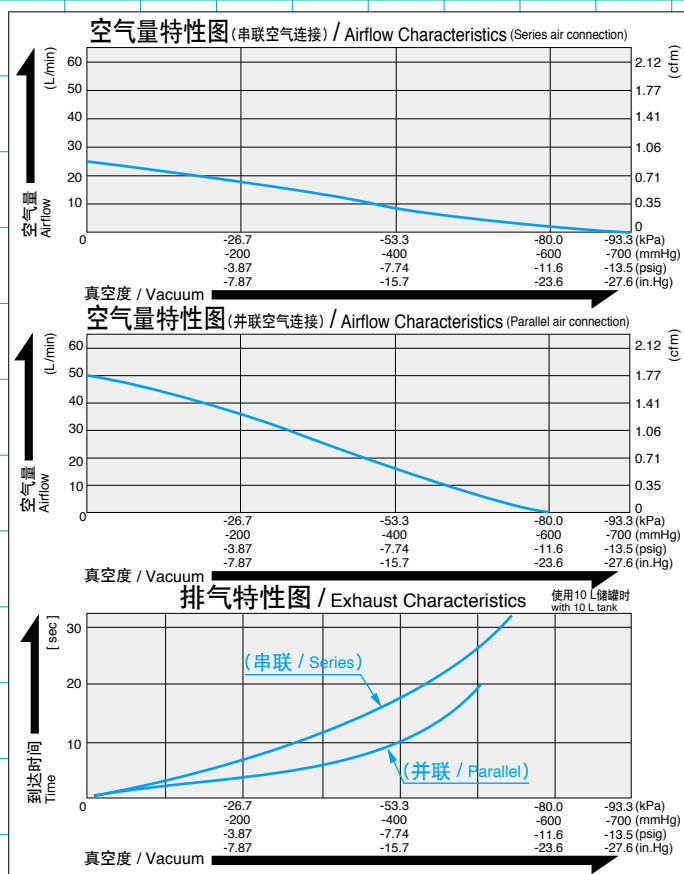
230V

线性压缩泵
MOTOR FREE PISTON SYSTEM

VP0660x2

空气量和消耗功率 / Airflow & Power Consumption

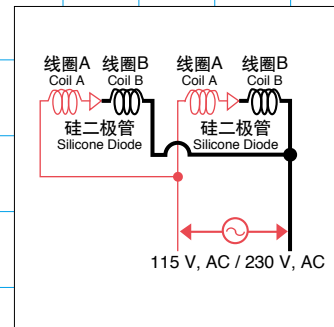
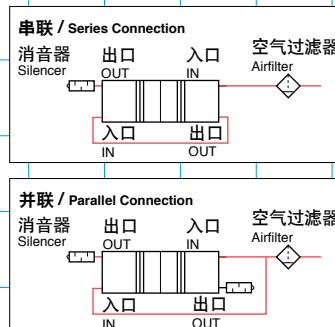
规格 / Specifications



| | 串联 / Series Connection | 并联 / Parallel Connection |
|---|---|---|
| 达到真空度 / Attainable Vacuum ^{※1} | -93.3 kPa (-700 mmHg) -933 mbar 或 -27.5 inHg | -80 kPa (-600 mmHg) -800 mbar 或 -23.6 inHg |
| 吐出空气量 / Free Air Displacement | 25 L/min 或 0.88 cfm | 50 L/min 或 1.77 cfm |
| 额定电压 / Rated Voltage | 115 V AC / 230 V AC | |
| 消耗功率 / Power Consumption | 125 W / 100 W | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | |
| 耐用时间 / Life Expectancy | 6,000 小时 / 6,000 hours | |
| 吸入口尺寸 / Inlet | ISO Rc 1/4 (内螺纹); 2端口 / ISO Rc 1/4 (female threaded); 2 ports | |
| 吐出口尺寸 / Outlet | ISO Rc 1/4 (内螺纹); 2端口 / ISO Rc 1/4 (female threaded); 2 ports | |
| 额定时间 / Duty Cycle | 连续 / Continuous | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 (JETL) / B or its equivalent (JETL) | |
| 安装尺寸 / Mounting Dimensions | 280 (L) x 130 (W) mm { 11" (L) x 5-1/8" (W) } | |
| 本体重量 / Gross Weight | 10 kg (22 Lbs.) | |
| 导线长度 / Leadwire Length | 150 mm (5-7/8") | |

