



**SUPER**  
塑寶牌

塑寶®

可空轉

# TD/STD型立式耐酸鹼泵浦

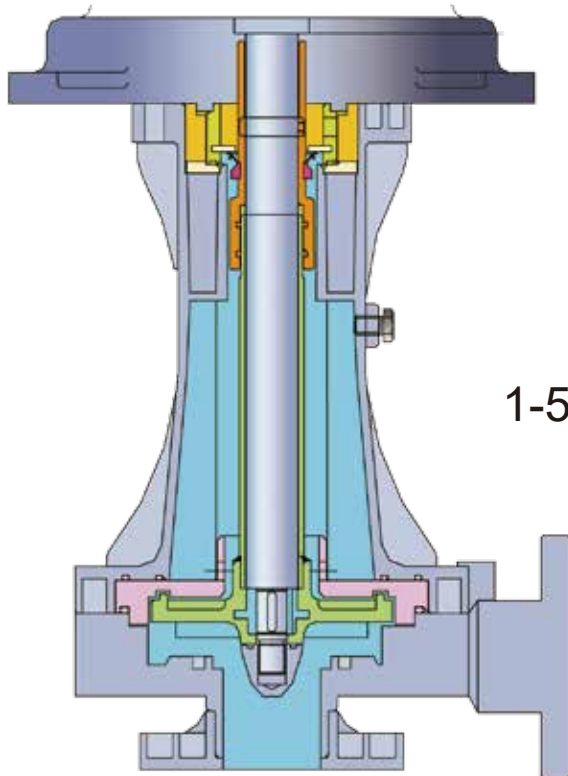
WET/DRY RUNNING VERTICAL PUMPS



**SUPER PUMPS**

# TD

## Single impeller、單葉輪、Single vapor seal、單軸封

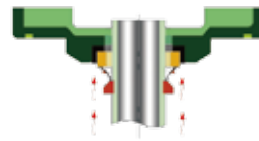


1-5HP

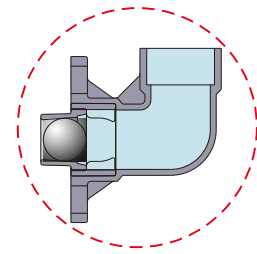
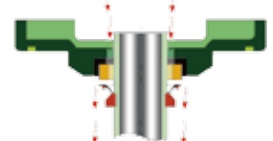
The unique vapor seal is opened by centrifugal force when pump is operating. This eliminates friction and seal wear. The seal closes back up when the pump shuts down to prevent vapor or fluid from reaching the motor face or bearings.

當泵浦開始運轉時，乾式軸封因離心力而打開，避免其磨損，泵浦停機時，軸封回復原位而閉鎖，防止酸氣或藥水腐蝕軸承。

Stopped  
停機時



normal running  
運轉中



**出口逆止彎頭**

出口逆止閥獨創設計防止溢流。

**Outlet Elbow**

Outlet union prevent overflow.

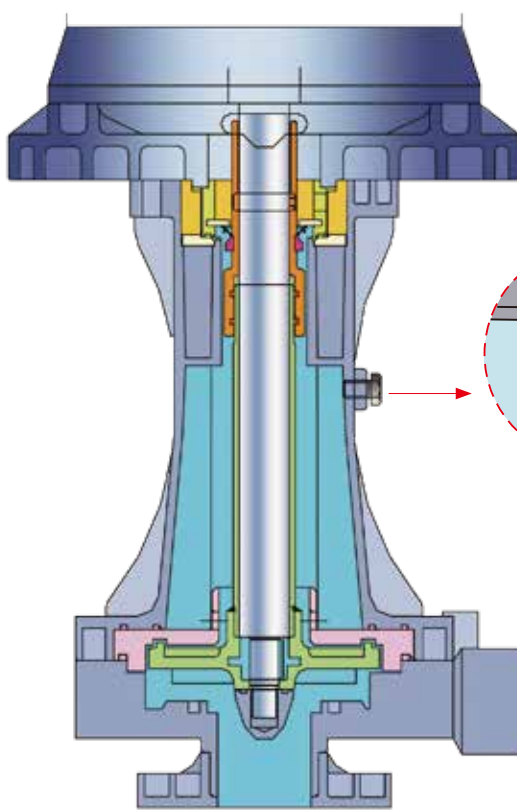
台灣新型第 M 299802 號

中國專利 實用新型

第 ZL 2006 2 0025929.0 號

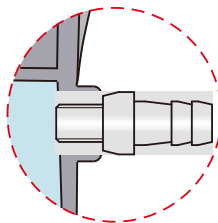
名稱：化學用直立式幫浦出口

管逆止閥結構改良。



7.5-10HP

※When resistance of outlet is big. Suggest overflow joint collocated tube.



※出口阻力大時，建議改裝溢流接頭配上軟管長期排放至槽內。

Extra diameter impeller enables high pressure discharge. More suitable for frequency 50Hz area or higher pressure applications.

超大型的葉輪外徑，提供源源不絕的高壓力輸出，更適合於電壓50Hz地區，或需求更高壓力之應用場合的需求。

The impeller welded by welding rod may deform or collapse in high temperature, pressure and strong corrosion applications. Embedded design eliminates this problem.

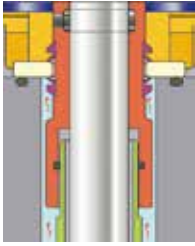
以焊條焊接之葉輪於高溫高壓及高腐蝕力的嚴苛工作條件下，容易變形脫落，嵌入式並多點熱熔的葉輪一舉克服此一缺點。

Brand-new replaceable rear cover may save much cost while the pump head need to be replaced or changed material.

全新的可換後蓋設計，於更換泵體材質時，不需更換整個主體，或於主體損壞時，可能僅需更換可換後蓋即可，大量地節省維修費用，且防漏效果更佳。

# STD

## Single impeller、單葉輪、Double vapor seal、雙軸封



Double vapor seals  
Analytical cross section  
雙軸封泵剖面結構

Double Vapor Seals Design  
\*Reducing the air from the top.  
\*No leakage caused by high pressure when pump stops.  
\*No acid vapor reaching the bearing.

雙乾式軸封設計，直立泵的一大突破  
\*減少從頂部吸入之空氣  
\*不怕反壓而引起洩漏  
\*隔離藥液中的酸氣，不會腐蝕軸承

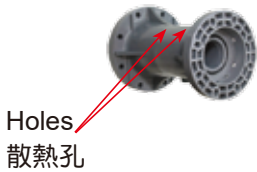


### Design for higher pressure demand.

Double seals protect the motor and bearing perfectly all the way. It can really stop the overflow due to higher pressure in running or flow-back while pump shut down.

### 合乎更高壓力需求的設計

STD機型優異的新型雙軸封設計，防漏及防酸氣腐蝕的效果超強，當泵內壓力提高時，可嚴密阻擋溢流之藥水，不怕停機時液體回流而洩漏，損壞泵浦。



Holes  
散熱孔

### Heat sink design.

The 8 holes sink the heat caused by seal friction.

