

# V系列轴向柱塞泵

## V系列可变量轴向柱塞泵

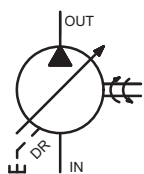
A

1

V系列轴向柱塞泵



1. V型柱塞泵，以独特设计斜盘变化角度功能，广泛应用于各种场所。特殊设计，在全压力区内，保持低噪音性能。
2. 由多种控制方式整合，能形成系统，具有省能源、小型化、低成本功能等优点。
3. 功率损失小、减低油温上升、可选配较小油箱。
4. 广泛应用于工具机、压机、冲床、塑料成形机等。



公称(额定)压力：175 bar

最大压力：250 bar / 6ms

ms=毫秒(1000毫秒=1秒)

### 特性规格表

| 尺寸 | 型式  | 吐出量                  |                      | 当( 7 bar ) 100 PSI时         |       |                             |       | 压力调整范围                                         | 转速          |             | 重量         |            |
|----|-----|----------------------|----------------------|-----------------------------|-------|-----------------------------|-------|------------------------------------------------|-------------|-------------|------------|------------|
|    |     | cm <sup>3</sup> /rev | in <sup>3</sup> /rev | 1500 RPM<br>LPM    U.S. GPM |       | 1800 RPM<br>LPM    U.S. GPM |       | kgf/cm <sup>2</sup>                            | Max.<br>RPM | Min.<br>RPM | KG<br>(LB) |            |
| 1  | V 8 | 8.0                  | 0.48                 | 12.0                        | 3.17  | 14.4                        | 3.8   | 1: 8~70<br>2: 15~140<br>3: 20~210<br>4: 20~250 | 1800        | 500         | 13 (28.6)  |            |
|    | V10 | 10.0                 | 0.61                 | 15.0                        | 3.90  | 18.0                        | 4.76  |                                                |             |             | 13 (28.6)  |            |
|    | V12 | 12.0                 | 0.73                 | 18.0                        | 4.76  | 21.6                        | 5.73  |                                                |             |             | 13 (28.6)  |            |
|    | V15 | 15.0                 | 0.90                 | 22.5                        | 5.78  | 27.0                        | 7.05  |                                                |             |             | 13 (28.6)  |            |
|    | V18 | 17.8                 | 1.09                 | 26.7                        | 7.05  | 32.0                        | 8.45  |                                                |             |             | 13 (28.6)  |            |
| 2  | V23 | 23.0                 | 1.40                 | 35.4                        | 9.11  | 41.4                        | 10.94 |                                                |             |             | 22 (48.4)  |            |
|    | V25 | 25.0                 | 1.52                 | 37.5                        | 9.66  | 45.0                        | 11.60 |                                                |             |             |            |            |
| 3  | V38 | 37.8                 | 2.31                 | 56.7                        | 14.98 | 68.0                        | 17.96 |                                                |             |             |            | 26 (57.2)  |
|    | V42 | 42.0                 | 2.56                 | 63.0                        | 16.23 | 76.0                        | 19.58 |                                                |             |             |            | 26 (57.2)  |
| 4  | V50 | 51.5                 | 3.14                 | 77.2                        | 20.37 | 92.7                        | 24.48 |                                                |             |             |            | 56 (123.2) |
|    | V70 | 69.7                 | 4.25                 | 104.5                       | 27.6  | 125.4                       | 33.10 |                                                |             |             |            |            |

1. 油泵使用安装位置，泄油口朝上，管路背压低于2bar单独回油箱。
2. 最高压力使用，每一循环时间不超过6毫秒。
3. 液压油清洁规范，请参见使用说明书。
4. 油升提供多联油泵，亦可与其他型式油泵联结，链接方式采用标准的公制连接尺寸和SAE尺寸。



| V  | 15   | A    | 3    | R    |      |      | - |    |      |      |      |      |    |      |  |
|----|------|------|------|------|------|------|---|----|------|------|------|------|----|------|--|
| 1  | 2    | 3    | 4    | 5    | 6    | 7    |   | 8  | 9    | 10   | 11   | 12   | 13 | 14   |  |
| 系列 | 规格排量 | 控制型式 | 压力范围 | 旋转方向 | 配管方向 | 轴心型式 |   | 电压 | 配管牙型 | 通轴规格 | 特殊规格 | 连接型式 | 油封 | 设计番号 |  |

## 系列

|   |                                |                                        |   |
|---|--------------------------------|----------------------------------------|---|
| 1 | 高压结构型可变排量轴向柱塞泵<br>公称压力：175 bar | 最大压力：250 bar / 6ms<br>ms=毫秒(1000毫秒=1秒) | V |
|---|--------------------------------|----------------------------------------|---|

## 规格排量

|   |    |                       |      |      |      |      |     |      |      |      |      |      |      |
|---|----|-----------------------|------|------|------|------|-----|------|------|------|------|------|------|
| 2 | 代號 |                       | 8    | 10   | 12   | 15   | 18  | 23   | 25   | 38   | 42   | 50   | 70   |
|   | 尺寸 |                       | 1    |      |      |      |     | 2    |      | 3    |      | 4    |      |
|   | 排量 | cm <sup>3</sup> / rev | 8    | 10   | 12   | 15   | 18  | 23.0 | 25.0 | 37.8 | 42.0 | 51.5 | 69.7 |
|   |    | ln <sup>3</sup> / rev | 0.48 | 0.61 | 0.73 | 0.90 | 1.1 | 1.40 | 1.52 | 2.31 | 2.56 | 3.14 | 4.25 |

## 控制方式

|   |                      |    |   |
|---|----------------------|----|---|
|   | 标准型压力控制              | A  | ※ |
|   | 遥控型压力控制              | G  |   |
|   | 感应压力                 |    |   |
|   | △ A 低壓：7KG           |    |   |
|   | B 中壓：14KG            | HL |   |
|   | C 高壓：21KG            |    |   |
|   | 无段变速，外接油压缸，流量可任意变化控制 | B  |   |
|   | 两段压力，两段流量控制          | C  |   |
|   | 两段压力，两段流量+遥控         | CG |   |
|   | 两段压力，两段流量控制+低压卸除     | CR |   |
|   | 低压卸除+压力控制            | D  |   |
|   | 低压卸除+压力控制+遥控         | DG |   |
|   | 电控两段压力控制             | E  |   |
|   | 电控两段压力控制+遥控          | EG |   |
| 3 | 电控两段压力+两段流量控制        | F  |   |
|   | 电控两段压力+两段流量控制+遥控     | FG |   |
|   | 遥控型调节器(含NG6接口)       | GM |   |
|   | 遥控型调节器+比例压力          | GJ |   |
|   | 遥控型调节器+电控卸除          | GR |   |
|   | 遥控型调节器+电控两段压力        | GB |   |
|   | 遥控型调节器+电控卸除+两段压力     | GC |   |
|   | 感应压力                 |    |   |
|   | A 低壓：7KG             |    |   |
|   | B 中壓：14KG            | HQ |   |
|   | C 高壓：21KG            |    |   |
|   | 感应压力                 |    |   |
|   | A 低壓：7KG             |    |   |
|   | B 中壓：14KG            | HK |   |
|   | C 高壓：21KG            |    |   |

■ = 可供货    - = 不可供货    ※ = 标准品    △ = 客制化

订货型号 / 标准产品



| V  | 15   | A    | 3    | R    |      |      | - |    |      |      |      |      |    |      |
|----|------|------|------|------|------|------|---|----|------|------|------|------|----|------|
| 1  | 2    | 3    | 4    | 5    | 6    | 7    |   | 8  | 9    | 10   | 11   | 12   | 13 | 14   |
| 系列 | 规格排量 | 控制型式 | 压力范围 | 旋转方向 | 配管方向 | 轴心型式 |   | 电压 | 配管牙型 | 通轴规格 | 特殊规格 | 连接型式 | 油封 | 设计番号 |

压力调整范围

|   |                           | 8 | 10 | 12 | 15 | 18 | 23 | 25 | 38 | 42 | 50 | 70 |   |
|---|---------------------------|---|----|----|----|----|----|----|----|----|----|----|---|
| 4 | 8~70 bar (0.8~6.9 Mpa)    | ■ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | 1 |
|   | 15~140 bar (1.5~13.7 Mpa) | ■ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | 2 |
|   | 20~210 bar (2.0~20.6 Mpa) | ■ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | 3 |
|   | 20~250 bar (2.0~24.5 Mpa) | ■ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | -  | -  | 4 |

旋转方向

|   |         |   |
|---|---------|---|
| 5 | ↻ 顺时针方向 | R |
|   | ↺ 逆时针方向 | L |

配管方向

|   |                 | 8 | 10 | 12 | 15 | 18 | 23 | 25 | 38 | 42 | 50 | 70 |    |
|---|-----------------|---|----|----|----|----|----|----|----|----|----|----|----|
| 6 | 无记号: 两侧出油 (法兰型) | ■ | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ■  | ※  |
|   | 后方出油 (法兰型)      | - | -  | -  | -  | -  | ■  | ■  | ■  | ■  | ■  | ■  | B  |
|   | 两侧出油+后方出油 (法兰型) | - | -  | -  | -  | -  | ■  | ■  | ■  | ■  | -  | -  | B2 |

轴心型式

|   | 排量      | 代码                                                                                                                                                                                                                                |
|---|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7 | 无记号     | 平键: <input type="text"/>                                                                                                                                                                                                          |
|   | V15,V18 | 花键: <input type="text"/> S <input type="text"/> 13T 16/32 DP <input type="text"/> S1 <input type="text"/> 9T 16/32 DP <input type="text"/> S2 <input type="text"/> 11T 16/32 DP                                                   |
|   | V23,V25 | 花键: <input type="text"/> S <input type="text"/> 13T 16/32 DP <input type="text"/> △ <input type="text"/> S1 <input type="text"/> 15T 16/32 DP <input type="text"/> △ <input type="text"/> S3 <input type="text"/> 13T 16/32 DP加长型 |
|   | V38,V42 | 花键: <input type="text"/> S <input type="text"/> 13T 16/32 DP <input type="text"/> S1 <input type="text"/> 15T 16/32 DP <input type="text"/> S3 <input type="text"/> 13T 16/32 DP加长型                                               |
|   | V50,V70 | 花键: <input type="text"/> S <input type="text"/> 14T 12/24 DP <input type="text"/> △ <input type="text"/> S1 <input type="text"/> 17T 12/24 DP                                                                                     |

电压

|   |                  |                      |
|---|------------------|----------------------|
| 8 | 无电压              | <input type="text"/> |
|   | AC100V (50/60HZ) | A                    |
|   | AC110V (60HZ)    | B                    |
|   | AC220V (50/60HZ) | C                    |
|   | AC220V (60HZ)    | D                    |
|   | DC 12V           | E                    |
|   | DC 24V           | F ※                  |

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## 订货型号 / 标准产品



A

4

V 系列轴向柱塞泵

| V  | 15   | A    | 3    | R    |      |      | - |    |      |      |      |      |    |      |  |
|----|------|------|------|------|------|------|---|----|------|------|------|------|----|------|--|
| 1  | 2    | 3    | 4    | 5    | 6    | 7    |   | 8  | 9    | 10   | 11   | 12   | 13 | 14   |  |
| 系列 | 规格排量 | 控制型式 | 压力范围 | 旋转方向 | 配管方向 | 轴心型式 |   | 电压 | 配管牙型 | 通轴规格 | 特殊规格 | 连接型式 | 油封 | 设计番号 |  |

## 配管牙型

|   |                  |   |   |   |   |   |   |   |   |   |   |   |    |   |
|---|------------------|---|---|---|---|---|---|---|---|---|---|---|----|---|
| 9 | PT (RC)          | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 10 | ※ |
|   | BSPP (G)         | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 40 | ※ |
|   | NPT              | △ | △ | △ | △ | △ | △ | △ | △ | △ | △ | △ | 50 |   |
|   | UNF (SAE o-ring) | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | 60 |   |
|   | M型               | △ | △ | △ | △ | △ | △ | △ | △ | △ | △ | △ | 70 |   |

## 通轴规格

|    |            |   |
|----|------------|---|
| 10 | 单泵         |   |
|    | Ø 50.8 mm  | C |
|    | Ø 82.55 mm | D |
|    | Ø101.6 mm  | E |
|    | Ø 127 mm   | F |
|    | Ø 63 mm    | I |
|    | Ø 80 mm    | J |
|    | Ø 100 mm   | K |
|    | Ø 125 mm   | L |

## 特殊规格

(其他规格请与YEOSHE联络)

|    |        |    |
|----|--------|----|
| 11 | 标准品    | X  |
|    | 低压母机专用 | X1 |
|    | 空转泄压型  | Z  |

