

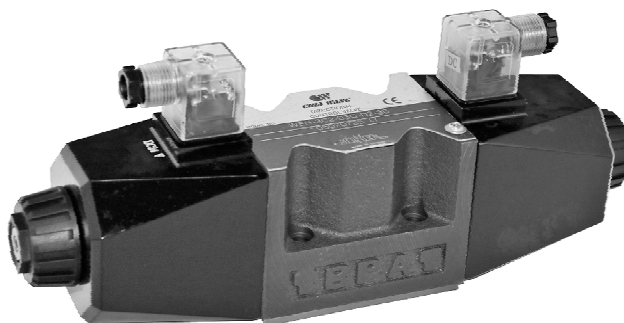
# SOLENOID OPERATED DIRECTIONAL VALVES

WEH SERIES

電磁換向閥

## ◆ MODEL 型 式

WEH-03G



## ◆ FEATURES

- Casting iron valve bodies are provided strength and durability for longer life.
- Internal hardened steel components also provide durable life.

### 特 點

- 閥本體鑄鐵強度夠且持久性，壽命長。
- 內部硬鋼原件提高產品壽命。

## ◆ SPECIFICATIONS 規 格

| Model Number<br>型 式 號 碼       | Maximum Pressure<br>最大壓力 bar | Maximum tank line<br>back pressue<br>最大容許背壓 bar | Maximum tank frequencies<br>of operation<br>最高切換頻率 CPM | Maximum Flow<br>最大流量 lpm | Weight<br>重 量 Kg |
|-------------------------------|------------------------------|-------------------------------------------------|--------------------------------------------------------|--------------------------|------------------|
| WEH-*C*-03G-**-20             | 350 (5076 psi)               | 210 (3045 psi)                                  | 300 CPM                                                | 160 (42.26 gpm)          |                  |
| WEH-*B*-03G-**-20             |                              |                                                 |                                                        |                          |                  |
| WEH-*C*-03G-**-30             |                              |                                                 |                                                        |                          |                  |
| WEH-*B*-03G-**-30             |                              |                                                 |                                                        |                          |                  |
| Fluid Type 流體型式               |                              |                                                 | ISO VG 32 , 46 , 68                                    |                          |                  |
| Viscosity 黏性 cSt              |                              |                                                 | 10~400 (59~1854 SSU)                                   |                          |                  |
| Operating Temperature 操作溫度 °C |                              |                                                 | -15~70 (-5~158°F)                                      |                          |                  |
| Contamination Level 污染標準      |                              |                                                 | ISO4406. 21/19/16 NAS1638,10                           |                          |                  |
| Surface Treatment 表面處理        |                              |                                                 | Zinc Phosphate Compound 鋅 磷酸鹽 化合物                      |                          |                  |

- All screws with metric measure , if require inch measure , please contact us.

所附螺絲皆為公制標準規格品，若需英制螺絲請另外備註說明。

## ◆ HOW TO ORDER 編號說明

|     |     |    |   |    |    |
|-----|-----|----|---|----|----|
| 1   | 2   | 3  | 4 | 5  | 6  |
| WEH | *** | 03 | G | ** | 20 |

### 1 VALVE SERIES 系列名稱

WEH=Solenoid Operated Directional Valves

### 2 SPOOL TYPE 滑柱型式

Detail as next 明細見下頁  
page listed

### 3 SUBPLATE MOUNTING SIZE: 稱呼口徑

03 = 3/8"(9mm)  
ISO CETOP5  
DIN NG 10  
NFPA D05

### 4 CONNECTING TYPE 連接型式

G:TYPE:BASEPLATE MOUNTING TYPE  
G : (板式連接)

### 5 TYPE OF COIL 電磁閥電磁線圈類型

A1 : AC110 60HZ D1 : DC12  
A115 : AC115 50HZ D2 : DC24  
A230 : AC230 50HZ R1 : RF110 60HZ/50HZ  
A2 : AC220 60HZ R2 : RF220 60HZ/50HZ