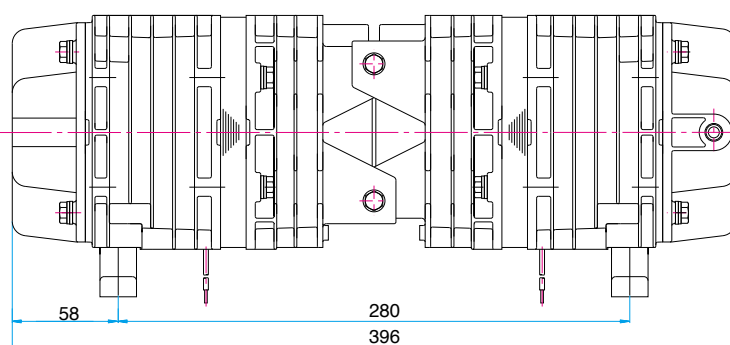
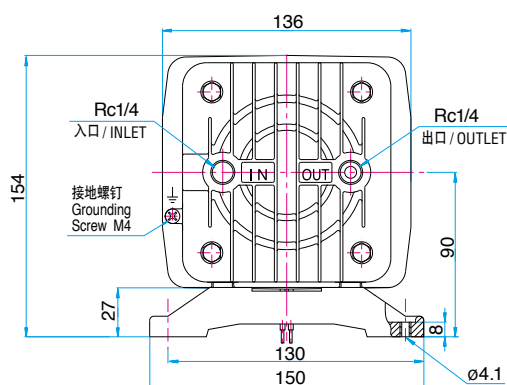
※1: 高于 -93.3 kPa (串联) 或 -80 kPa (并联) 运转时需要进气管路上加装一个放气阀或泄压阀。
Operations at higher than -93.3 kPa in series or -80 kPa in parallel need an additional leak valve or relief valve on the inlet piping.
请务必阅读“产品目录使用指南”，确保正确使用。
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用途例 / Application Examples



* 空气管路连接需由用户进行。 / Air line connection is required by user.

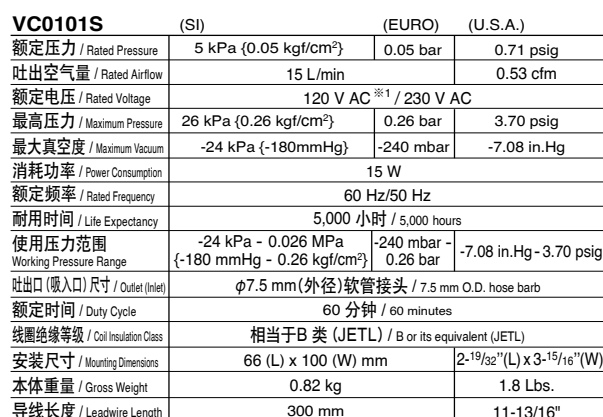
外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)