細心的散熱設計  
機型主體有多個散熱孔設計，使在運轉中的熱量自然排出，保護主體不受熱變型。

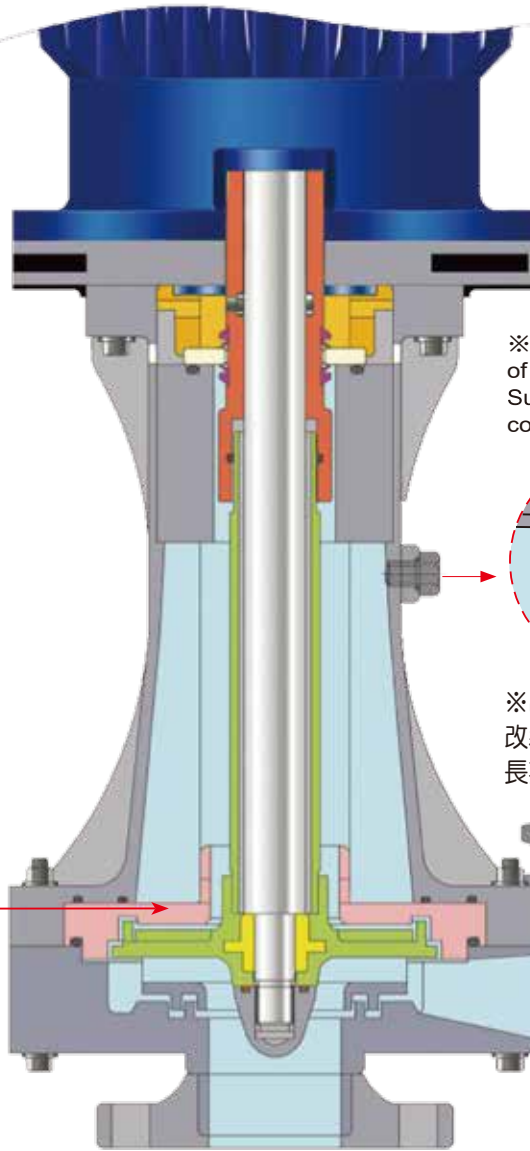


Replaceable rear cover  
可分解易拆的可換後蓋

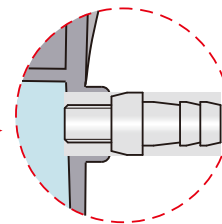
Innovative replaceable rear cover.  
Non-welded replaceable rear cover processed by NC lathe can eliminate the leakage caused by hollow. Occasionally the bottom surface worn out or you'd like to change the body for different solution, only changing the brand-new replaceable rear cover is enough. It saves your money and seals even better.

### 創新的可換後蓋設計

TD/STD新設計可換後蓋組合式，以O環全部密封，O環溝經NC車床加工表面平整細緻，O環覆蓋於溝中，不易洩漏，無任何焊接點。  
全新的可換後蓋設計，於更換泵體材質或主體損壞時，僅需更換可換後蓋即可，節省維修費用且防漏效果更佳。



※When resistance of outlet is big. Suggest overflow joint collocated tube.



※出口阻力大時，建議改裝溢流接頭配上軟管長期排放至槽內。



Enlarged ceramic. Enlarged ceramic sinks the seat caused by seal friction.

加厚加大的陶瓷面積  
機型有大體積的陶瓷面，當長時間的運轉磨擦時，可使磨擦熱量經大面積的陶瓷散熱。

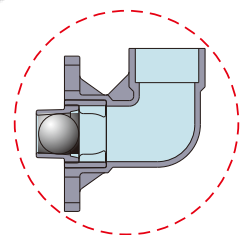


### Strong Embedded impeller.

Welded shores enable the impeller stronger for higher temperature and pressure applications.

### 堅固的嵌入式葉輪

本公司之嵌入式葉輪，搭配大量之固定柱，並熱熔密合，大大地提昇了葉輪的牢固程度，可抗高溫，高壓，不易損壞。



### 出口逆止彎頭

出口逆止閥獨創設計防止溢流。

### Outlet Elbow

Outlet union prevent overflow.

台灣新型第 M 299802 號

中國專利 實用新型

第 ZL 2006 2 0025929.0 號

名稱：化學用直立式幫浦出口管逆止閥結構改良。

## MODEL IDENTIFICATION

### 型號說明

|           |          |           |           |          |          |          |          |          |          |          |          |           |           |
|-----------|----------|-----------|-----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|
| <b>TD</b> | <b>-</b> | <b>50</b> | <b>SK</b> | <b>3</b> | <b>6</b> | <b>-</b> | <b>V</b> | <b>F</b> | <b>O</b> | <b>N</b> | <b>-</b> | <b>H</b>  | <b>O</b>  |
| <b>1</b>  |          | <b>2</b>  | <b>3</b>  | <b>4</b> | <b>5</b> |          | <b>6</b> | <b>7</b> | <b>8</b> | <b>9</b> |          | <b>10</b> | <b>11</b> |

- |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>(1) Type機型編號<br/>TD-Single Impellar/Single Seal<br/>單葉輪單軸封<br/>TDS-Single Impellar/<br/>Special Teflon Seal<br/>單葉輪特製Teflon軸封<br/>STD-Single Impellar/Dual Seal<br/>單葉輪雙軸封<br/>TDD-Dual Impellar/Single Seal<br/>雙葉輪單軸封<br/>STDD-Dual Impellar/Dual Seal<br/>雙葉輪雙軸封</p> <p>(2) In/Outlet Dia.出口口徑<br/>40-1-1/2" 50-2" 65-2-1/2"<br/>80-3" 100-4" 125-5"<br/>150-6"</p> <p>(3) Sp Gravity比重<br/>SK-1.1<br/>SA-大流量<br/>SH-高壓低流量</p> | <p>(4) Power馬力<br/>1-1HP, 2-2HP<br/>3-3HP, 5-5HP<br/>7.5-7.5HP, 10-10HP<br/>15-15HP 20-20HP</p> <p>(5) Frequency頻率<br/>5-50Hz 6-60Hz</p> <p>(6) O-Rings O環<br/>V-VITON N-NBR<br/>E-EPDM H-HV</p> <p>(7) Pump Material泵體材質<br/>F-FRPP, K-PVDF<br/>C-CPVC, P-CFRPP</p> <p>(8) Internal Installation<br/>I-槽內安裝<br/>External Installation<br/>O-槽外安裝</p> | <p>(9) Model規格<br/>S-Special/特殊規格<br/>A-Special Seal/特制軸封<br/>N-Standard/標準規格<br/>P-Custom Plate<br/>/特殊外加板</p> <p>(10) Over-Flow<br/>H-Valve/Hose<br/>加裝溢流排氣軟管<br/>C-Over-Flow Viewer<br/>加溢流逆止視流器<br/>P-Over-Flow Packing<br/>加裝溢流逆止甩圈<br/>O-Plug Screw<br/>堵住螺絲</p> <p>(11) O-Round Motor Plate<br/>電機圓托<br/>M-Square Motor Plate<br/>電機方托<br/>Y-永磁電機</p> |
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- 採用FRPP, CPVC, CFRPP, PVDF 各種塑鋼材料射出成型可抵抗大部份的化學性，耐酸、耐鹼。
- 適合各種酸鹼液循環，冷卻，噴洗設備，廢氣塔、蝕刻機、廢水處理使用。
- 可空運轉使用，絕不因空運轉而損壞。
- 有乾式軸封設計，可保護馬達防止酸氣進入損壞培林。
- 適合無電解鍍化學銅及各種特殊電鍍液之循環輸送。
- 可配合過濾器連接使用。(請參閱操作說明書之安裝規定)
- Molded parts are out of FRPP, CPVC, CFRPP, PVDF applicable for various chemicals.
- Suitable for chemical circulation, cooling, spraying, PCB etching, waste water and scrubber applications.
- Can run-dry without damage.
- Single vapor seal prevents corrosive vapor from entering the bearing.
- Ideal for use in electroless nickel or copper plating and various solution circulation applications.
- Ideal for use in combination with filter. (Refer to the examples in manual.)