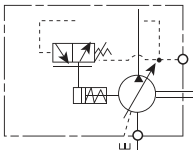
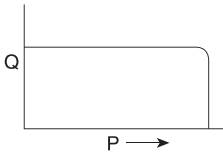
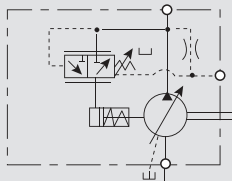
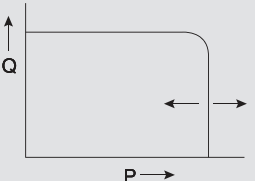
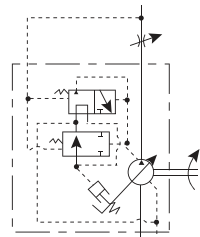
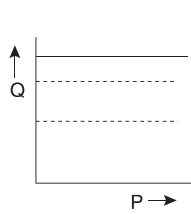
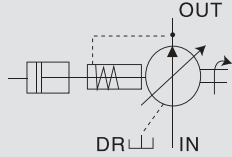
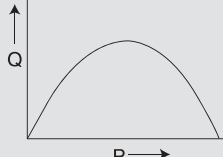
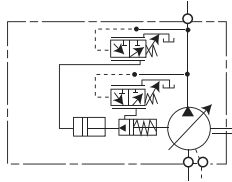
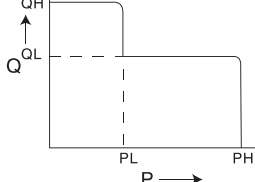
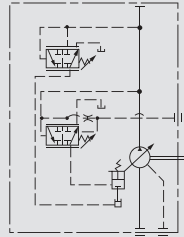
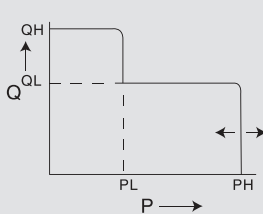
## 连接型式

|    |                                     |     |   |
|----|-------------------------------------|-----|---|
| 12 | 针对 V8~V18 提供标准型为A, V23~70 排量标准型为无记号 | 无记号 |   |
|    |                                     | 两孔型 | A |

## 油封

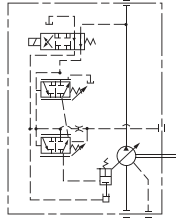
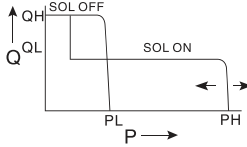
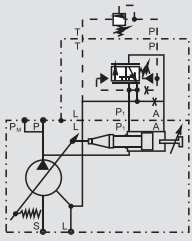
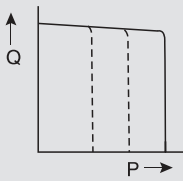
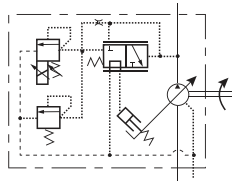
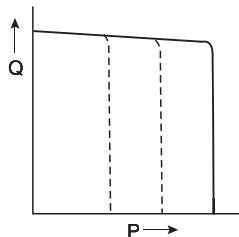
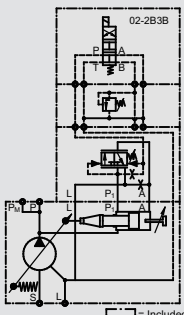
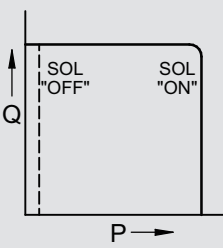
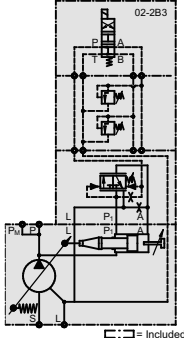
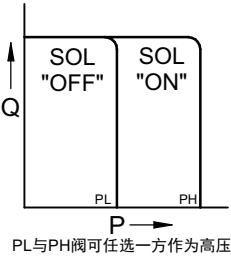
|    |      |   |   |
|----|------|---|---|
| 13 | 丁腈橡胶 |   | ※ |
|    | 氟橡胶  | V |   |

■ = 可供货    - = 不可供货    ※ = 标准品    △ = 客制化

| 名称                                   | 液压符号                                                                                | 性能曲线                                                                                | 特性                                                                                                                                                                                                                |
|--------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A型式：<br>标准型压力控制                      |    |    | <ol style="list-style-type: none"> <li>1. 系统压增高接近调定线压时，泵流量自动下降，压力保持恒定。</li> <li>2. 流量及限压压力可手动调节。</li> </ol>                                                                                                       |
| G型式：<br>遥控型压力控制                      |    |    | <ol style="list-style-type: none"> <li>1. 同压力补偿“A”型式。</li> <li>2. 可做遥控调整压力，并由遥控阀调整压力范围。</li> </ol>                                                                                                                |
| HL型式：<br>负载感应型控制                     |   |   | <ol style="list-style-type: none"> <li>1. 靠流量控制阀前后差压一定值，控制油泵吐出量，与比例换向阀并用，能形成理想的系统省能源功能。</li> <li>2. 能控制负载压力一定时，而流量依节流阀改变，油泵自动感应回馈系统吐出的恒定流量，能达到低油温省能源功能。</li> </ol>                                                |
| B型式：<br>無段變速，外接油<br>壓缸，流量可任意<br>變化控制 |  |  | <ol style="list-style-type: none"> <li>1. 流量可从0调到最大，从最大调到最小，作多段变化，压力保持设定压。</li> <li>2. 使机械在上升、下降具有缓动使用，可防止冲撞、震动，适合专用机、升降起重机械。</li> </ol>                                                                          |
| C型式：<br>两段压力，两段流<br>量控制              |  |  | <ol style="list-style-type: none"> <li>1. 具低压大流量，高压小流量之高低压泵功能，可选小功率之发动机。</li> <li>2. 系统压力增高，接近预调的“PH”限压时，泵的流量自动降到“QL”。</li> <li>3. 压力“PH, PL”及流量“QH, QL”可分别任意调整。</li> <li>4. 适用于空行程长，加压行程短之机械，速度快，省马力。</li> </ol> |
| CG型式：<br>两段压力，两段流<br>量+遥控            |  |  | <ol style="list-style-type: none"> <li>1. 同单泵两段压力，两段量(自压式)“C型”。</li> <li>2. 可做遥控调整压力，并由遥控阀调整压力范围。</li> <li>3. 可配合油升比例压力阀，达成电控比例压力控制。</li> </ol>                                                                   |



| 名称                          | 液压符号 | 性能曲线 | 特性                                                                                                                                                                                         |
|-----------------------------|------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CR型式:<br>两段压力, 两段流量控制+低压卸除  |      |      | <ol style="list-style-type: none"> <li>1. 依电磁换向阀, 控制高低两个不同的限压压力。</li> <li>2. 适用于起动机在恒定速度下, 设定两段工作压力时使用。</li> <li>3. PL与PH阀可任选一方作为高压。</li> </ol> <p>SOL OFF: 低压卸除<br/>SOL OFF: 两段压力两段流量</p> |
| D型式:<br>低压卸除+压力控制           |      |      | <ol style="list-style-type: none"> <li>1. A型式压力补偿控制追加卸压机能。</li> <li>2. 适用于卸压时间长的情况。</li> <li>3. 系统停机时, 通过泵的卸压运转, 油温和噪音可保持较低水平。</li> </ol>                                                  |
| DG型式:<br>低压卸除+压力控制<br>控制+遥控 |      |      | <ol style="list-style-type: none"> <li>1. 同单泵两段压力, 两流量(自压式)“D型”。</li> <li>2. 可做遥控调整压力, 并由遥控阀调整压力范围。</li> <li>3. 可配合油升比例压力阀, 达成电控比例压力控制。</li> </ol>                                         |
| E型式:<br>电控两段压力控制            |      |      | <ol style="list-style-type: none"> <li>1. 依电磁换向阀, 控制高低两个不同的限压压力。</li> <li>2. 适用于起动机在恒定速度下, 设定两段工作压力时使用。</li> <li>3. PL与PH阀可任选一方作为高压。</li> </ol>                                            |
| EG型式:<br>电控两段压力控制<br>+遥控    |      |      | <ol style="list-style-type: none"> <li>1. 同电控两段压力补偿型式“E型”。</li> <li>2. 可做遥控调整压力, 并由遥控阀调整压力范围。</li> <li>3. 可配合油升比例压力阀, 达成电控比例压力控制。</li> </ol>                                               |
| F型式:<br>电控两段压力+两段流量控制       |      |      | <ol style="list-style-type: none"> <li>1. 依电磁换向阀控制低压大流量及高压小流量的功能。当电磁阀通电时, 压力升高至PH, 流量降至QL。</li> <li>2. 压力PL, PH及流量QL, QH 可任意调整。</li> <li>3. 适用于快速近给转变慢速进给之机床设备等。</li> </ol>                |

| 名称                                  | 液压符号                                                                                | 性能曲线                                                                                | 特性                                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FG型式:<br>电控遥控两段压力<br>+两段流量控制<br>+遥控 |    |    | <ol style="list-style-type: none"> <li>1. 同电控单泵两段压力，两段流量控制“F型”。</li> <li>2. 可做遥控调整压力，并由遥控阀调整压力范围。</li> <li>3. 可配合油升比例压力阀，达成电控比例压力控制。</li> </ol>                                |
| GM型式:<br>遥控型调节器<br>(含NG6界面)         |    |    | <ol style="list-style-type: none"> <li>1. GM控制的调节阀上方有一个NG6的界面。可直接安装调压阀于接口，调节遥控阀所需压力，亦由控制板直接设定压力。</li> <li>2. 反应速度较快，提供压力更为稳定。</li> <li>3. 可采用手动或电液比例控制调节。</li> </ol>           |
| GJ型式:<br>遥控型调节器+比例压力                |   |   | <ol style="list-style-type: none"> <li>1. 与GM控制相同接口与功能。</li> <li>2. 配装比例压力阀于调节阀NG6接口上，形成电控比例控制，节省能源系统。</li> </ol>                                                              |
| GR型式:<br>遥控型调节器+电控卸除                |  |  | <ol style="list-style-type: none"> <li>1. 在GM控制的调节阀上加装一个溢流阀及电磁式方向控制阀，增加压力先导调节功能及控卸除机能。</li> <li>2. 适用于低压卸除时间的情况。</li> </ol>                                                    |
| GB型式:<br>遥控型调节器+电控两段压力              |  |  | <ol style="list-style-type: none"> <li>1. 在GM控制的调节阀上加装一个溢流阀及电磁式方向控制阀，可调节高低两个不同的限压压力，并达到电控两段压力变换。</li> <li>2. 适用于油压缸在恒定速度下，设定两段工作压力时使用。</li> <li>3. PL、PH 可任选一方作为高压。</li> </ol> |

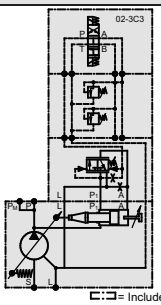
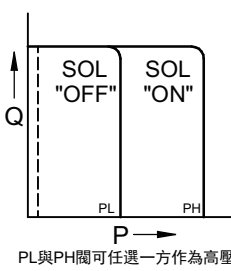
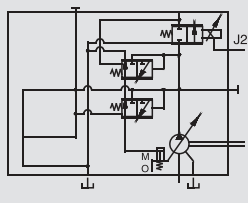
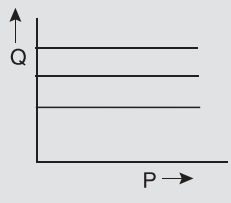
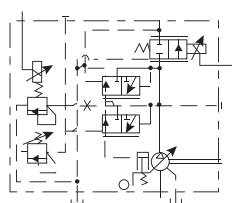
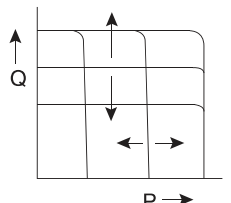