### 6 WIRING TYPE 接線型式

20: WIRING BOX TYPE 接線盒式  
30: DIN TYPE DIN型

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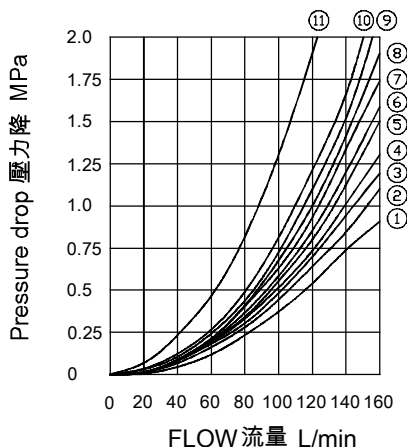
**A**  
**WEH**

## ◆ SOLENOID RATINGS: 電磁定率

| ELECTRIC SOURCE<br>電 源 | COIL TYPE<br>電磁線圈類型 | VOLTAGE (V) 電 壓  |       | CURRENT & POWER AT RATED VOLTAGE<br>最大電壓的電流和電源功率 |                            |                  |
|------------------------|---------------------|------------------|-------|--------------------------------------------------|----------------------------|------------------|
|                        |                     | SOURCE RATED 最大值 | HZ 頻率 | IN-RUSH 啟動電流<br>CURRENT(A)                       | HOLDING 固定電流<br>CURRENT(A) | WATTAGE<br>瓦 特 數 |
| AC                     | A1                  | AC100            | 50    | 6.8                                              | 0.69                       | 60               |
|                        |                     |                  | 60    | 5.9                                              | 0.49                       | 51               |
|                        |                     | AC110            | 60    | 6.5                                              | 0.59                       | 63               |
|                        | A2                  | AC200            | 50    | 3.4                                              | 0.35                       | 84               |
|                        |                     |                  | 60    | 3.0                                              | 0.25                       | 70               |
|                        |                     | AC220            | 60    | 3.3                                              | 0.30                       | 88               |
|                        | A230                | AC220            | 50    | 3.1                                              | 0.32                       | 56               |
|                        |                     | AC230            | 60    | 2.9                                              | 0.26                       | 56               |
|                        |                     | AC240            | 60    | 3.0                                              | 0.27                       | 62               |
|                        | R2                  | AC220            | 50/60 | —                                                | 0.2                        | 38               |
| DC                     | D1                  | DC12             | —     | —                                                | 3.17                       | 38               |
|                        | D2                  | DC24             | —     | —                                                | 1.58                       | 38               |

- Above value based on temperature 30°C, electric voltage allowance 15%.  
以上數據基礎為溫度30°，電壓容許度15%。

## ◆ PERFORMANCE CURVES 性能曲線



| Pressure Drop Curve Number 壓力降曲線編號 |                        |     |     |     |                |     |     |     |     |  |
|------------------------------------|------------------------|-----|-----|-----|----------------|-----|-----|-----|-----|--|
| Spool Type<br>滑柱型式                 | Change Movement<br>切換時 |     |     |     | Neutral<br>中立時 |     |     |     |     |  |
|                                    | P→A                    | B→T | P→B | A→T | P→T            | A→T | B→T | P→A | P→B |  |
| C2                                 | ⑤                      | ③   | ⑤   | ③   | —              | —   | —   | —   | —   |  |
| C3                                 | ⑦                      | ⑩   | ⑦   | ⑩   | ⑧              | ⑧   | ⑧   | ⑥   | ⑥   |  |
| C4                                 | ⑤                      | ⑨   | ⑤   | ⑨   | —              | ④   | ④   | —   | —   |  |
| C5                                 | ⑥                      | ③   | ⑨   | ⑪   | ⑩              | ②   | —   | ⑥   | —   |  |
| C6                                 | ①                      | ⑩   | ①   | ⑩   | ⑪              | —   | —   | —   | —   |  |
| C8                                 | ⑤                      | —   | ⑤   | —   | —              | —   | —   | —   | —   |  |
| C9                                 | ⑥                      | ③   | ⑥   | ③   | —              | —   | —   | ⑦   | ⑦   |  |
| C10                                | ⑤                      | ⑨   | ⑤   | ③   | —              | —   | ④   | —   | —   |  |
| C12                                | ⑤                      | ③   | ⑤   | ⑨   | —              | ④   | —   | —   | —   |  |
| 2B2                                | ⑥                      | ③   | ⑥   | ③   | —              | —   | —   | —   | —   |  |
| 2B3                                | ⑥                      | ⑨   | ⑥   | ⑥   | —              | —   | —   | —   | —   |  |
| 2D2                                | ⑦                      | ③   | ⑦   | ③   | —              | —   | —   | —   | —   |  |