## SPECIFICATIONS PERFORMANCE CHART

### 規格/性能曲線

※ 重量/性能以實物為準

Weight / Performance Is For Reference Only Actual Product May Vary

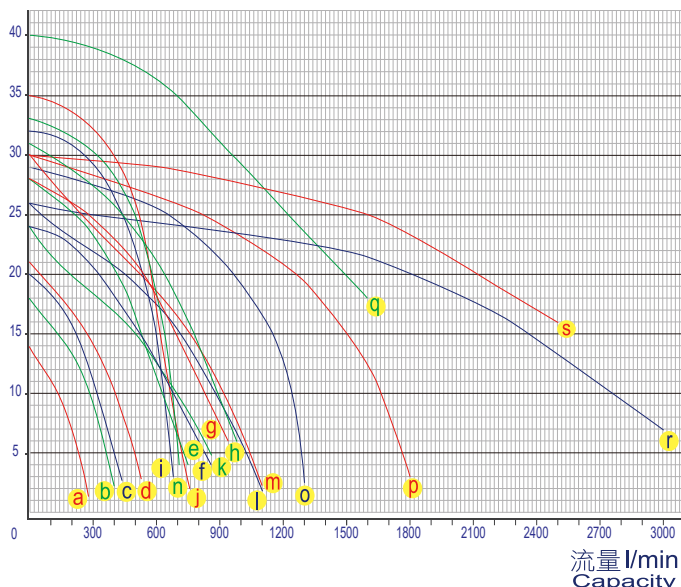
(測試流體：水 比重1.0)

Test Fluid : Water Sp.Gravity 1.0

| Model<br>型 式 | SP.G<br>比 重 | In/Outlet<br>進出口徑<br>(mm) | Power馬力 |     |         | 50Hz    |              |                  | 60Hz       |              |                  | Weight<br>重 量kg<br>(參考值) |
|--------------|-------------|---------------------------|---------|-----|---------|---------|--------------|------------------|------------|--------------|------------------|--------------------------|
|              |             |                           | 相數Phase | HP  | 極數 Pole | Curve曲線 | Max.Head全揚程M | Max.Flow全流量L/min | Curve曲線    | Max.Head全揚程M | Max.Flow全流量L/min |                          |
| 40SK-1       | 1.1         | 50X40                     | 3ø      | 1   | 2       | a       | 14           | 280              | A          | 13           | 250              | 29                       |
| 40SK-2       | 1.1         | 50X40                     | 3ø      | 2   | 2       | b       | 18           | 400              | B          | 21           | 320              | 38                       |
| 40SK-3       | 1.1         | 50X40                     | 3ø      | 3   | 2       | c       | 20           | 420              | C          | 26           | 390              | 41                       |
| 50SK-3       | 1.1         | 65X50                     | 3ø      | 3   | 2       | d       | 21           | 530              | D          | 20           | 450              | 41                       |
| 50SK-5       | 1.1         | 65X50                     | 3ø      | 5   | 2       | e       | 28           | 750              | E          | 32           | 540              | 55                       |
| 65SK-5       | 1.1         | 80X65                     | 3ø      | 5   | 2       | f       | 24           | 860              | F          | 28           | 700              | 55                       |
| 65SK-7.5     | 1.1         | 80X65                     | 3ø      | 7.5 | 2       | g       | 28           | 940              | G          | 33           | 900              | 95                       |
| 65SK-10      | 1.1         | 80X65                     | 3ø      | 10  | 2       | h       | 31           | 980              | H          | 37           | 1000             | 106                      |
| 65SH-7.5     | 1.1         | 80X65                     | 3ø      | 7.5 | 2       | i       | 32           | 680              |            |              |                  | 95                       |
| 65SH-10      | 1.1         | 80X65                     | 3ø      | 10  | 2       | j       | 35           | 760              |            |              |                  | 106                      |
| 80SA-5       | 1.1         | 80X80                     | 3ø      | 5   | 2       | k       | 24           | 860              | 黃色部份為大流量規格 |              |                  | 60                       |
| 80SA-7.5     | 1.1         | 80X80                     | 3ø      | 7.5 | 2       | l       | 26           | 1100             |            |              |                  | 96                       |
| 80SA-10      | 1.1         | 80X80                     | 3ø      | 10  | 2       | m       | 30           | 1100             |            |              |                  | 106                      |
| 80SH-10      | 1.1         | 80X80                     | 3ø      | 10  | 2       | n       | 33           | 710              |            |              |                  | 106                      |
| 100SA-10     | 1.1         | 100x100                   | 3ø      | 10  | 2       | o       | 29           | 1300             | O          | 30           | 1300             | 102                      |
| 100SA-15     | 1.1         | 100x100                   | 3ø      | 15  | 2       | p       | 30           | 1800             | P          | 38           | 1600             | 114                      |
| 100SH-15     | 1.1         | 100x100                   | 3ø      | 15  | 2       | q       | 40           | 1600             |            |              |                  | 114                      |
| 125SA-15     | 1.1         | 125X125                   | 3ø      | 15  | 2       | r       | 26           | 3000             | V          | 38           | 1720             | 115                      |
| 125SA-20     | 1.1         | 125X125                   | 3ø      | 20  | 2       | s       | 30           | 3000             | X          | 39           | 1850             | 125                      |

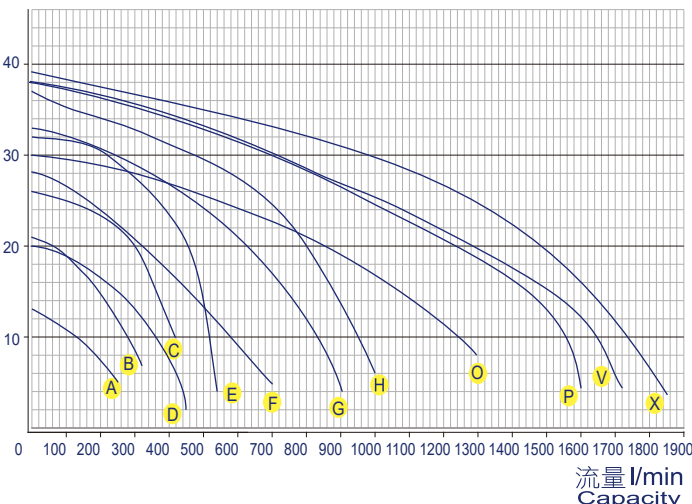
揚程M  
Head

Frequency 頻率: 50HZ



揚程M  
Head

Frequency 頻率: 60HZ



## MODEL IDENTIFICATION 型號說明

**TD - 50 SP 3 6 - V F O N - H O**  
**1 2 3 4 5 6 7 8 9 10 11**

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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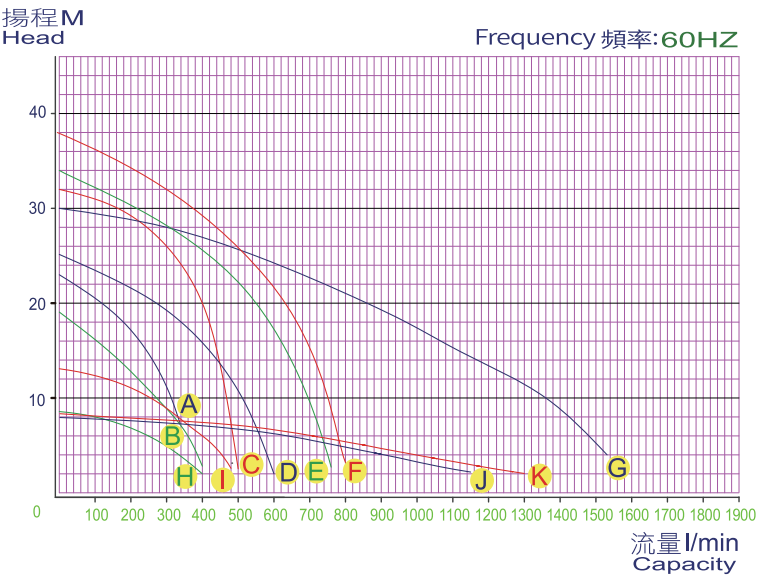
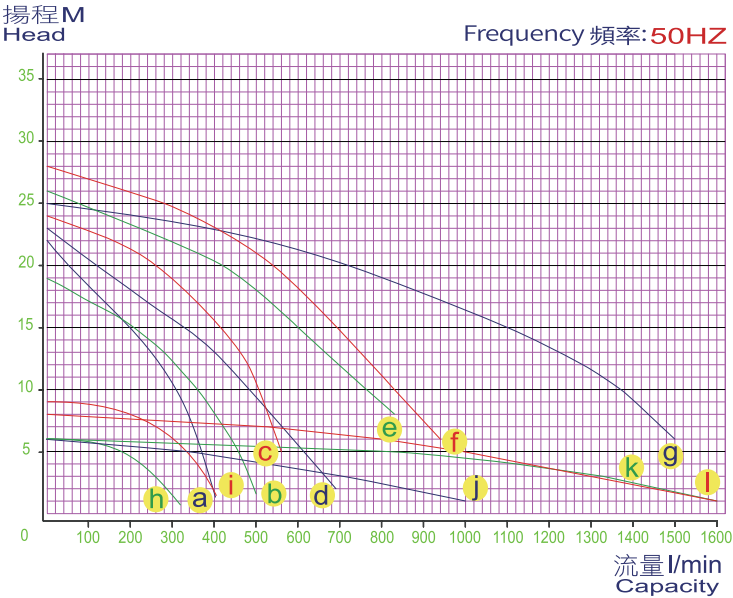
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- 可空運轉使用，絕不因空運轉而損壞。
- 有乾式軸封設計，可保護馬達防止酸氣進入損壞培林。
- 適合無電解鍍化學銅及各種特殊電鍍液之循環輸送。
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- Suitable for chemical circulation, cooling, spraying, PCB etching, waste water and scrubber applications.
- Can run-dry without damage.
- Single vapor seal prevents corrosive vapor from entering the bearing.
- Ideal for use in electroless nickel or copper plating and various solution circulation applications.
- Ideal for use in combination with filter. (Refer to the examples in manual.)