# 控制方式

A

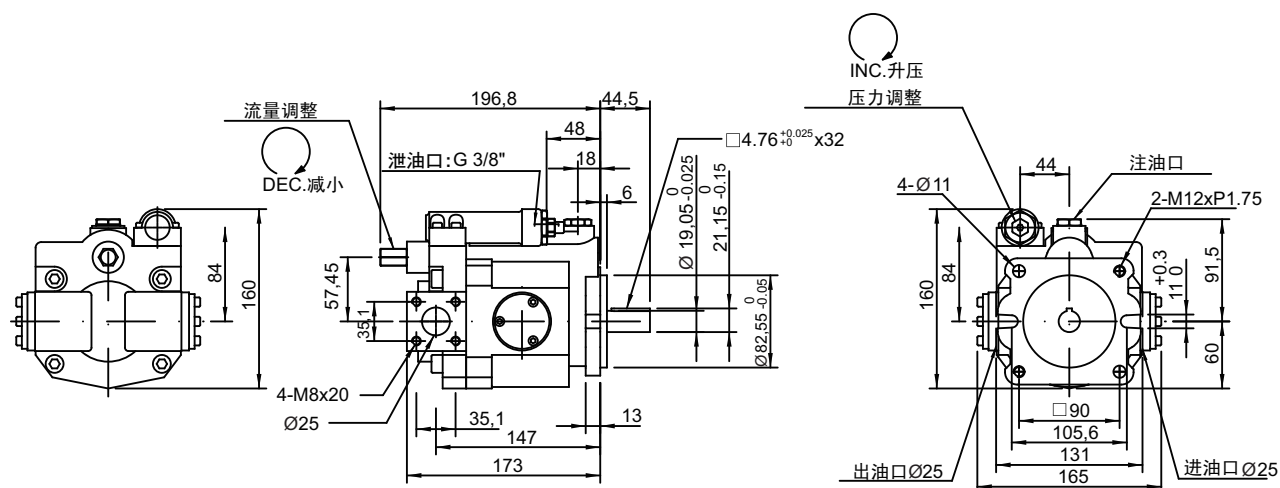
8

V 系列轴向柱塞泵

| 名称                                  | 液压符号                                                                               | 性能曲线                                                                               | 特性                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GC型式:<br>遥控型调节器+电<br>控泄载+两段压力       |   |   | <ol style="list-style-type: none"> <li>1. 使用电磁式方向控制阀，控制高低两个不同的限压压力，并追加卸除机能，系统停机时，利用泵浦的卸除，可保持较低的油温及噪音。</li> <li>2. 适用于油压缸在恒定速度下，设定两段工作压力及卸压时间长的情况下使用。</li> <li>3. PL、PH阀可任选一方作为高压。</li> </ol>                                                                                                                        |
| HQ型式:<br>负载感应型调节器<br>+比例流量+溢流阀      |   |   | <ol style="list-style-type: none"> <li>1. 此为HL型式泵浦所具备之特性外，再增加比例流量控制。</li> <li>2. 同比例流量阀控制，藉电信输入以调节泵浦排量及电控模块之控制提供所需流量。</li> </ol>                                                                                                                                                                                    |
| HK型式:<br>负载感应型调节器<br>+比例压力+比例流<br>量 |  |  | <ol style="list-style-type: none"> <li>1. HK型式变量柱塞泵与比例阀构成一体，依照比例压力、比例流量、电流大小控制，及依照负载的大小提供系统所需要的压力与流量，节省不必要的能源消耗。<br/>当待机时柱塞泵吐出流量近似零，电机功率损耗输出亦近似零，当系统压力升高到设定值时，柱塞泵的流量会自动减少，只补充系统所需流量，而压力士维持不变的，固大幅减低油温上升，节省不必要的能源浪费。</li> <li>2. 亦电泵与一般叶片货齿轮泵+PQ阀所配合的油路相互比较，约可以节省电力30%-50%能源。<br/>油箱液压油容量亦可较小，省电又环保的最佳设计。</li> </ol> |