## ◆ SPOOL TYPES 滑柱型式

### SPRING CENTERED 3 POSITIONS 彈簧中心三位置

|                   |                    |                    |                    |
|-------------------|--------------------|--------------------|--------------------|
| <b>WE-3C2</b><br> | <b>WE-3C3</b><br>  | <b>WE-3C4</b><br>  | <b>WE-3C40</b><br> |
| <b>WE-3C5</b><br> | <b>WE-3C6</b><br>  | <b>WE-3C7</b><br>  | <b>WE-3C8</b><br>  |
| <b>WE-3C9</b><br> | <b>WE-3C10</b><br> | <b>WE-3C11</b><br> | <b>WE-3C12</b><br> |

### NO SPRING 2 POSITIONS 無彈簧二位置

|                   |                   |
|-------------------|-------------------|
| <b>WE-2D2</b><br> | <b>WE-2D3</b><br> |
|-------------------|-------------------|

### SPRING 2 POSITIONS 彈簧二位置

|                   |                   |
|-------------------|-------------------|
| <b>WE-2B2</b><br> | <b>WE-2B3</b><br> |
|-------------------|-------------------|

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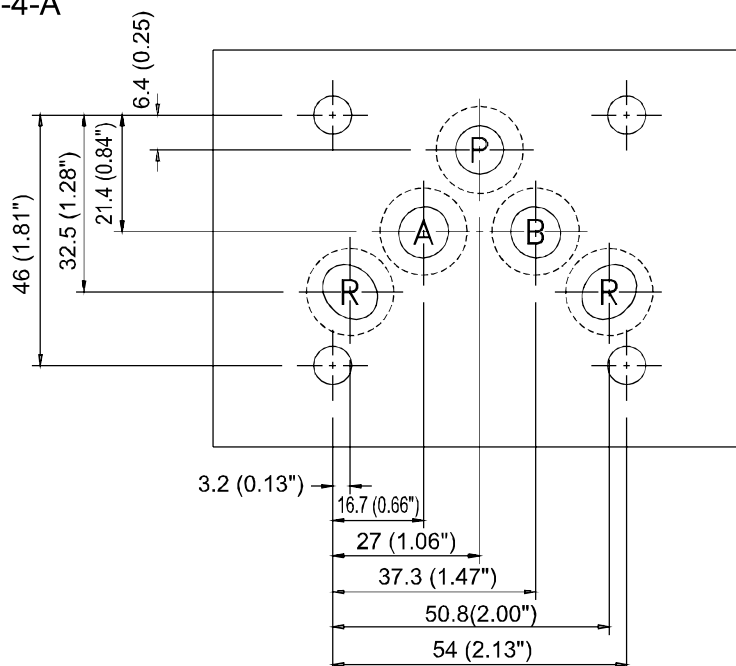
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## 2 POSITIONS二位置

| TYPE<br>類型 | GRAPHIC SYMBOLS<br>圖形符號     |                            | TYPE<br>類型 | TYPE<br>類型 | GRAPHIC SYMBOLS<br>圖形符號     |                            | TYPE<br>類型 |
|------------|-----------------------------|----------------------------|------------|------------|-----------------------------|----------------------------|------------|
|            | STANDARD ASSEMBLAGE<br>標準配置 | REVERSE ASSEMBLAGE<br>反向配置 |            |            | STANDARD ASSEMBLAGE<br>標準配置 | REVERSE ASSEMBLAGE<br>反向配置 |            |
| 2B2A       |                             |                            | 2B2AL      | 2B2B       |                             |                            | 2B2BL      |
| 2B3A       |                             |                            | 2B3AL      | 2B3B       |                             |                            | 2B3BL      |
| 2B4A       |                             |                            | 2B4AL      | 2B4B       |                             |                            | 2B4BL      |
| 2B40A      |                             |                            | 2B40AL     | 2B40B      |                             |                            | 2B40BL     |
| 2B5A       |                             |                            | 2B5AL      | 2B5B       |                             |                            | 2B5BL      |
| 2B6A       |                             |                            | 2B6AL      | 2B6B       |                             |                            | 2B6BL      |
| 2B7A       |                             |                            | 2B7AL      | 2B7B       |                             |                            | 2B7BL      |
| 2B8A       |                             |                            | 2B8AL      | 2B8B       |                             |                            | 2B8BL      |
| 2B9A       |                             |                            | 2B9AL      | 2B9B       |                             |                            | 2B9BL      |
| 2B10A      |                             |                            | 2B10AL     | 2B10B      |                             |                            | 2B10BL     |
| 2B11A      |                             |                            | 2B11AL     | 2B11B      |                             |                            | 2B11BL     |
| 2B12A      |                             |                            | 2B12AL     | 2B12B      |                             |                            | 2B12BL     |