SPECIFICATIONS PERFORMANCE CHART
規格/性能曲線

※ 重量/性能以實物為準
Weight / Performance Is For Reference Only Actual Product May Vary
(測試流體：水 比重1.0)
Test Fluid : Water Sp.Gravity 1.0

| Model<br>型 式 | SP.G<br>比 重 | In/Outlet<br>進出口徑<br>(mm) | 馬力           |     |             | 50Hz        |                   |                       | 60Hz        |                   |                       | Weight<br>重量kg<br>(參考值) |
|--------------|-------------|---------------------------|--------------|-----|-------------|-------------|-------------------|-----------------------|-------------|-------------------|-----------------------|-------------------------|
|              |             |                           | Phase<br>相 數 | HP  | Pole<br>極 數 | Curve<br>曲線 | Max.Head<br>全揚程 M | Max.Flow<br>全流量 L/min | Curve<br>曲線 | Max.Head<br>全揚程 M | Max.Flow<br>全流量 L/min |                         |
| 40SP-3       | 1.4         | 50X40                     | 3ø           | 3   | 2           | a           | 22                | 400                   | A           | 23                | 340                   | 41                      |
| 50SP-3       | 1.4         | 65X50                     | 3ø           | 3   | 2           | b           | 19                | 500                   | B           | 19                | 400                   | 41                      |
| 50SP-5       | 1.4         | 65X50                     | 3ø           | 5   | 2           | c           | 24                | 560                   | C           | 32                | 500                   | 55                      |
| 65SP-5       | 1.4         | 80X65                     | 3ø           | 5   | 2           | d           | 23                | 690                   | D           | 25                | 600                   | 55                      |
| 65SP-7.5     | 1.4         | 80X65                     | 3ø           | 7.5 | 2           | e           | 26                | 830                   | E           | 34                | 760                   | 95                      |
| 65SP-10      | 1.4         | 80X65                     | 3ø           | 10  | 2           | f           | 28                | 940                   | F           | 38                | 800                   | 106                     |
| 100SP-15     | 1.4         | 100x100                   | 3ø           | 15  | 2           | g           | 25                | 1540                  | G           | 30                | 1530                  | 114                     |
| 50SL-1       | 1.4         | 50X50                     | 3ø           | 1   | 4           | h           | 6                 | 320                   | H           | 8.5               | 400                   | 30                      |
| 80SL-2       | 1.4         | 80X80                     | 3ø           | 2   | 4           | i           | 9                 | 400                   | I           | 13                | 480                   | 40                      |
| 100SP-2      | 1.4         | 100x100                   | 3ø           | 2   | 4           | j           | 6                 | 1000                  | J           | 8                 | 1150                  | 45                      |
| 125SP-2      | 1.4         | 125X125                   | 3ø           | 3   | 4           | k           | 6                 | 1600                  | K           | 9                 | 1300                  | 46                      |
| 125SP-3      | 1.4         | 125X125                   | 3ø           | 3   | 4           | l           | 8                 | 1600                  | L           |                   |                       |                         |



|                                                                                                                |                                                                                                                   |                                                                                                                                            |                                                                                                                                                   |                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1<br>馬達<br>Motor<br><br>FC/Alu | 2<br>軸心鍵<br>Shaft Pin<br><br>SUS | 3<br>軸封蓋<br>Dry Seal Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF | 4<br>軸封蓋O環<br>Dry Seal Cover<br>O-ring<br><br>NBR/VITON/<br>EPDM | 5<br>乾式軸封<br>Dry Seal<br><br>NBR/VITON |
|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                        |                                                                                                                               |                                                                                                                                                 |                                                                                                                                                  |                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 6<br>軸套螺絲<br>Shaft Sleeve<br>Screw<br><br>1~5HP<br>SUS | 7<br>軸套<br>Shaft Sleeve<br><br>1~5HP<br>FRPP | 7B<br>軸套O環<br>Shaft Sleeve<br>O-ring<br><br>NBR/VITON/<br>EPDM | 7C<br>軸套內O環<br>Shaft Sleeve<br>O-ring<br><br>NBR/VITON/<br>EPDM | 8A<br>組合式主體<br>Body<br><br>FRPP/CFRPP<br>CPVC/PVDF |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                             |                                                                                                                                                              |                                                                                                                                                    |                                                                                                                                                  |                                                                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 8A-1<br>可換後蓋O環-2<br>Replaceable Cover<br>O-ring-2<br><br>NBR/VITON/<br>EPDM | 8A-2<br>可換後蓋O環-1<br>Replaceable Cover<br>O-ring-1<br><br>NBR/VITON/<br>EPDM | 8B<br>可換後蓋<br>Replaceable<br>Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF | 8B-1<br>前蓋O環<br>Front Cover<br>O-ring<br><br>NBR/VITON/<br>EPDM | 9<br>主體固定螺絲<br>Body Bolt<br><br>SUS/Titanium |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                            |                                                                                                                                               |                                                                                                                                |                                                                                                                                       |                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 10<br>排放螺絲O環<br>Release Screw<br>O-ring<br><br>NBR/VITON | 11<br>排放螺絲<br>Release Screw<br><br>FRPP/CFRPP<br>CPVC/PVDF | 11A<br>溢流接頭<br>Overflow Joint<br><br>PP/PVC | 12<br>前蓋螺栓<br>Front Cover Bolt<br><br>SUS/Titanium | 13<br>葉輪O環<br>Impeller O-ring<br><br>NBR/VITON/<br>EPDM |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                        |                                                                                                                                         |                                                                                                                                                     |                                                                                                                                              |                                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 14A<br>葉輪<br>Impeller<br><br>FRPP/CFRPP<br>CPVC/PVDF | 14B<br>葉輪<br>Impeller<br><br>FRPP/CFRPP<br>CPVC/PVDF | 15<br>葉輪螺帽墊片<br>Impeller Nut<br>Washer<br><br>NBR/VITON/<br>EPDM | 16<br>葉輪螺帽<br>Impeller Nut<br><br>FRPP/CFRPP<br>CPVC/PVDF | 18A<br>前蓋<br>Front Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF |
|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                    |                                                                                                                                                          |                                                                                                                               |                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| 19<br>排氣閥<br>Air Release<br>Valve<br><br>FRPP/CFRPP<br>CPVC/PVDF | 20<br>排氣閥墊片<br>Air Release<br>Valve Packing<br><br>NBR/VITON/<br>EPDM | 29<br>出口逆止彎頭<br>Outlet Elbow<br><br>PP/PVC | 30<br>接合座<br>Motor Plate<br><br>FRPP |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|