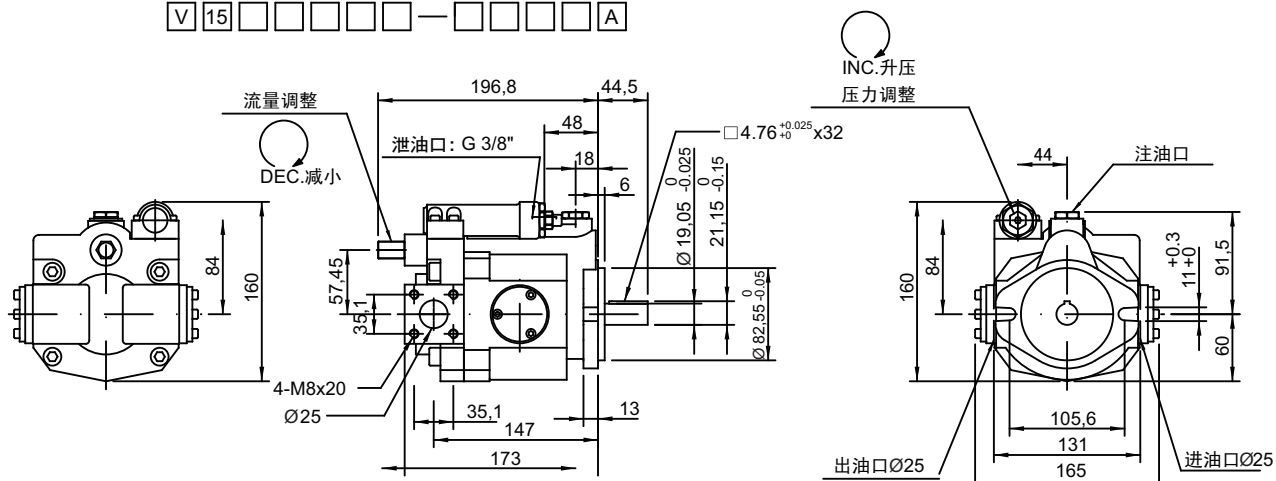
## 外型尺寸

## V15A, V18A 标准型压力控制 (客制型)

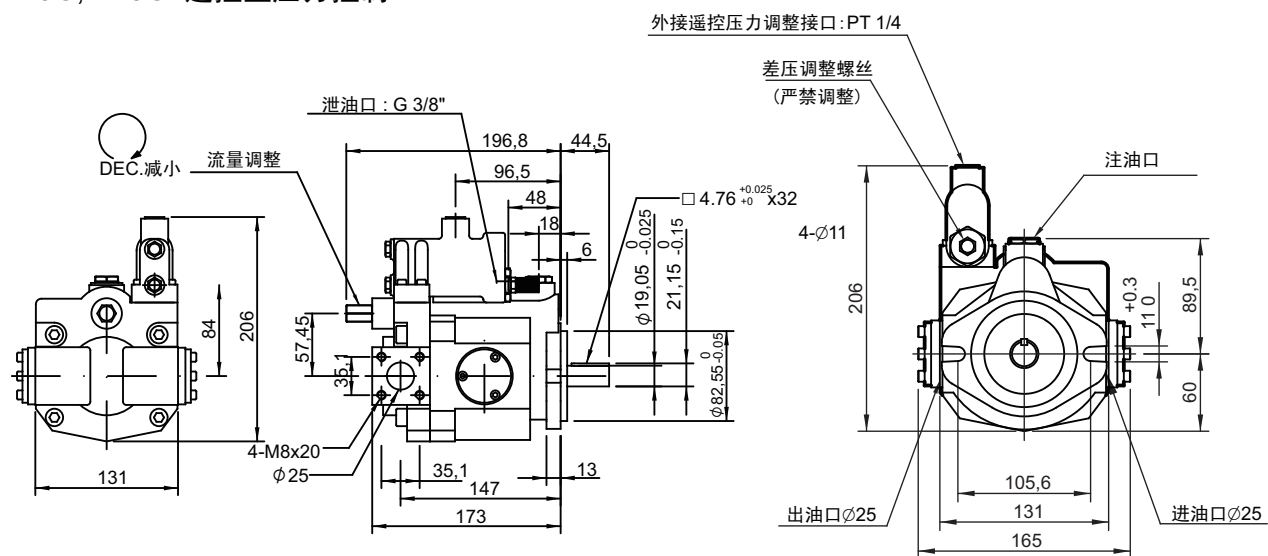


## V15A, V18A 标准型压力控制 (SAE A 两孔型, 需特别注明订购码加A)

V 15 □ □ □ □ □ — □ □ □ □ A

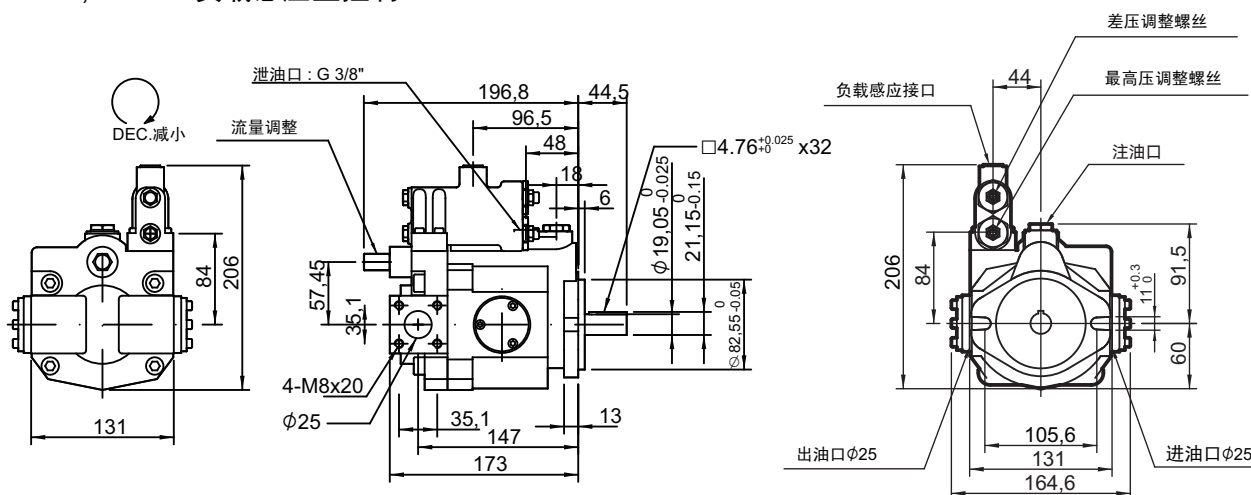


## V15G, V18G 遥控型压力控制

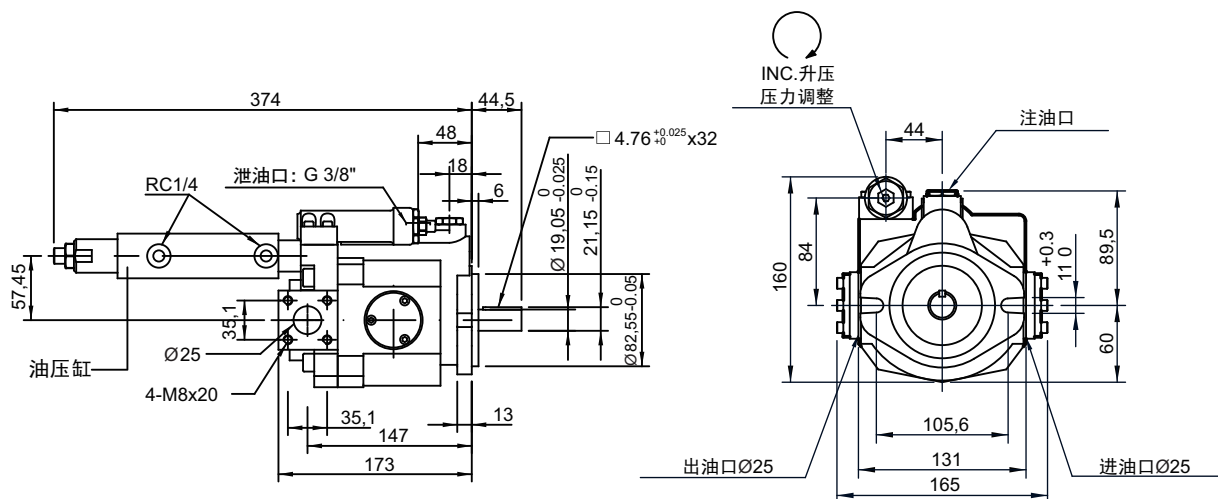


## 外型尺寸

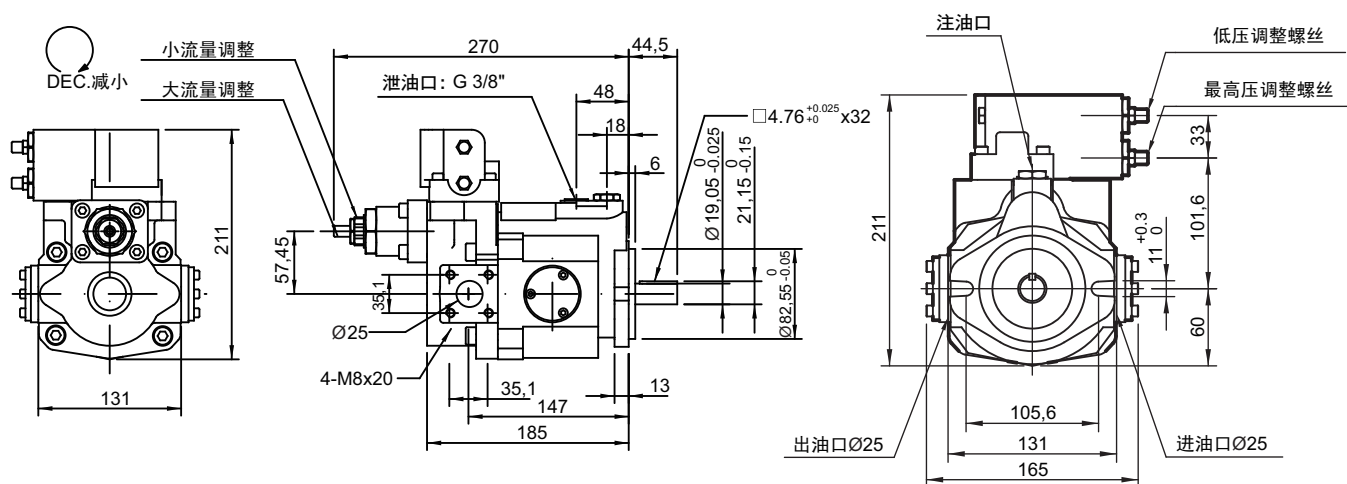
## V15HL, V18HL 负载感应型控制



## V15B, V18B 无段变速，靠外接油压缸，流量可任意变化控制 (注：仅搭配A型，标准压力补偿控制)

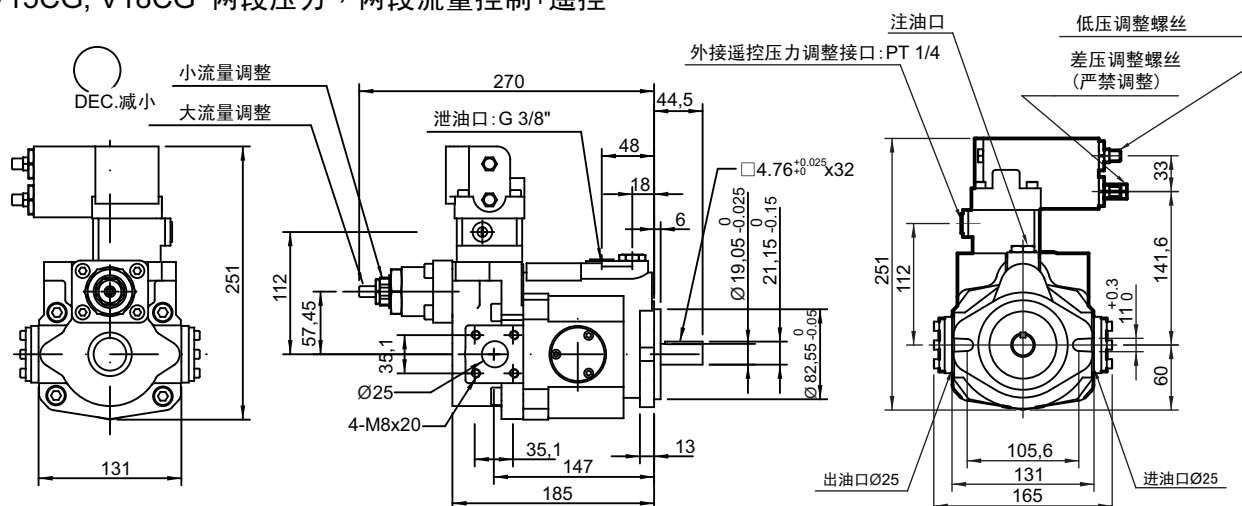


## V15C, V18C 两段压力，两段流量控制(自压式)

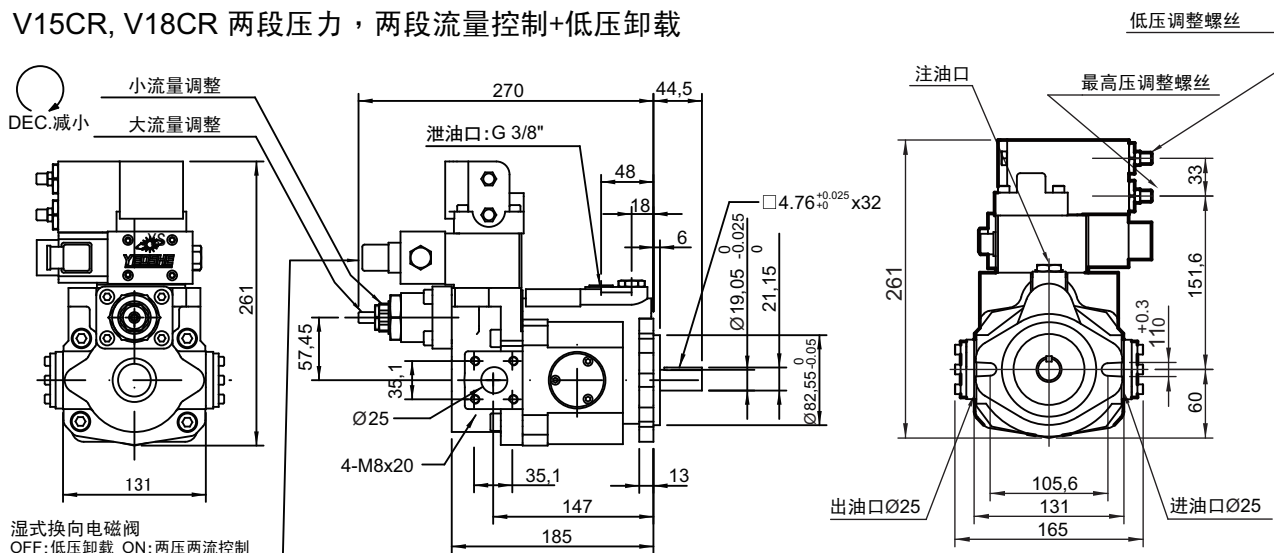


## 外型尺寸

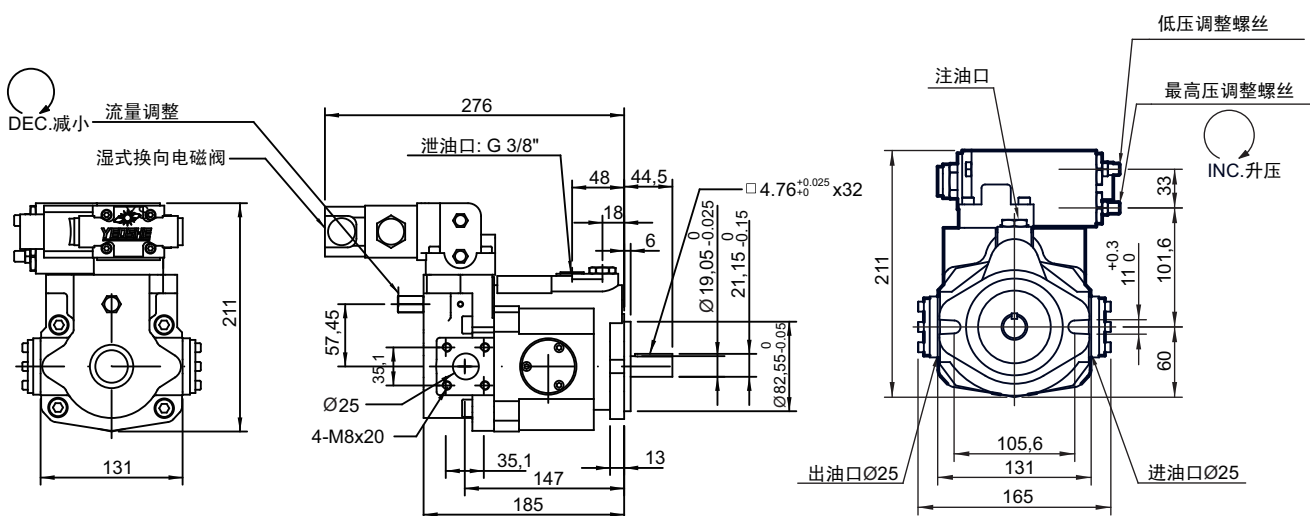
V15CG, V18CG 两段压力，两段流量控制+遥控



V15CR, V18CR 两段压力，两段流量控制+低压卸载



V15D, V18D 低压卸载+压力控制





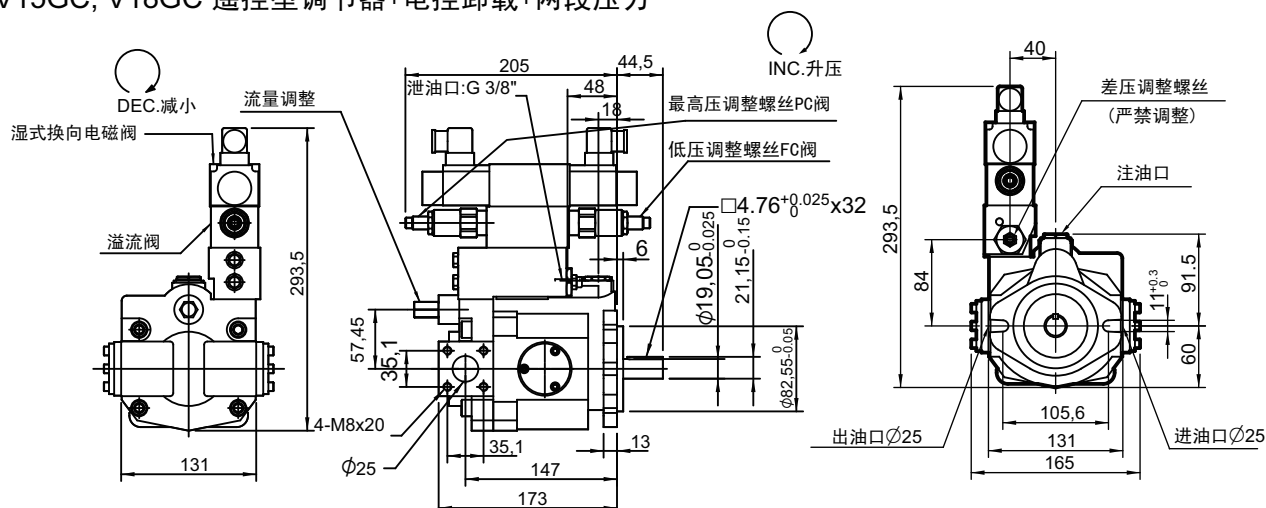
## V系列轴向柱塞泵

A-13

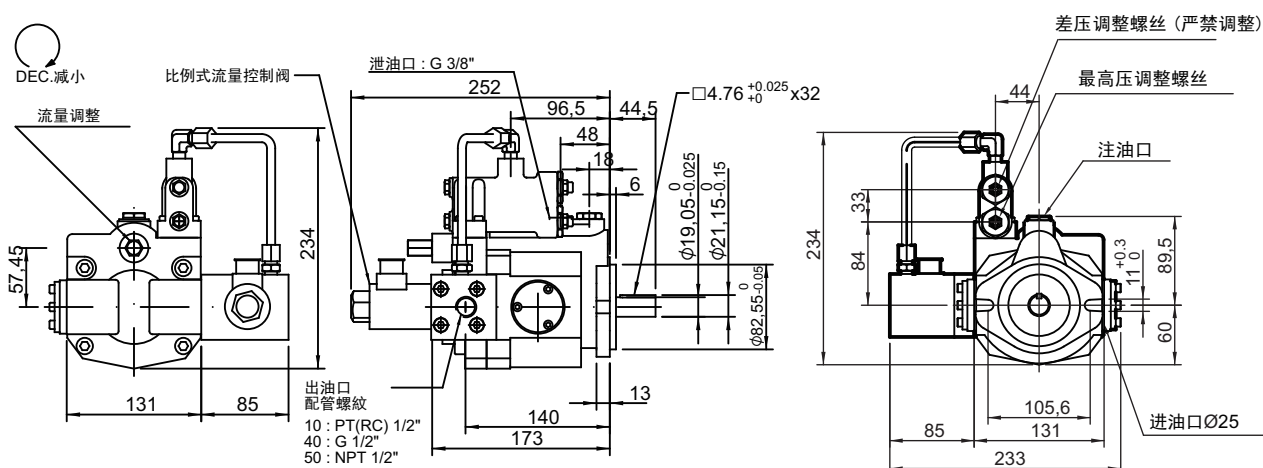