## ◆ Mounting Interface 基座尺寸圖

ISO 4401-AC-05-4-A

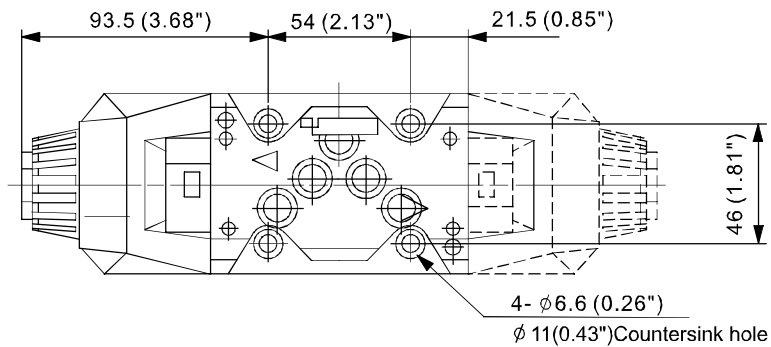


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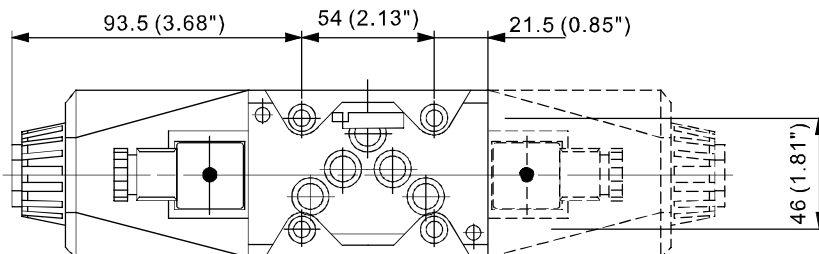
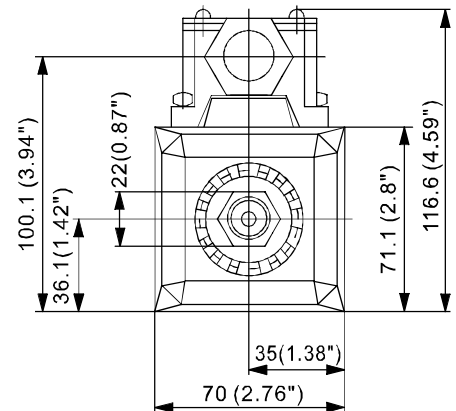