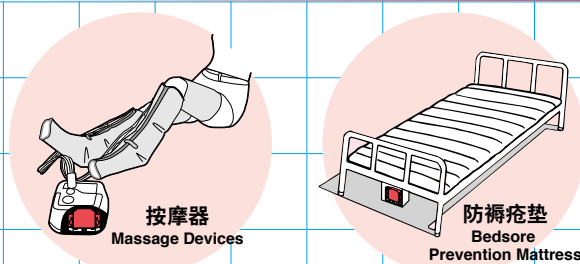


vc0101s 兼用型 Dual Type

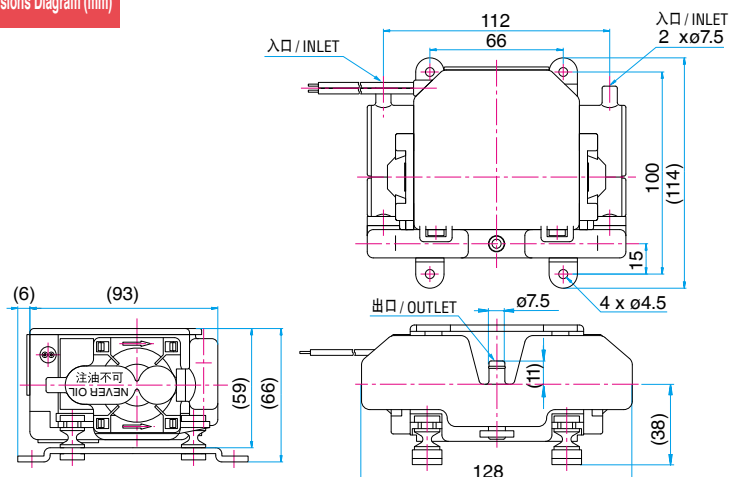
规格 / Specifications



用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)