## TD Single impeller 單葉輪 Single vapor seal 單軸封

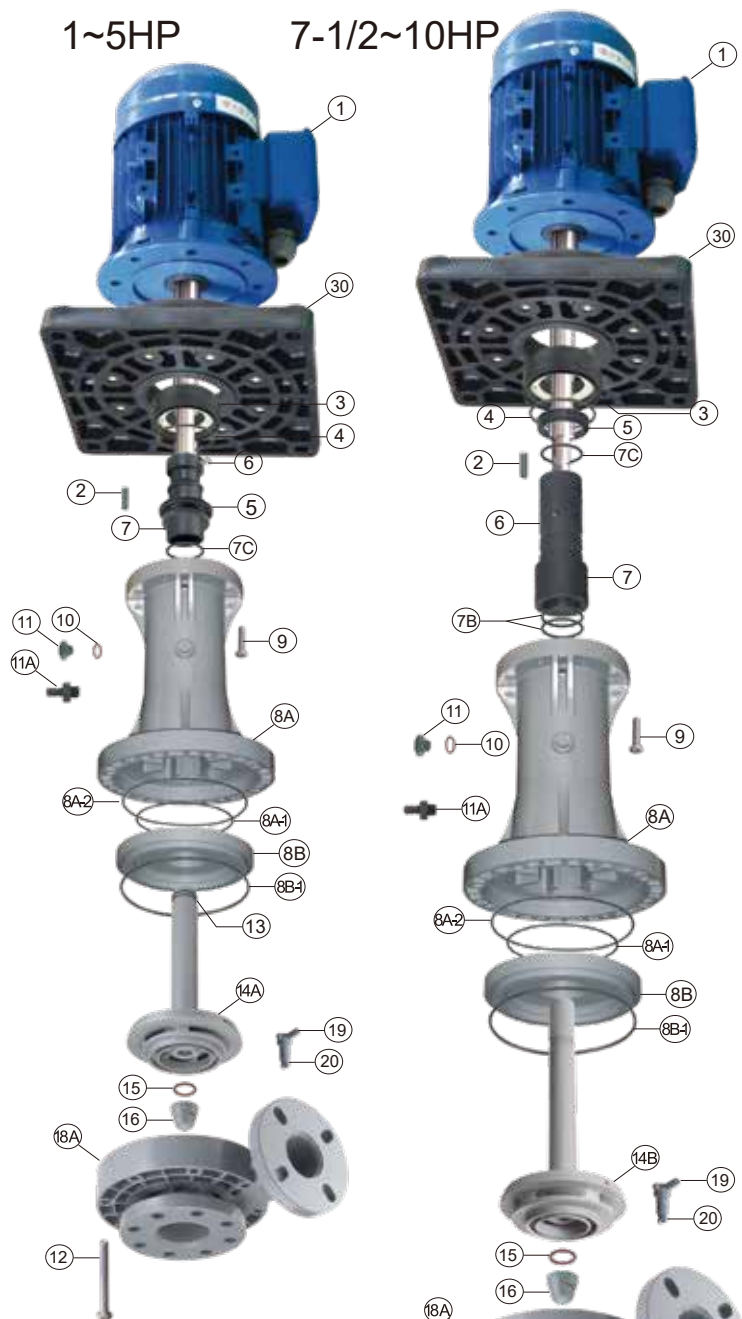


所有本公司三相電源的泵浦都有軸心鍵，當電源接反的時候，葉輪不會掉落，排除了可能對葉輪，罩殼及乾式軸封的損壞。

All 3 phase pumps from Super have a keyed impeller shaft that eliminates the possibility of damage to the impeller, housing or vapor seal if the power is reversed. The impeller will not fall off.

1~5HP

7-1/2~10HP



Part 11A 溢流接頭將停機時溢流導回藥水槽。

Lead the overflow to the tank while shutting down the pump.

Part 8A 主體採用一體射出成型，可以提高強度。

Strong one piece construction.

Part 8B 可換後蓋/可更換不同規格

後蓋和葉輪而得到更高輸出功率

Various replaceable covers

and impellers are available for

different performance.

出口逆止彎頭

出口逆止閥獨創設計防止溢流。

Outlet Elbow

Outlet union prevent overflow.

|                                                                                                                       |                                                                                                                          |                                                                                                                                                    |                                                                                                                            |                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b><br>馬達<br>Motor<br><br>FC/Alu | <b>2</b><br>軸心鍵<br>Shaft Pin<br><br>SUS | <b>3A</b><br>軸封蓋<br>Dry Seal Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>3B</b><br>陶瓷<br>Ceramic<br><br>Ceramic | <b>4</b><br>軸封蓋O環<br>Dry Seal Cover O-ring<br><br>NBR/VITON/<br>EPDM |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                         |                                                                                                                                     |                                                                                                                              |                                                                                                                                                     |                                                                                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5A</b><br>乾式軸封<br>Dry Seal<br><br>NBR/VITON/<br>EPDM | <b>6A</b><br>軸套螺絲<br>Shaft Sleeve Screw<br><br>SUS | <b>7A</b><br>軸套<br>Shaft Sleeve<br><br>FRPP | <b>7B</b><br>軸套O環<br>Shaft Sleeve O-ring<br><br>NBR/VITON/<br>EPDM | <b>8A</b><br>組合式主體<br>Body<br><br>FRPP/CFRPP<br>CPVC/PVDF |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                 |                                                                                                                                                                  |                                                                                                                                                        |                                                                                                                                                      |                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| <b>8A-1</b><br>可換後蓋O環-2<br>Replaceable Cover O-ring-2<br><br>NBR/VITON/<br>EPDM | <b>8A-2</b><br>可換後蓋O環-1<br>Replaceable Cover O-ring-1<br><br>NBR/VITON/<br>EPDM | <b>8B</b><br>可換後蓋<br>Replaceable Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>8B-1</b><br>前蓋O環<br>Front Cover O-ring<br><br>NBR/VITON/<br>EPDM | <b>9</b><br>主體固定螺絲<br>Body Bolt<br><br>SUS/Titanium |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                         |                                                                                                                                                      |                                                                                                                                       |                                                                                                                                              |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>10</b><br>排放螺絲O環<br>Release Screw O-ring<br><br>NBR/VITON/<br>EPDM | <b>11</b><br>排放螺絲<br>Release Screw<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>11A</b><br>溢流接頭<br>Overflow Joint<br><br>PP/PVC | <b>12</b><br>前蓋螺栓<br>Front Cover Bolt<br><br>SUS/Titanium | <b>14</b><br>葉輪<br>Impeller<br><br>FRPP/CFRPP<br>CPVC/PVDF |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                        |                                                                                                                                                     |                                                                                                                                                   |                                                                                                                                                         |                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>15</b><br>葉輪螺帽墊片<br>Impeller Nut Washer<br><br>NBR/VITON/<br>EPDM | <b>16</b><br>葉輪螺帽<br>Impeller Nut<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>18A</b><br>前蓋<br>Front Cover<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>19</b><br>排氣閥<br>Air Release Valve<br><br>FRPP/CFRPP<br>CPVC/PVDF | <b>20</b><br>排氣閥墊片<br>Air Release Valve Packing<br><br>NBR/VITON/<br>EPDM |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                     |                                                                                                                                |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|
| <b>29</b><br>出口逆止彎頭<br>Outlet Elbow<br><br>PP/PVC | <b>30</b><br>接合座<br>Motor Plate<br><br>FRPP |  |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|--|

Part 11A溢流接頭將停機時溢流導回藥水槽。

Lead the overflow to the tank while shutting down the pump.

Part 8A 主體採用一體射出成型，可以提高強度。

Strong one piece construction.