## V系列轴向柱塞泵

## 外型尺寸

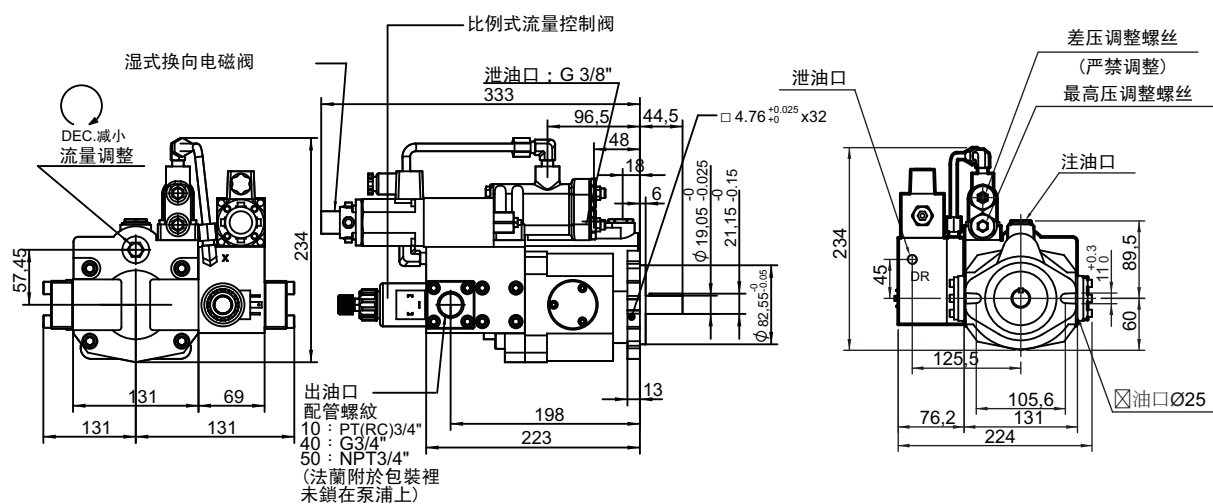
V15GC, V18GC 遥控型调节器+电控卸载+两段压力



V15HQ, V18HQ 负载感应型调节器+比例流量+溢流阀



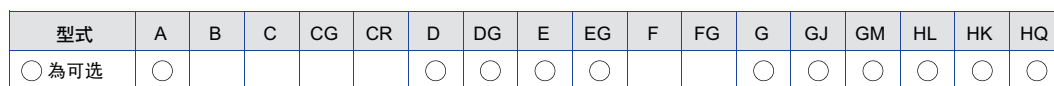
V15HK, V18HK 负载感应型调节器+比例压力+比例流量



## A

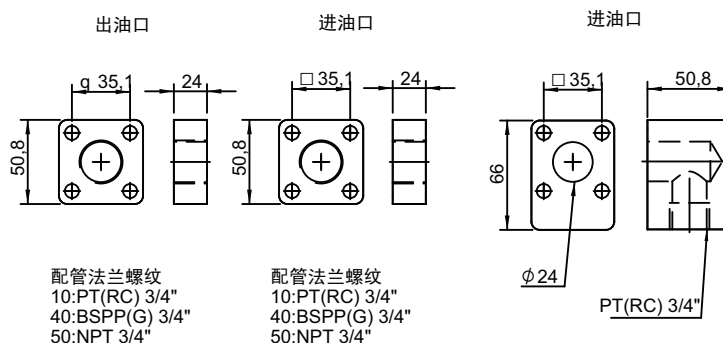
## V系列轴向柱塞泵

V 15      —   C    
 V 15      —   D



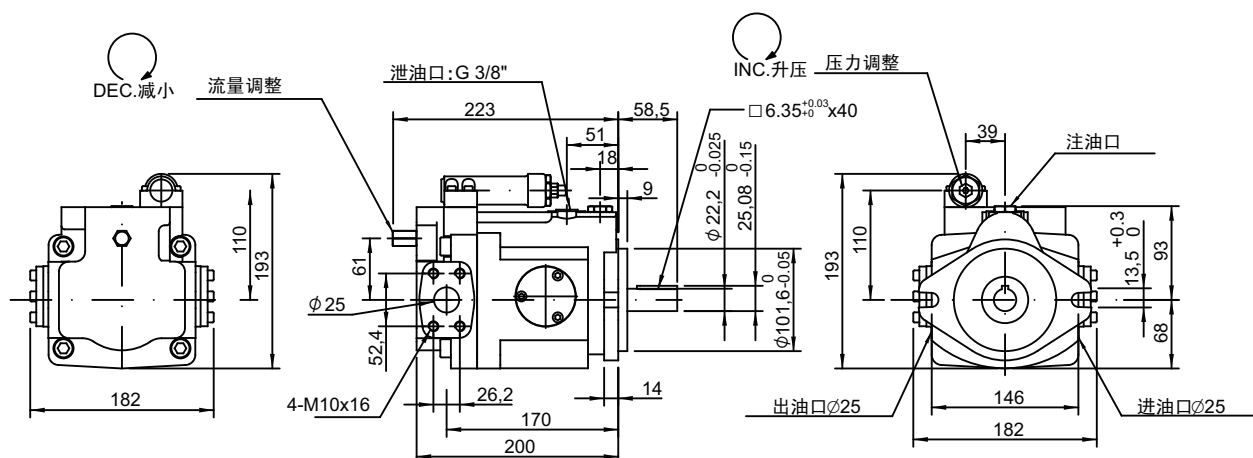
为通轴准备可选用的控制型式

S: 13T DP16/32      S: 11T DP16/32      S1: 9T DP16/32

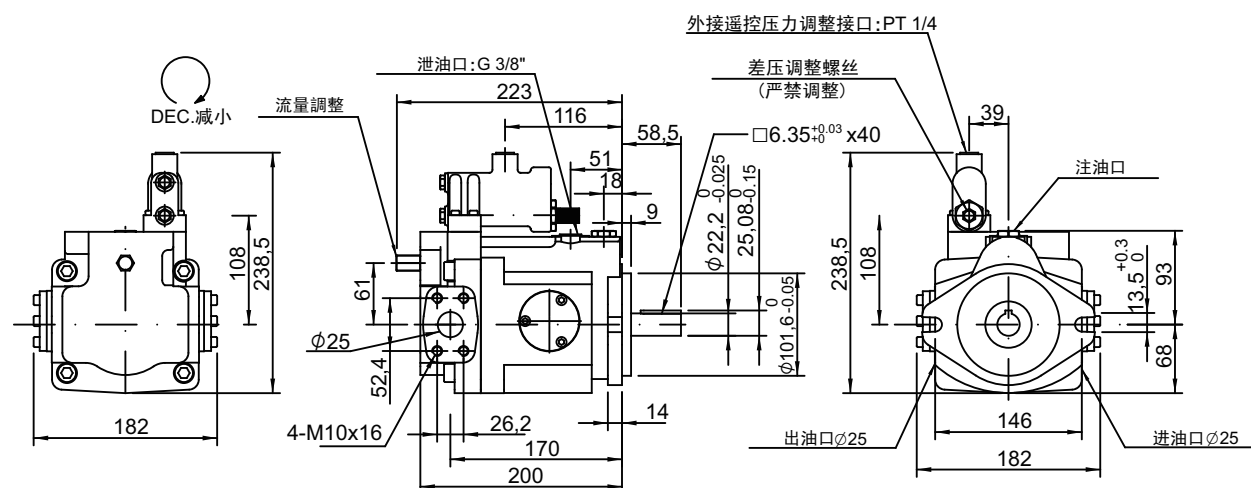


## 外型尺寸

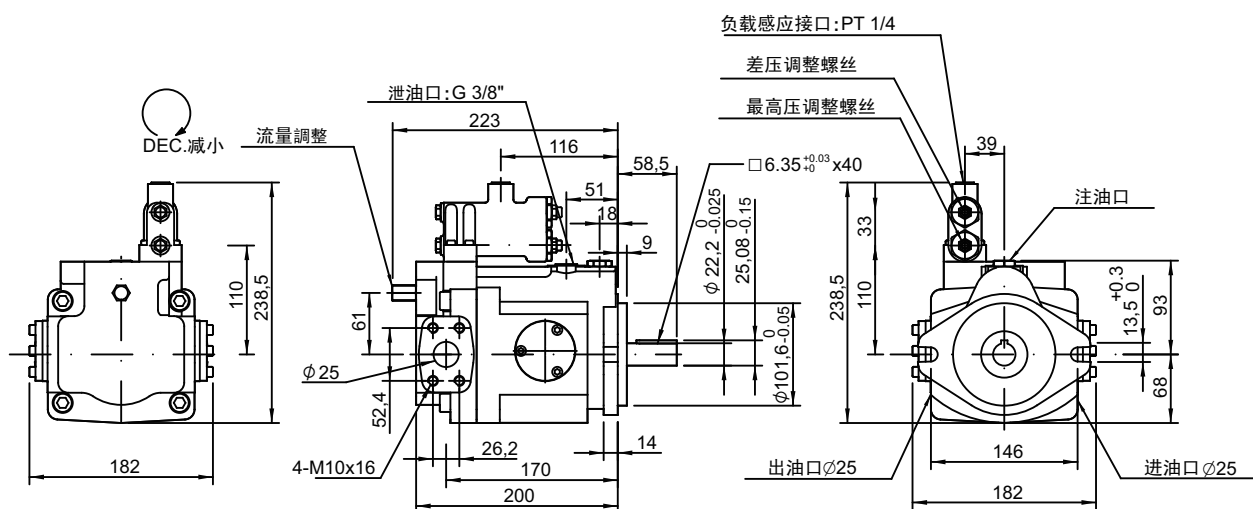
## V23A, V25A 标准型压力控制



## V23G, V25G 遥控型压力控制



## V23HL, V25HL 负载感应型控制



## 外型尺寸

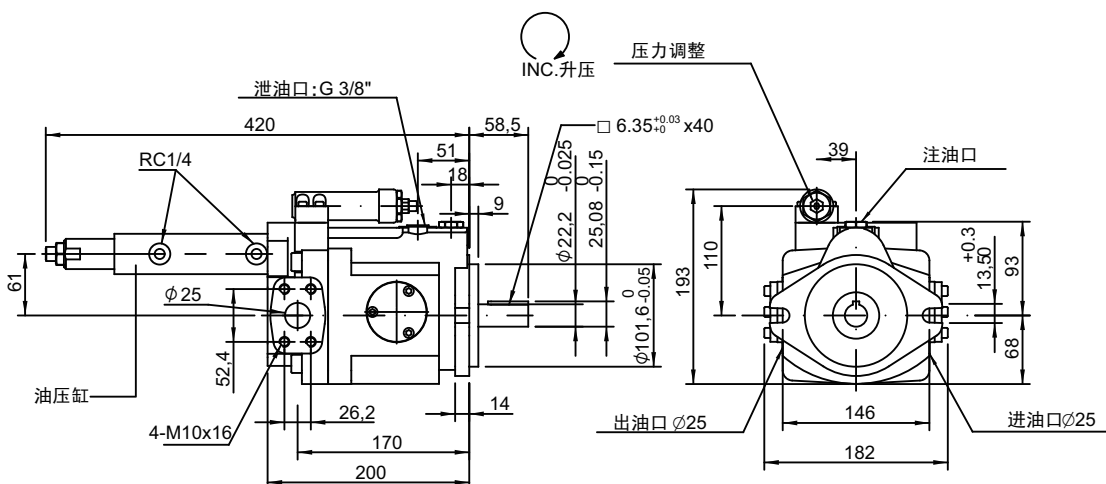
A

18

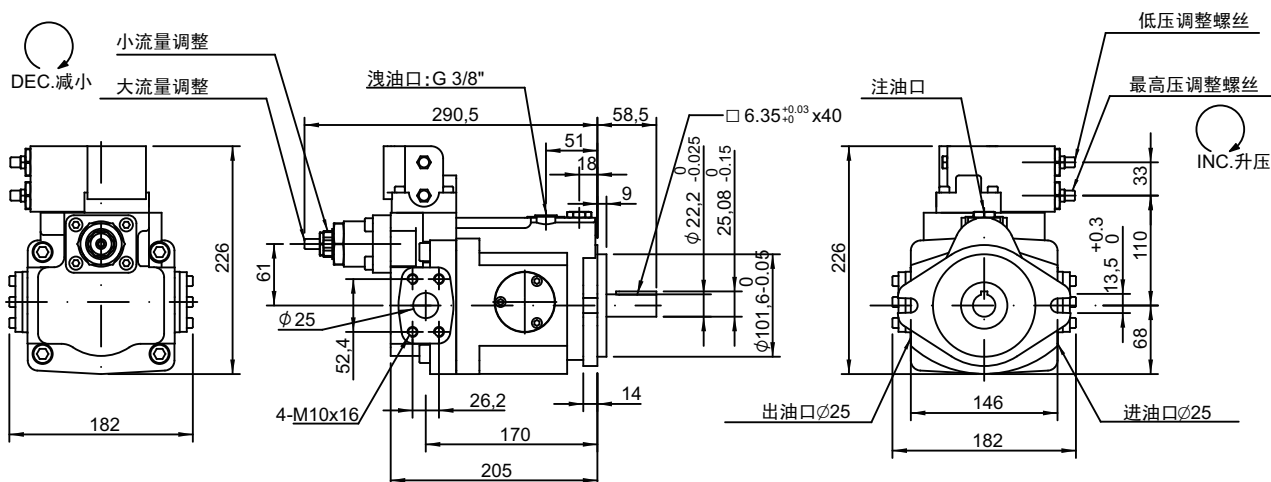
V 系列轴向柱塞泵

V23B, V25B 无段变速, 靠外接油压缸, 流量可任意变化控制

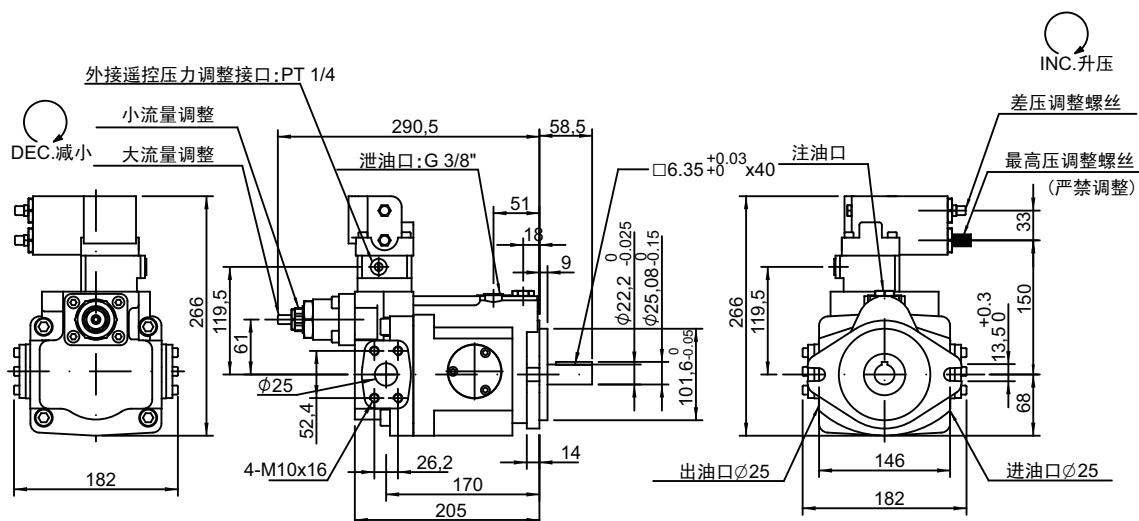
(注: 仅搭配A型, 标准压力补偿控制)