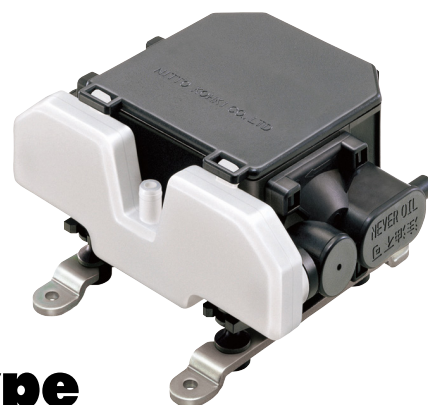


DIAPHRAGM PUMP

隔膜泵 / DIAPHRAGM PUMP

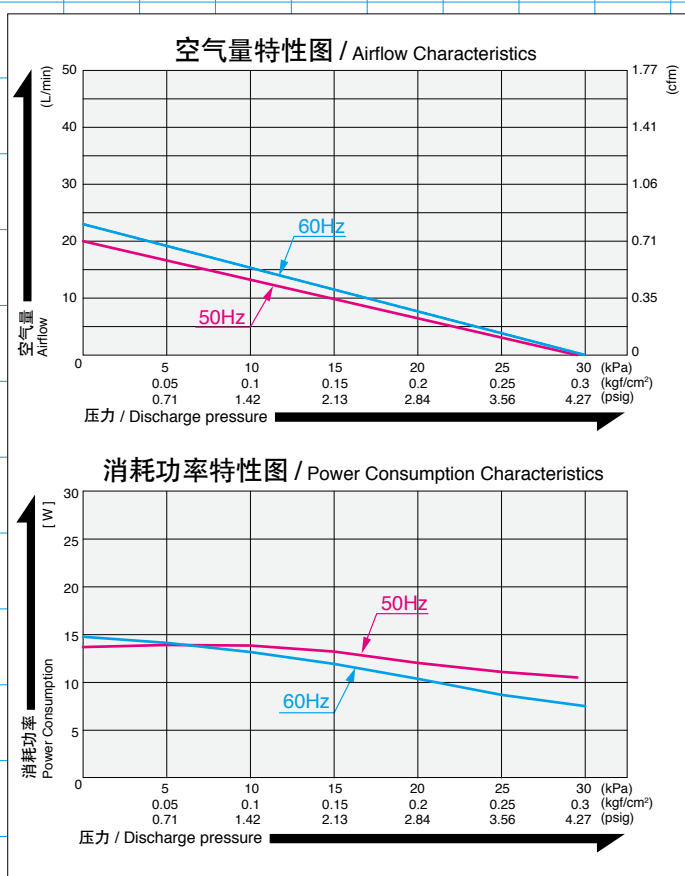


压缩机



VC0101S 曝气机型 Blower Type

空气量和消耗功率 / Airflow & Power Consumption



规格 / Specifications

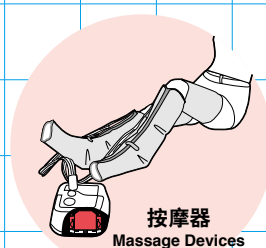
| VC0101S | (SI) | (EURO) | (U.S.A.) |
|---------------------------------|---|-----------------------------|---------------|
| 额定压力 / Rated Pressure | 5 kPa {0.05 kgf/cm²} | 0.05 bar | 0.71 psig |
| 吐出空气量 / Rated Airflow | 15 L/min | | 0.53 cfm |
| 额定电压 / Rated Voltage | 120 V AC ※1 / 230 V AC | | |
| 最高压力 / Maximum Pressure | 26 kPa {0.26 kgf/cm²} | 0.26 bar | 3.70 psig |
| 消耗功率 / Power Consumption | 14 W | | |
| 额定频率 / Rated Frequency | 60 Hz / 50 Hz | | |
| 耐用时间 / Life Expectancy | 5,000 小时 / 5,000 hours | | |
| 使用压力范围 / Working Pressure Range | 0 - 26 kPa {0 - 0.26 kgf/cm²} | 0 - 0.26 bar | 0 - 3.70 psig |
| 吐出口 (吸入口) 尺寸 / Outlet (Inlet) | φ7.5 mm (外径) / 软管接头 / 7.5 mm O.D. hose barb | | |
| 额定时间 / Duty Cycle | 60 分钟 / 60 minutes | | |
| 线圈绝缘等级 / Coil Insulation Class | 相当于B类 (JETL) / B or its equivalent (JETL) | | |
| 安装尺寸 / Mounting Dimensions | 66 mm (L) x 100 mm (W) | 2-19/32" (L) x 3-15/16" (W) | |
| 本体重量 / Gross Weight | 0.83 kg | 1.8 Lbs. | |
| 导线长度 / Leadwire Length | 300 mm | 11-13/16" | |

※1: 无120 V AC UL型式。/ 120 V AC UL version is unavailable.

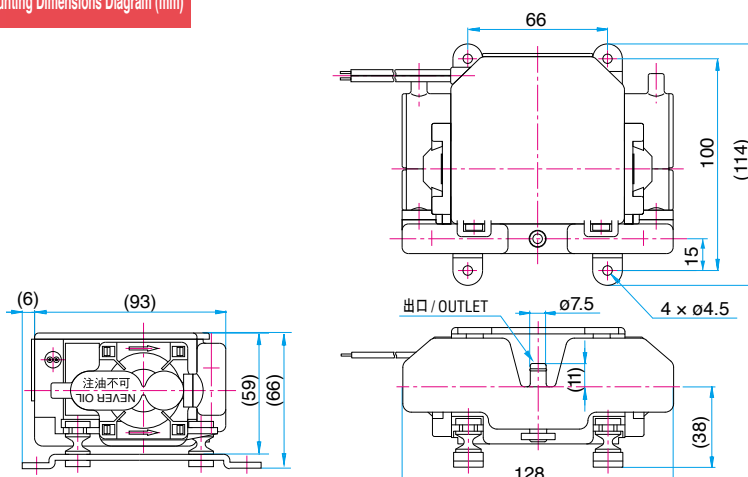
请务必阅读“产品目录使用指南”，确保正确使用。

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用途例 / Application Examples



外形及安装尺寸图 (mm) / Sketch Drawing and Mounting Dimensions Diagram (mm)





日东工器

空气压缩泵和真空泵

NITTO KOHKI's Air Compressors & Vacuum Pumps



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▲ To use your unit properly, be sure to carefully read the "instructions" before use.
★ The information contained in this catalog is as of October 2013 and subject to change with or without notice.