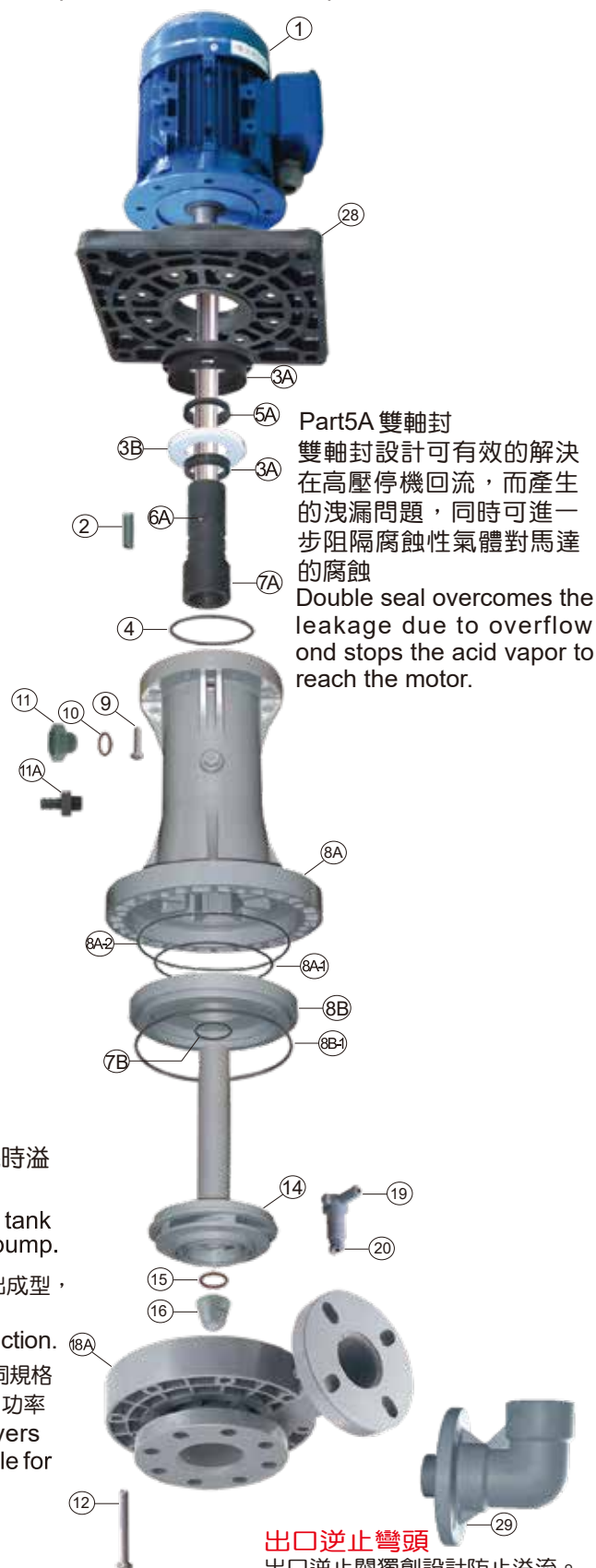
Part8B可換後蓋/可更換不同規格後蓋和葉輪而得到更高輸出功率  
Various replaceable covers and impellers are available for different performance.

## STD Single impeller·單葉輪 Double vapor seal·雙軸封



所有本公司三相電源的泵浦都有軸心鍵，當電源接反的時候，葉輪不會掉落，排除了可能對葉輪，罩殼及乾式軸封的損壞。

All 3 phase pumps from Super have a keyed impeller shaft that eliminates the possibility of damage to the impeller, housing or vapor seal if the power is reversed. The impeller will not fall off.



### Part5A 雙軸封

雙軸封設計可有效的解決在高壓停機回流，而產生的洩漏問題，同時可進一步阻隔腐蝕性氣體對馬達的腐蝕

Double seal overcomes the leakage due to overflow and stops the acid vapor to reach the motor.

### 出口逆止彎頭

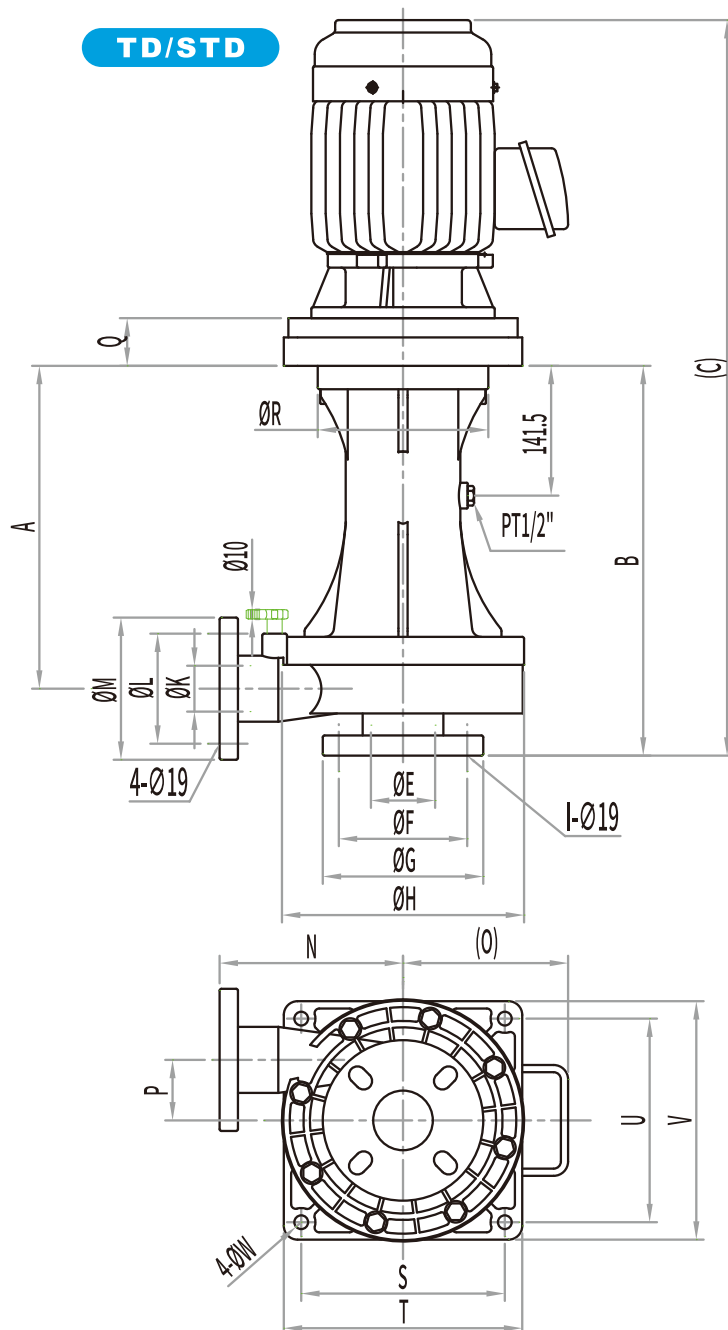
出口逆止閥獨創設計防止溢流。

### Outlet Elbow

Outlet union prevent overflow.