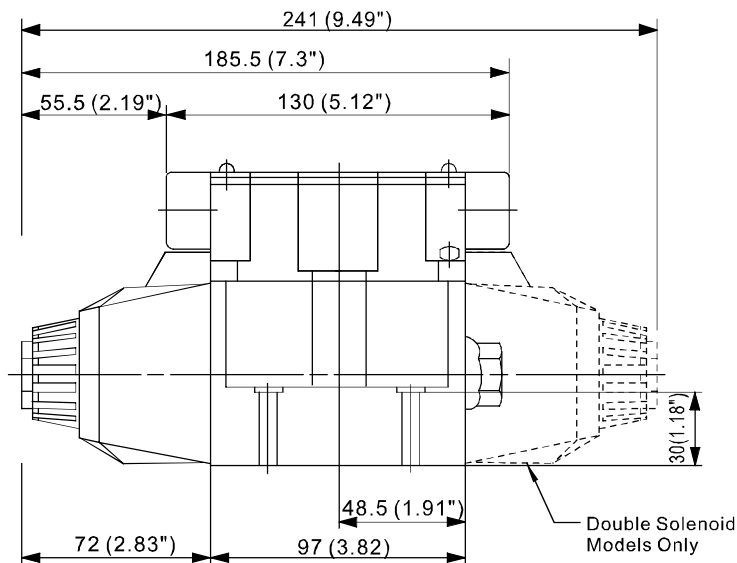
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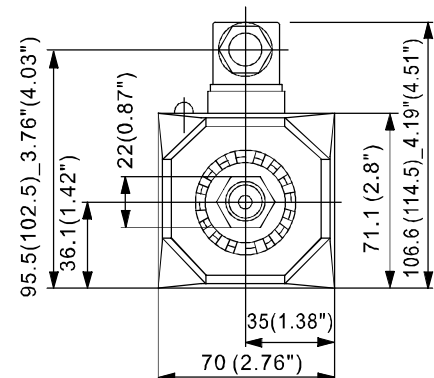
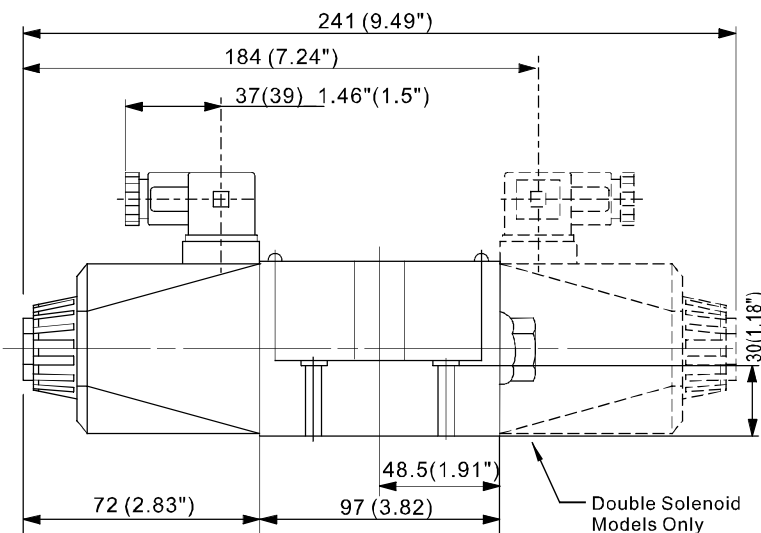
## ◆ DIMENSIONS 外型尺寸圖