V23C, V25C 两段压力, 两段流量控制



V23CG, V25CG 两段压力, 两段流量控制+遥控



## V系列轴向柱塞泵

小流量调整  
DEC.减小  
大流量调整

290.5 58.5

泄油口: G 3/8"

51 18 9

0.025 6.35<sup>+0.03</sup>/<sub>0</sub> x40 25.08-0.15 0 0

0.05 101.6-0.05

276 61 0.25 52.4 4-M10x16 26.2 14 170 205

注油口 最高压调整螺丝

33 159 68 146 182

出油口Ø25 进油口Ø25

湿式换向电磁阀  
OFF: 低压卸除 ON: 两压两流控制

V23D, V25D 低压卸除+压力控制

DEC.减小

流量调整

湿式换向电磁阀

泄油口: G 3/8"

297

51

58.5

18

9

$\square 6.35^{+0.03}_{+0} \times 40$

$\phi 22.2^{-0.025}_0$

$25.08^{-0.15}_0$

$\phi 101.6^{-0.05}_0$

注油口

最高壓調整螺絲

226

61

$\phi 25$

52.4

4-M10x16

26.2

170

14

205

INC. 升压

低压调整螺丝

226

33

110

$13.5^{+0.3}_0$

68

146

182

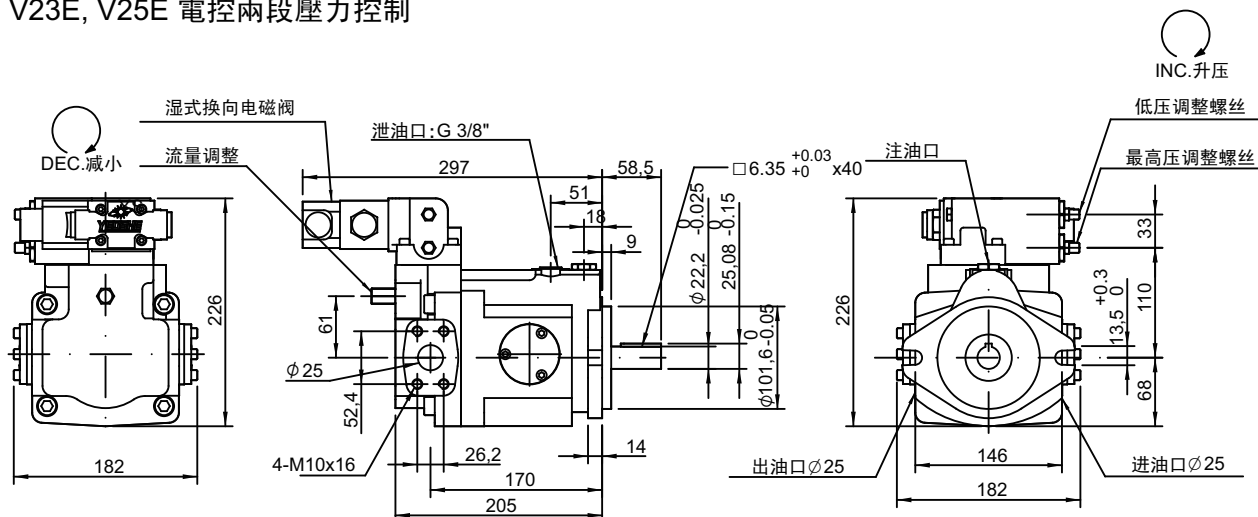
出油口  $\phi 25$

进油口  $\phi 25$

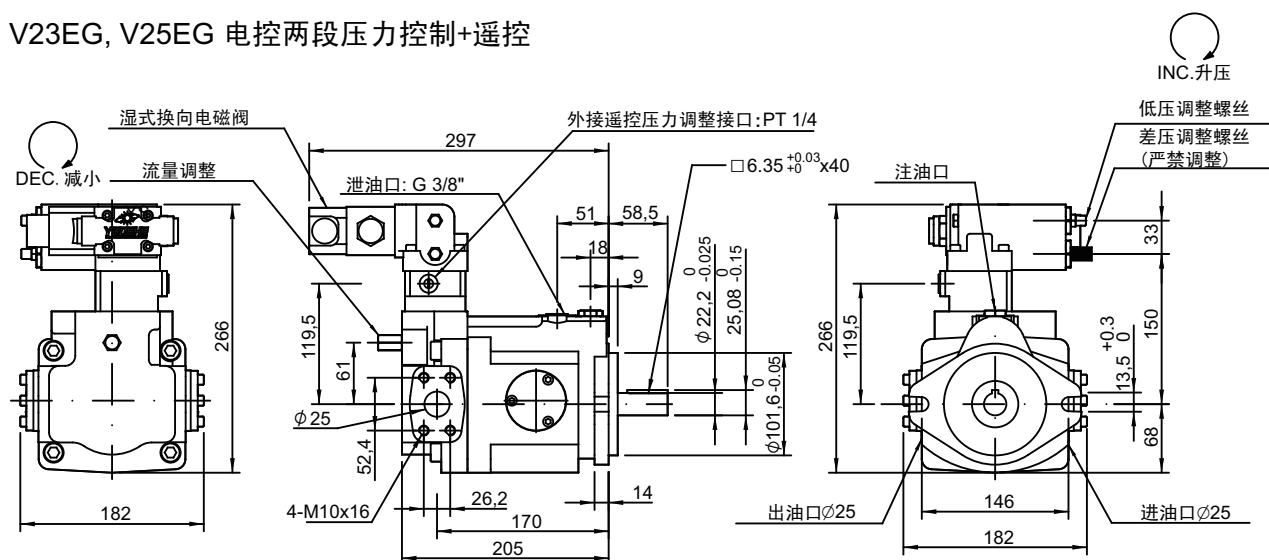
[illegible]

## 外型尺寸

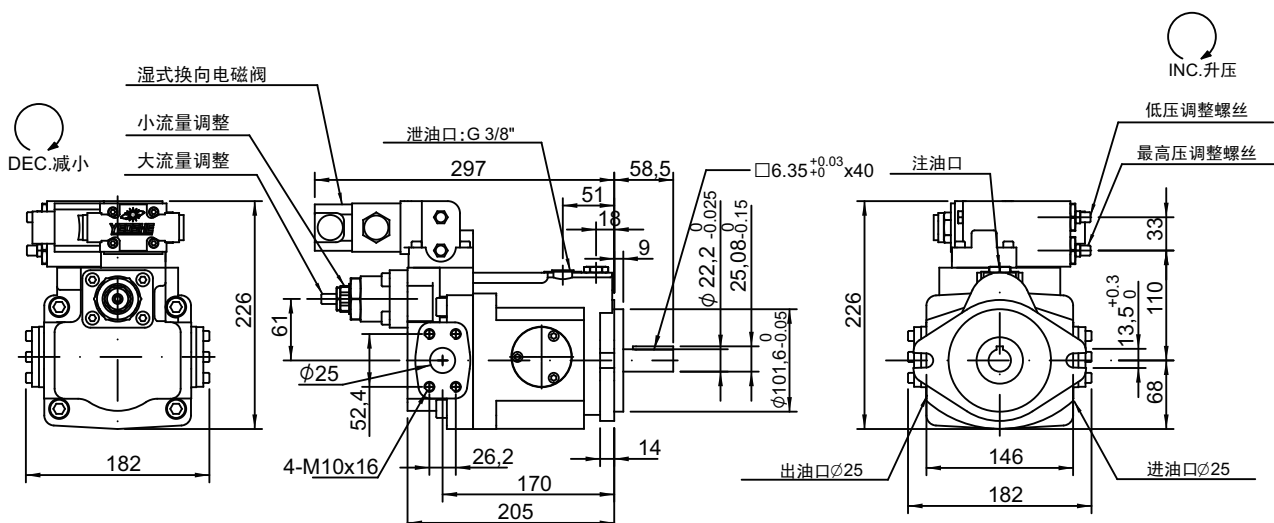
## V23E, V25E 电控两段压力控制



## V23EG, V25EG 电控两段压力控制+遥控

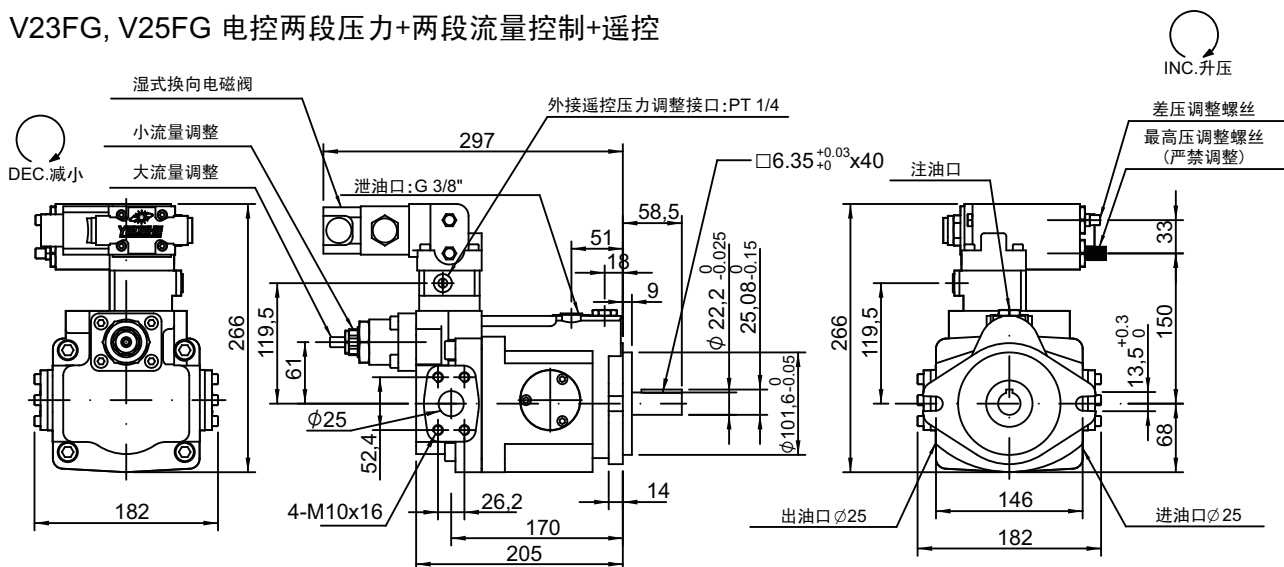


## V23F, V25F 电控两段压力+两段流量控制

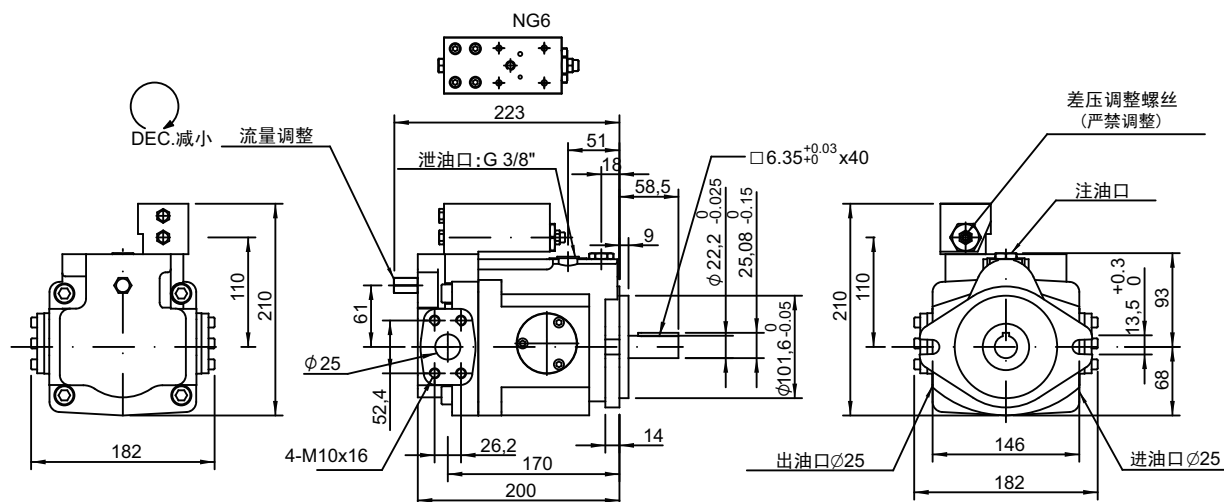


## 外型尺寸

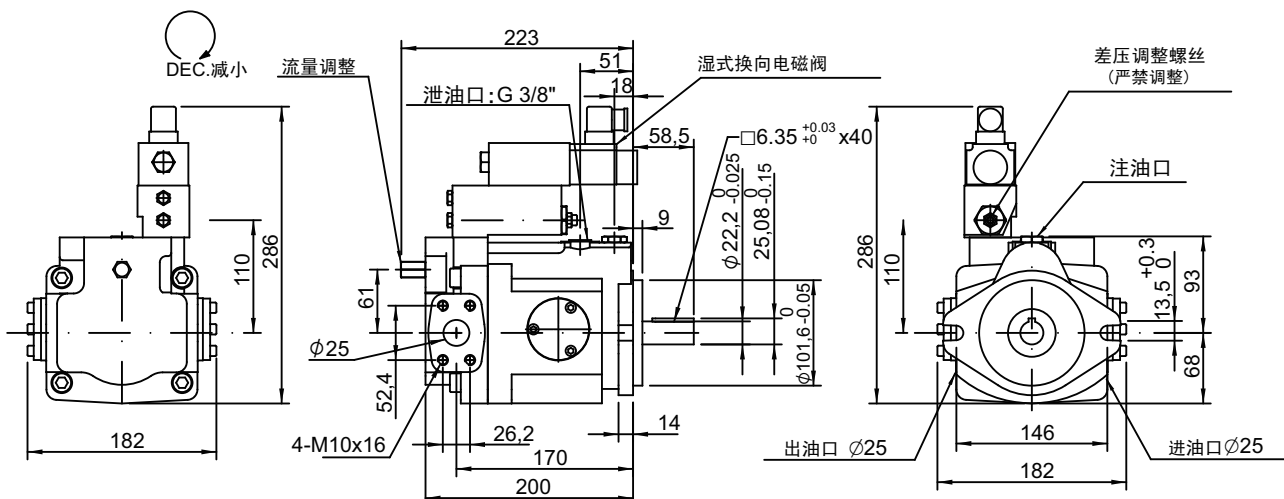
V23FG, V25FG 电控两段压力+两段流量控制+遥控



V23GM, V25GM 遥控型调节器 (含NG6接口)