# DIMENSIONS

## 外觀尺寸



DIMENSION 尺寸表

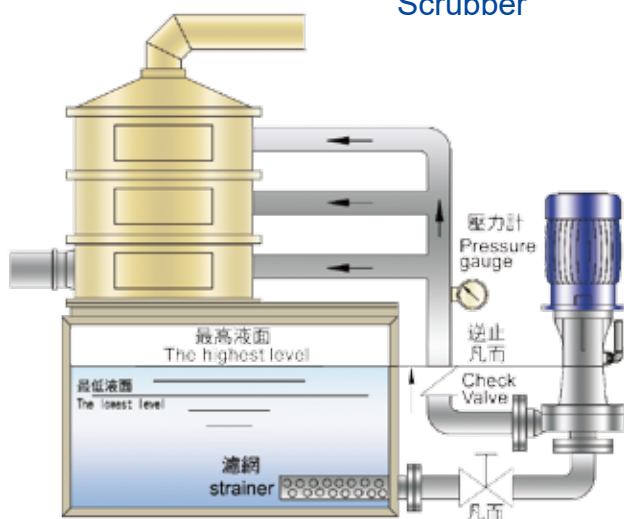
TD/STD-in/out-flange

UNIT(單位):MM

| MODEL          | A   | B   | (C)  | E   | F   | G   | H   | I | K   | L   | M   | N   | (O) | P  | Q  | R   | S   | T   | U   | V   | W  |
|----------------|-----|-----|------|-----|-----|-----|-----|---|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|----|
| 40SK-1         | 352 | 425 | 757  | 50  | 120 | 155 | 230 | 4 | 40  | 105 | 145 | 167 | 180 | 70 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 40SK-2         | 352 | 425 | 802  | 50  | 120 | 155 | 230 | 4 | 40  | 105 | 145 | 167 | 180 | 70 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 40SK/SP-3      | 352 | 425 | 802  | 50  | 120 | 155 | 230 | 4 | 40  | 105 | 145 | 167 | 180 | 70 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 50SK/SP-3      | 352 | 425 | 802  | 65  | 140 | 175 | 265 | 4 | 50  | 120 | 155 | 200 | 180 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 50SK/SP-5      | 352 | 425 | 850  | 65  | 140 | 175 | 265 | 4 | 50  | 120 | 155 | 200 | 215 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 50SL-1         | 352 | 425 | 757  | 65  | 140 | 175 | 265 | 4 | 50  | 120 | 155 | 200 | 180 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 65SK/SP/SA-5   | 352 | 425 | 850  | 78  | 150 | 190 | 265 | 8 | 65  | 140 | 177 | 200 | 215 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 65SK/SP/SA-7.5 | 352 | 425 | 902  | 78  | 150 | 190 | 265 | 8 | 65  | 140 | 177 | 200 | 250 | 66 | 52 | 186 | 300 | 355 | 300 | 355 | 15 |
| 65SK/SP-10     | 352 | 425 | 902  | 78  | 150 | 190 | 265 | 8 | 65  | 140 | 177 | 200 | 250 | 66 | 52 | 186 | 300 | 355 | 300 | 355 | 15 |
| 65SK/SL-2      | 352 | 425 | 802  | 78  | 150 | 190 | 265 | 8 | 65  | 140 | 177 | 200 | 180 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 80SL-2         | 352 | 425 | 802  | 78  | 150 | 190 | 265 | 8 | 78  | 150 | 190 | 200 | 180 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 100SL-3        | 357 | 434 | 811  | 100 | 175 | 210 | 290 | 8 | 100 | 175 | 210 | 216 | 180 | 66 | 52 | 186 | 222 | 260 | 222 | 260 | 15 |
| 100SK-10       | 357 | 434 | 911  | 100 | 175 | 210 | 290 | 8 | 100 | 175 | 210 | 216 | 250 | 66 | 52 | 186 | 300 | 355 | 300 | 355 | 15 |
| 100SK-15       | 357 | 434 | 1001 | 100 | 175 | 210 | 290 | 8 | 100 | 175 | 210 | 216 | 250 | 66 | 52 | 186 | 300 | 355 | 300 | 355 | 15 |
| 100SA-20       | 357 | 434 | 1001 | 100 | 175 | 210 | 290 | 8 | 100 | 175 | 210 | 216 | 250 | 66 | 52 | 186 | 300 | 355 | 300 | 355 | 15 |
| 125SL-3        | 357 | 442 | 819  | 125 | 210 | 250 | 290 | 8 | 125 | 210 | 250 | 227 | 180 | 66 | 52 | 186 | 300 | 255 | 300 | 255 | 15 |

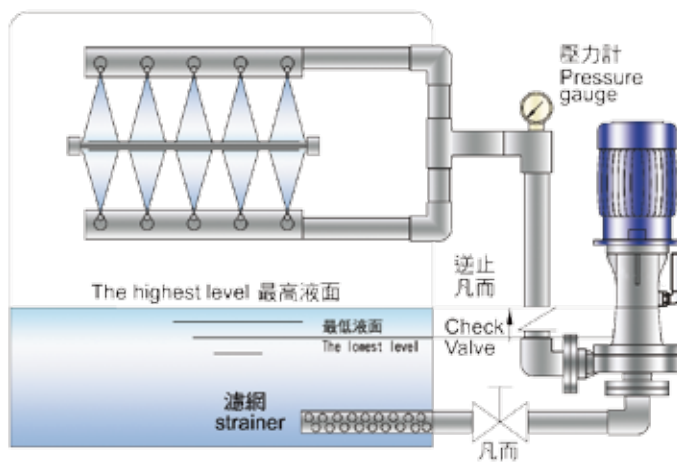
A

廢氣塔  
Scrubber



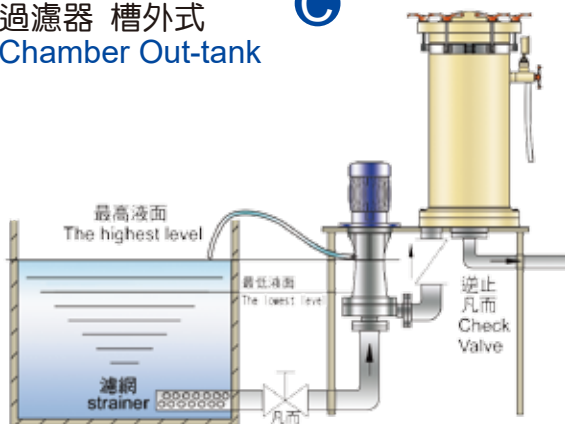
B

PCB 蝕刻  
PCB Etching



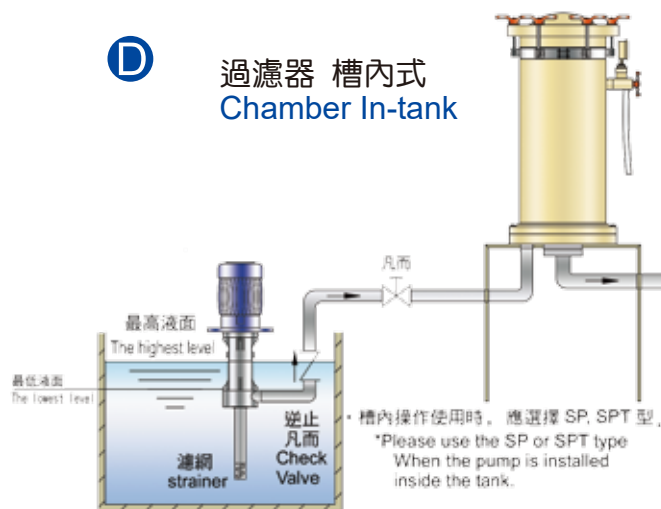
過濾器 槽外式  
Chamber Out-tank

C



D

過濾器 槽內式  
Chamber In-tank



### Cautions:

1. Set a check valve at the outlet of the pump if the outlet pipeline is higher than the pump and may cause back flow. Do not put the check valve higher than the highest liquid level in tank too much.
2. Set a strainer at the end of inlet to keep the pump from being damaged by impurities.  
(The total mesh area of the strainer should be 5 time the pipe area or more.)
3. Please contact our technician if any special demand required. For example, anti-explosion motor.
4. Motor should be anti-corrosion coated for special corrodent environment.
5. When operating two vertical pumps simultaneously, make sure each pump has its own inlet and outlet without sharing. Failure to follow this instruction can cause pump failure and poor efficiency. In the worst situation, this inlet/outlet sharing can cause permanent damage to the pump.