WEH-03G-A2-20



WEH-03G-A2-30



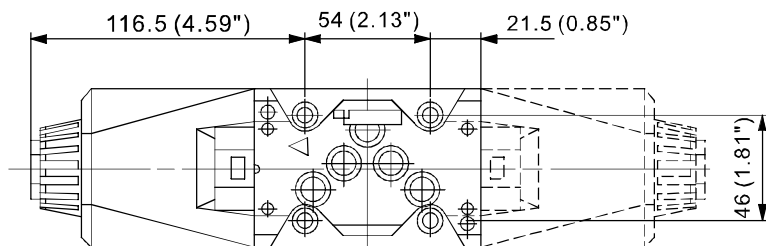
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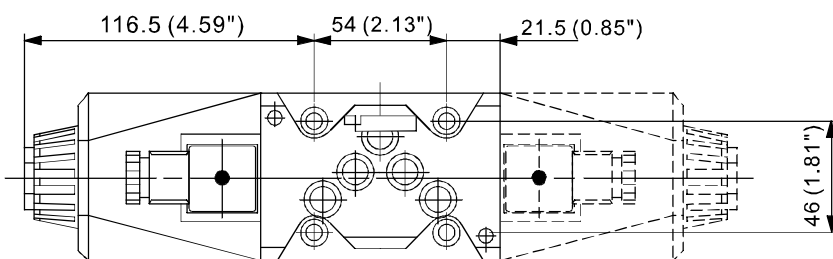
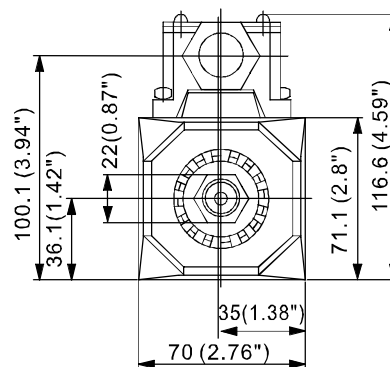
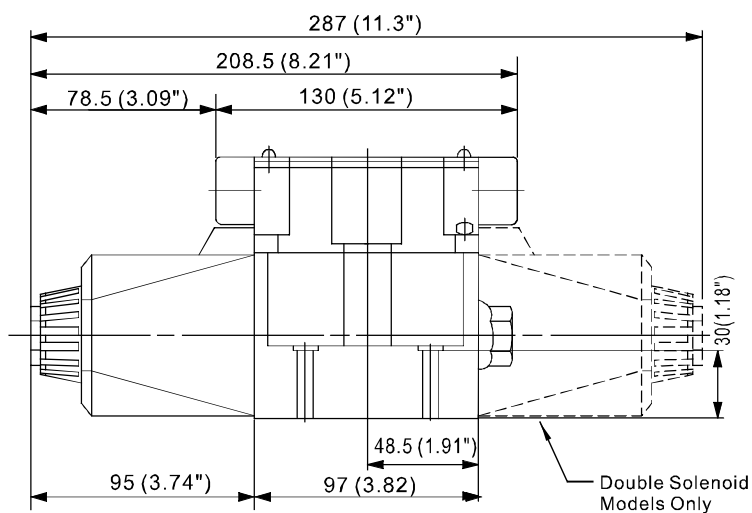
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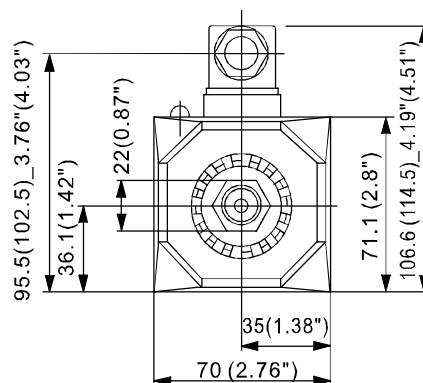
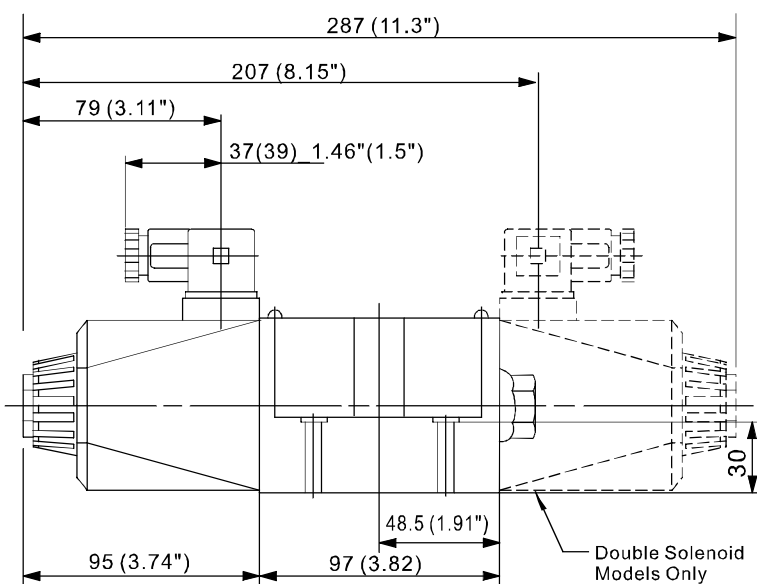
## ◆ DIMENSIONS 外型尺寸圖