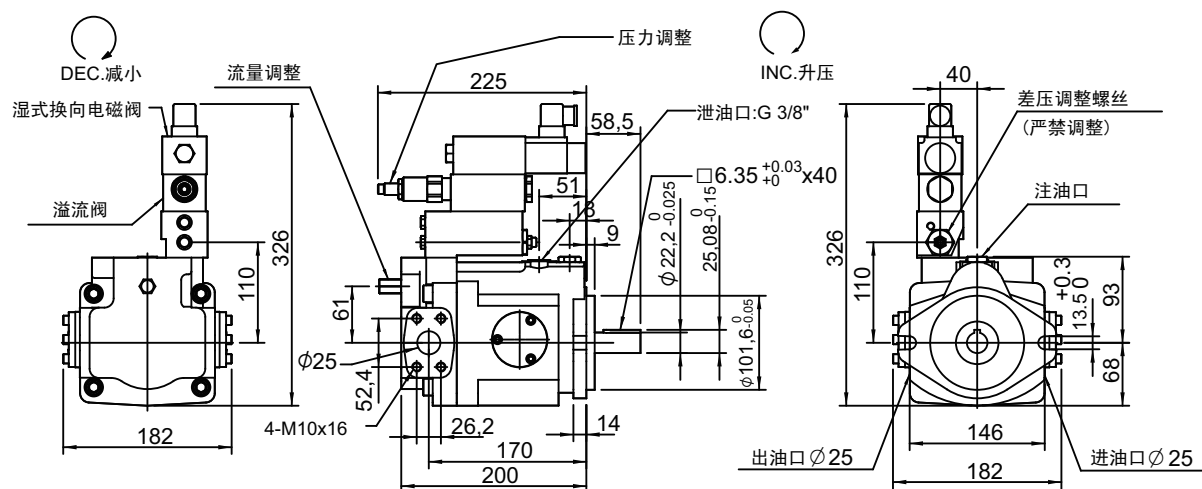


V23GJ, V25GJ 遥控型调节器+比例压力

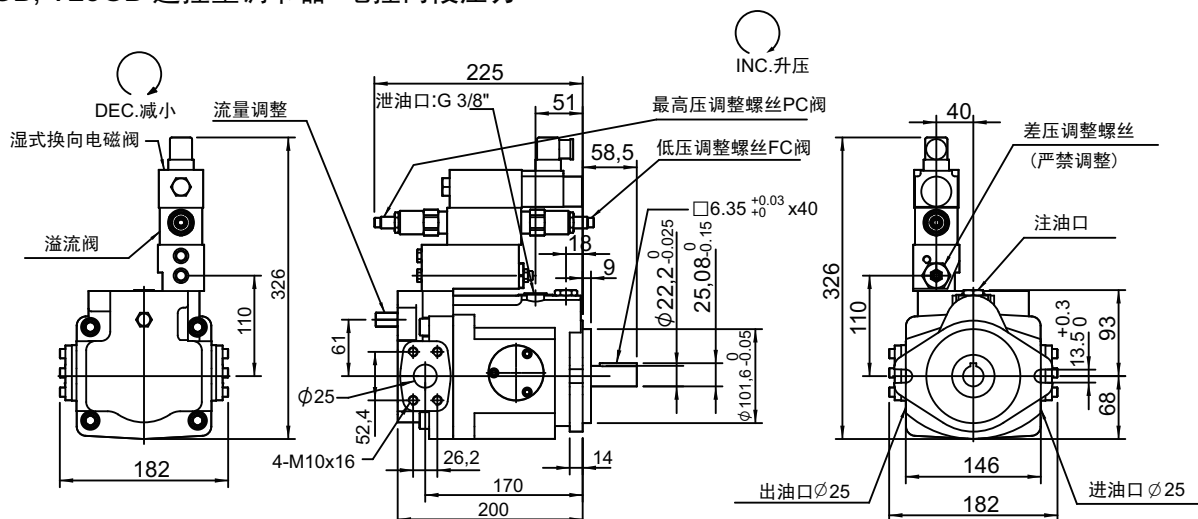


## 外型尺寸

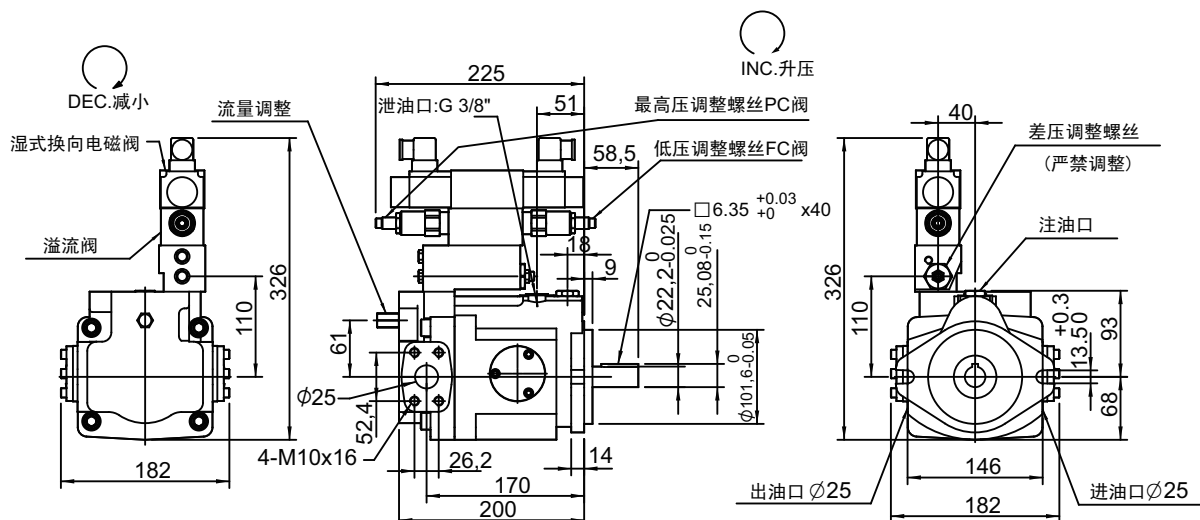
V23GR, V25GR 遥控型调节器+电控卸除



V23GB, V25GB 遥控型调节器+电控两段压力



V23GC, V25GC 遥控型调节器+电控卸除+两段压力



## V系列轴向柱塞泵

Technical drawing of the 3-Port Solenoid Valve (3-Port Solenoid Valve) showing three views: front, side, and top. The drawing includes dimensions in millimeters and inches, and labels for various components and ports.

**Dimensions (mm):**

- Overall width: 248.2
- Overall height: 267
- Front view width: 146
- Front view height: 93
- Side view width: 200
- Side view height: 110
- Top view width: 146
- Top view height: 93

**Labels and Features:**

- 泄油口: G 3/8" (Drain port: G 3/8")
- 6.35<sup>+0.03</sup><sub>0</sub> x40 (Square hole: 6.35 x 40)
- DEC.减小流量调整 (DEC. Reduce flow adjustment)
- 出油口 配管螺纹 (Outlet pipe thread)
- 比例式流量控制阀 (Proportional flow control valve)
- 最高压调整螺丝 (Maximum pressure adjustment screw)
- 注油口 (Oil injection port)

**Port Specifications:**

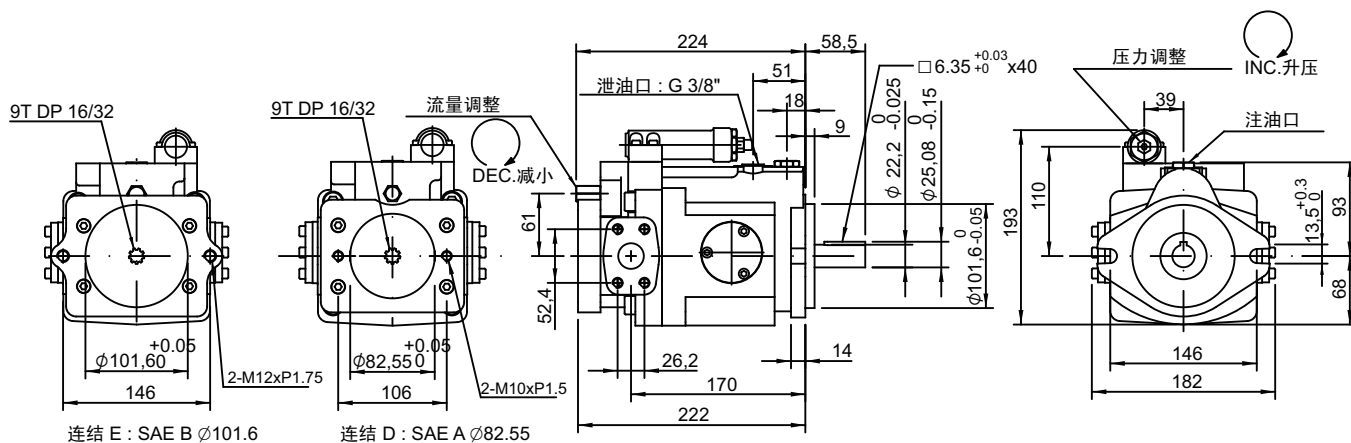
- 10: PT(RC) 3/4"
- 40: G 3/4"
- 50: NPT 3/4"

[illegible]

|   |    |  |  |  |  |  |   |  |  |   |  |  |
|---|----|--|--|--|--|--|---|--|--|---|--|--|
| V | 23 |  |  |  |  |  | — |  |  | D |  |  |
| V | 23 |  |  |  |  |  | — |  |  | E |  |  |

| 型式   | A | B | C | CG | CR | D | DG | E | EG | F | FG | G | GJ | GM | HL | HK | HC |
|------|---|---|---|----|----|---|----|---|----|---|----|---|----|----|----|----|----|
| ○为可选 | ○ |   |   |    |    | ○ | ○  | ○ | ○  |   |    | ○ | ○  | ○  | ○  | ○  | ○  |