### 注意事項:

1. 出口配管高度，如有高過馬達以上或有逆壓之情形時，請在泵浦出口處裝置逆止閥，裝置位置請勿超過最高液面線太高。
2. 入口處為安全起見，最好裝置過濾網以免吸入雜物損壞泵浦。(濾網孔面積約直徑5倍以上)
3. 在特殊環境下使用時，如需安裝防爆或耐壓防爆之馬達時，請與本公司技術人員商談。
4. 在含有化學氣體之環境下使用時，必需選擇特殊處理有防蝕漆之馬達。
5. 兩台立式泵浦同時運轉，不能共用一支出入口管路，會影響泵浦壽命及性能，嚴重會造成損壞。



逆止凡而  
PP / PVC  
Check Valve



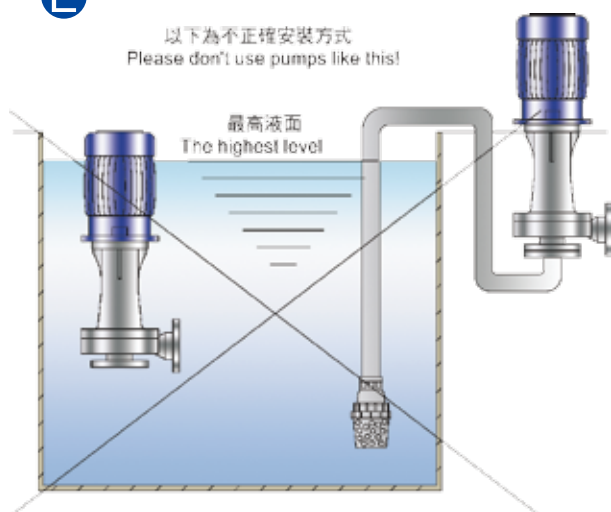
入口濾網  
PP / PVC  
Inlet Stainer

入口三通濾網  
PP / PVC Tee Inlet Stainer

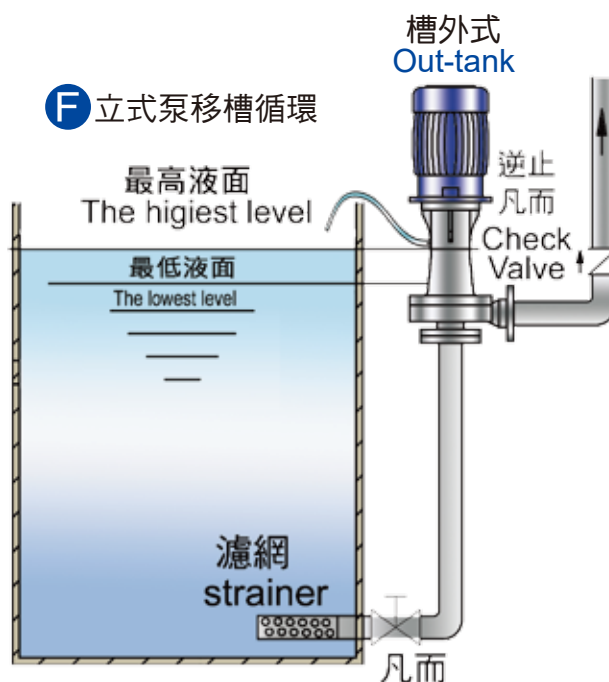


E

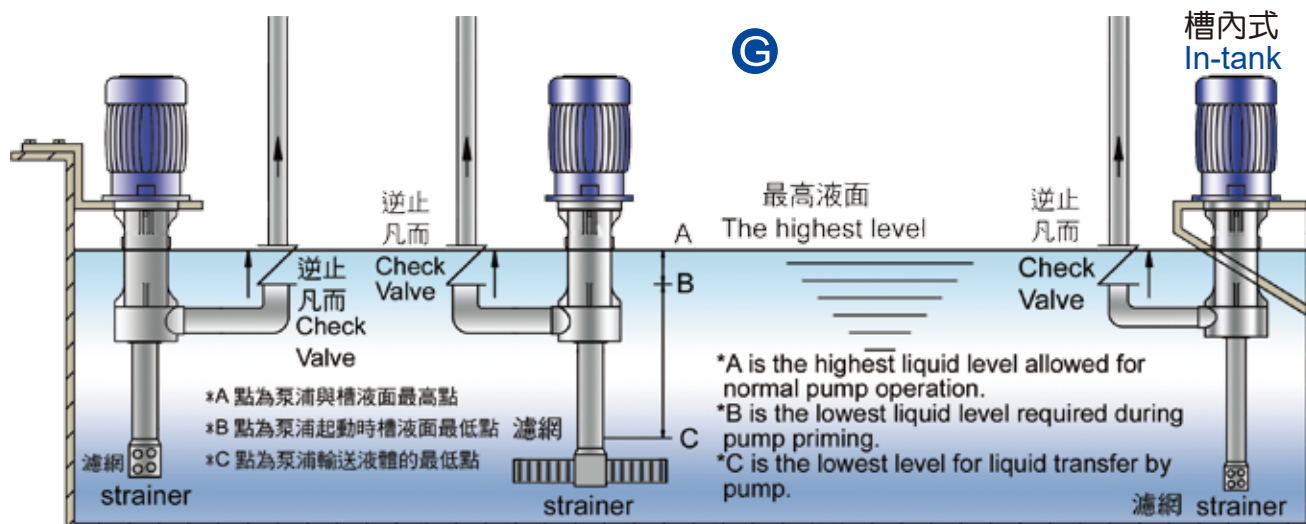
以下為不正確安裝方式  
Please don't use pumps like this!



F 立式泵移槽循環

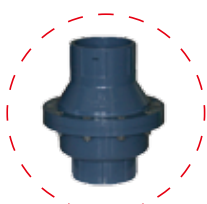


G

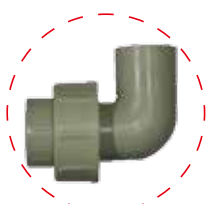


※ 濾網孔面積須大於管徑5倍以上

配件 Accessories



PVC / EPDM / VITON  
擺動式逆止閥  
Swing check valve



SP / SPT 出口彎頭  
PP / CPVC / CFRPP / PVDF  
SP / SPT Elbow Union



PVC / PP 底閥  
PVC / PP Foot Valve



TD / 出口逆止彎頭  
PP / PVC



SPT / TD 機型

FRP 座 / FRP Base  
for SPT / TD series.

TD1~5HP  
長540mm寬340mm高670mm  
TD7.5~10HP  
長550mm寬440mm高730mm



## 總公司

### 昇展實業股份有限公司

台灣省台南市永康區中正南路404巷7號

Tel: 886-6-2534546, 2541601

Fax: 886-6-2534226, 2420509

SUPER GIANT ENTERPRISE CO., LTD.  
No. 7, Lane 404, Chung Cheng South Road, Yen  
Hang, Yung Kang, Tainan, Taiwan,

Tel: 886-6-2534546, 2541601

Fax: 886-6-2534226, 2420509

E-mail: super@superpump.tw

Website: www.superpump.tw

www.chemicalfilter.com.cn



### 上海區 塑寶環保機械

江蘇省太倉市沙溪鎮岳王區

鎮北路16號 215400

Tel: 0512-53303388, 53303398

Fax: 0512-53303588

E-mail: taichang@superpump.cn

Website: www.superpump.cn

### 廣東區 升展機械

廣東省廣州市增城區新塘鎮

民營西二路9號

(遠航科技園B1座二樓)

Tel: 020-82691835, 82602341~3

Fax: 020-82708706

E-mail: singtown@superpump.cn

Website: www.chemicalpump.cn

訂購時請提供下列資料:

1. 藥液條件: 名稱\_\_\_\_\_/溫度\_\_\_\_\_  
濃度\_\_\_\_\_/比重\_\_\_\_\_/黏度\_\_\_\_
2. 需求流量: \_\_\_\_\_ L/min
3. 需求揚程: \_\_\_\_\_ M
4. 馬達: 電壓/頻率

While placing your order...

Please kindly provide us the following information.

1. Chemical: Name\_\_\_\_\_/Concentration\_\_\_\_\_  
Temperature\_\_\_\_\_/Specific Gravity\_\_\_\_\_  
Viscosity\_\_\_\_\_
2. Capacity needed: \_\_\_\_\_ L/min
3. Head needed: \_\_\_\_\_ M
4. Power: Voltage/Frequency