WEH-03G-D2-20



WEH-03G-D2-30



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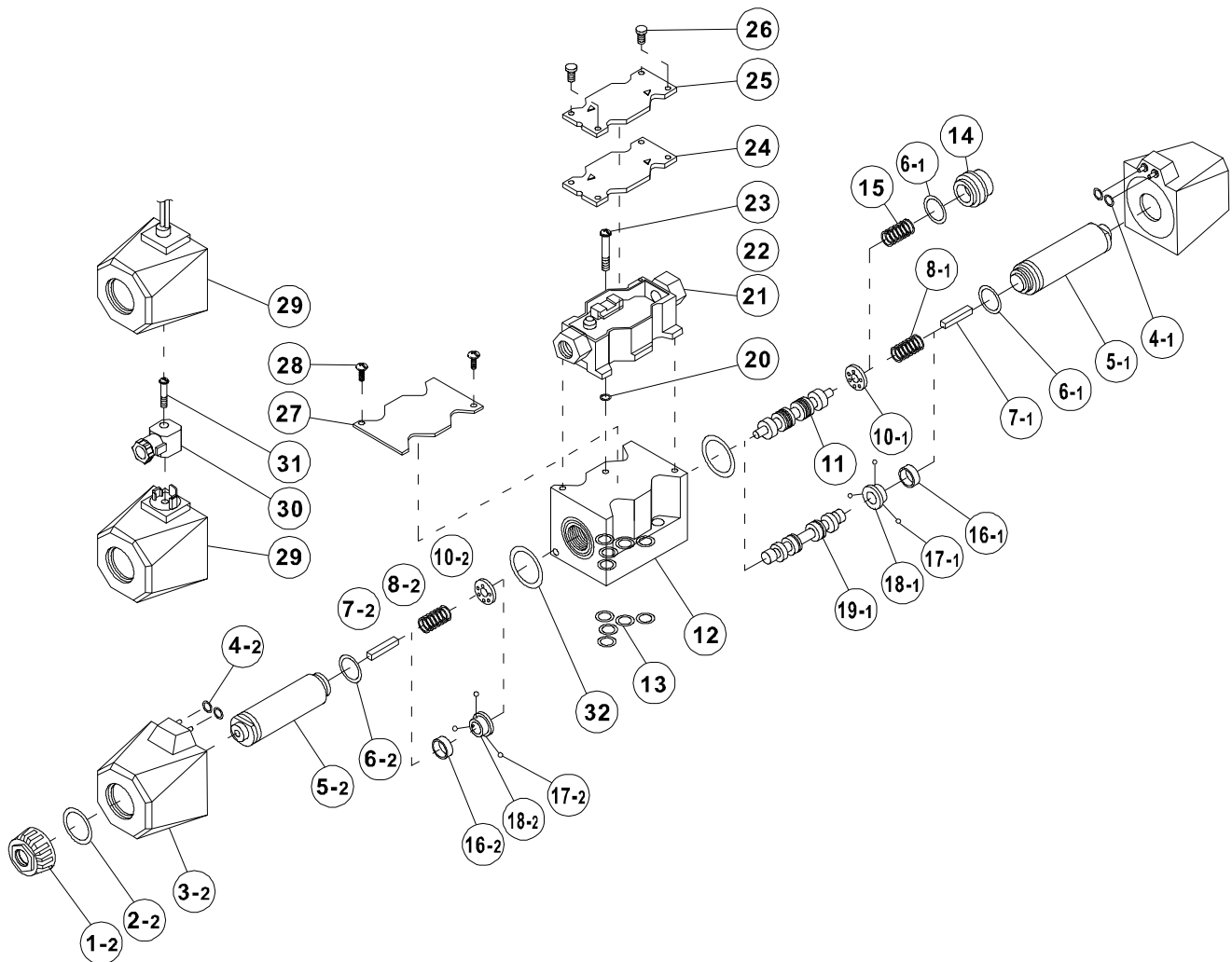
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## ◆ PARTS LIST OF WEH-03G SERIES

零件爆炸視圖



## ◆ SEAL KITS 油封配件

| NO  | Description | Q'ty | Specification |
|-----|-------------|------|---------------|
| 2-2 | O-ring      | 1    | AS216         |
| 4-2 | O-ring      | 1    | P4            |
| 6-2 | O-ring      | 1    | AS-117        |
| 13  | O-ring      | 5    | P12           |
| 20  | O-ring      | 1    | AS-008        |

● For information of subplate please visit our website catalogue \_M02/03/04/06/10, or contact with us.

底板資訊請參考本公司網站目錄\_M02/03/04/06/10,或與本公司聯繫