为通轴准备可选用的控制型式



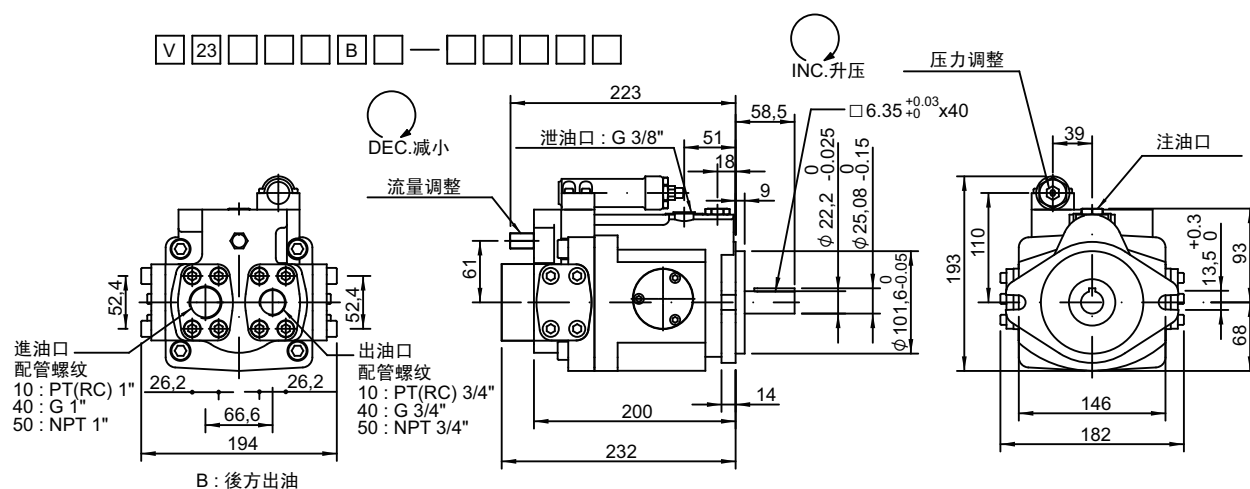
## 外型尺寸

A

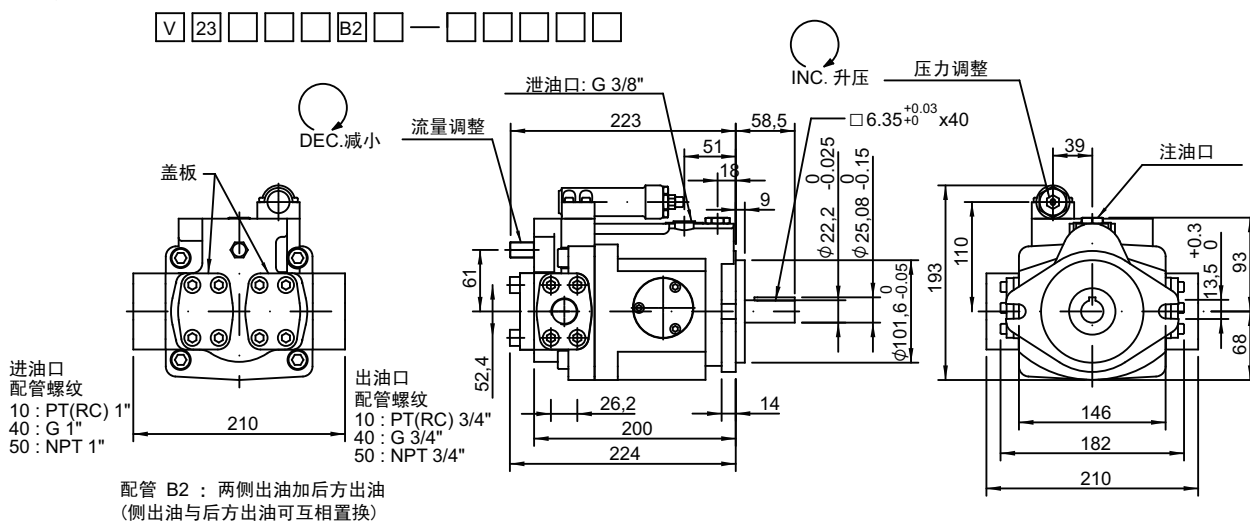
24

V 系列轴向柱塞泵

V23, V25 后方出油(需特别注明订货代码 NO.6 加B)



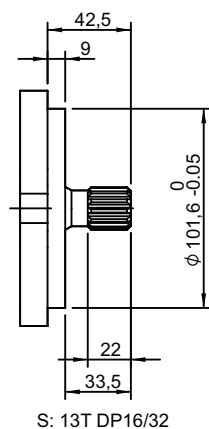
V23, V25 两侧出油加后方出油(需特别注明订货代码 NO.6 加B2)



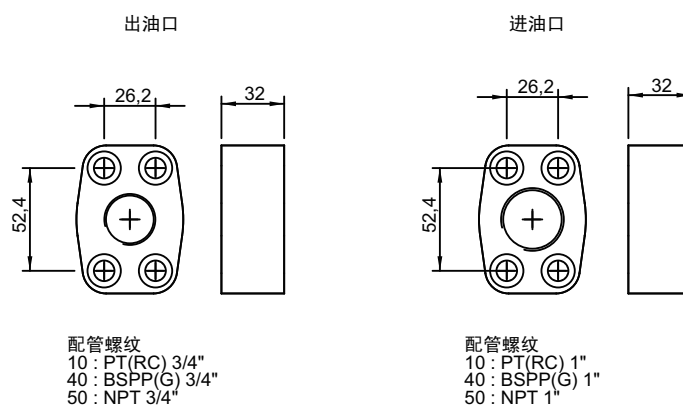
| 型式 | A | B | C | CG | D | DG | E | EG | F | FG | G | GJ | GM | HL | HK | HQ |
|----|---|---|---|----|---|----|---|----|---|----|---|----|----|----|----|----|
|    | ○ | ○ |   |    |   |    |   |    |   |    | ○ | ○  | ○  | ○  |    |    |

后方出油可选用的控制型式

V23, V25 梅花轴心型式



V23, V25 进出油法兰



## V38A, V42A 标准型压力控制



## A-25

## 外型尺寸

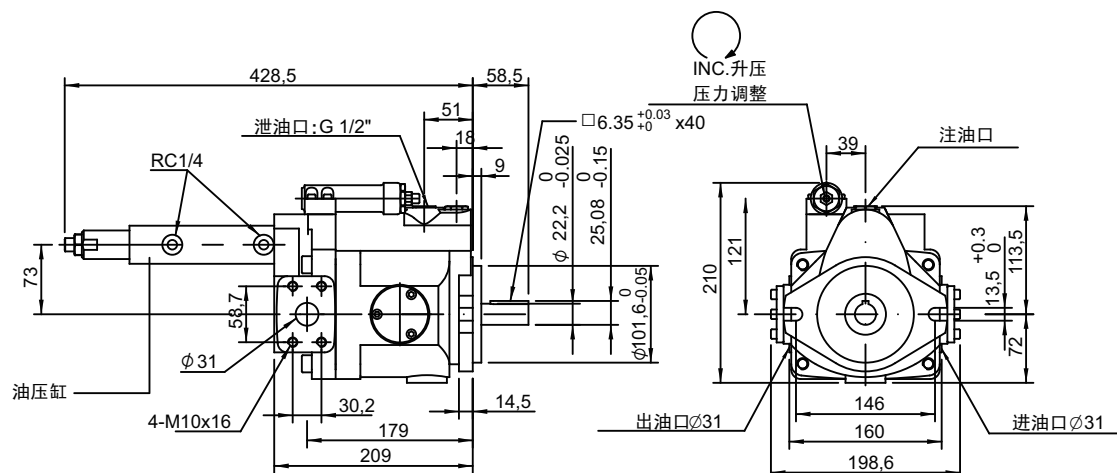
A

26

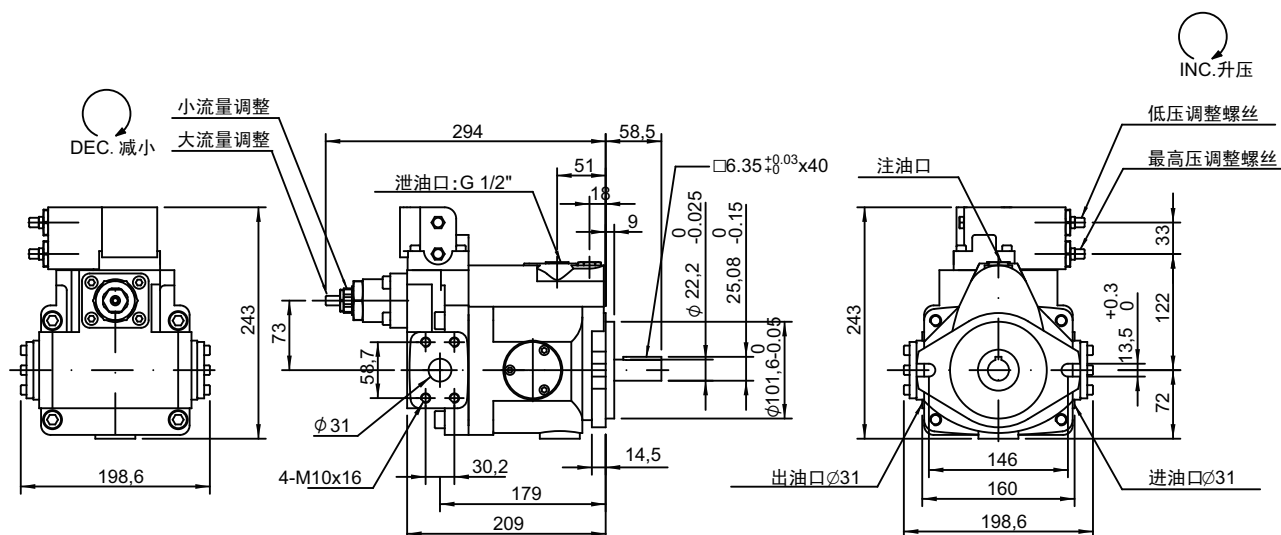
V 系列轴向柱塞泵

V38B, V42B 无段变速, 靠外接油压缸, 流量可任意变化控制

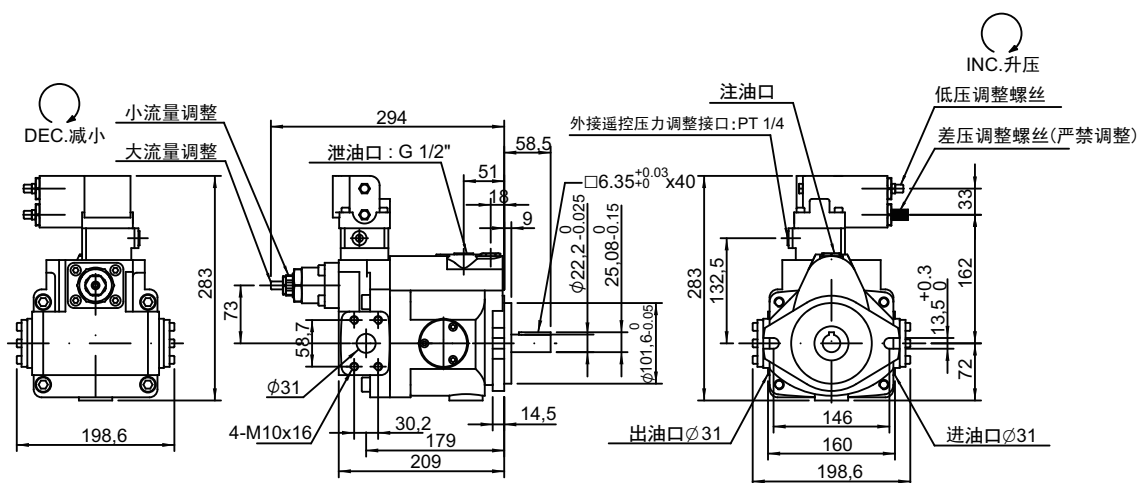
(注: 仅搭配A型, 标准压力补偿控制)



V38C, V42C 两段压力, 两段流量控制



V38CG, V42CG 两段压力, 两段流量+遥控



Technical drawing of the HMD-1000 hydraulic pump, showing three views: front, side, and rear.

**Front View Dimensions:**

- Overall width: 198.6
- Overall height: 243
- Mounting holes: 4-M10x16
- Outlet port:  $\varnothing 31$

**Side View Dimensions:**

- Overall width: 198.6
- Overall height: 243
- Mounting base width: 160
- Mounting base height: 146
- Outlet port:  $\varnothing 31$

**Rear View Dimensions:**

- Overall width: 198.6
- Overall height: 243
- Mounting base width: 160
- Mounting base height: 146
- Outlet port:  $\varnothing 31$

**Key Features and Labels:**

- 湿式电磁方向阀 (Wet electromagnetic directional valve)
- 流量调整 (Flow adjustment)
- 泄油口: G 1/2" (Drain port: G 1/2")
- 升压 (Pressure increase)
- 低压调整螺丝 (Low pressure adjustment screw)
- 最高压调整螺丝 (Maximum pressure adjustment screw)
- 注油口 (Oil inlet)
- 出油口  $\varnothing 31$  (Outlet  $\varnothing 31$ )
- 进油口  $\varnothing 31$  (Inlet  $\varnothing 31$ )

**Dimensions and Tolerances:**

- 301
- 58.5
- 51
- 18
- 9
- $\square 6.35^{+0.03}_{+0} \times 40$
- $\varnothing 22.2^{-0.025}_0$
- $25.08^{-0.15}_0$
- $\varnothing 101.6^{+0.05}_0$
- 73
- 58.7
- $\varnothing 31$
- 30.2
- 179
- 14.5
- 209
- 33
- 122
- 72
- $\pm 0.3$
- 13.5

Technical drawing of the YCB-B100 hydraulic pump, showing three views: front view (left), side view (middle), and rear view (right). The drawing includes detailed dimensions and labels for various components and adjustment points.

**Front View (Left):**

- 湿式电磁方向阀 (Wet electromagnetic directional valve)
- DEC.减小 (DEC. Decrease)
- 流量调整 (Flow adjustment)
- 283 (Height)
- 198.6 (Width)

**Side View (Middle):**

- 301 (Overall length)
- 泄油口: G 1/2" (Drain port: G 1/2")
- 51 (Distance from drain port to end face)
- 58.5 (Distance from end face to center of shaft)
- 18 (Distance from end face to center of shaft)
- 9 (Distance from end face to center of shaft)
- 6.35<sup>+0.03</sup>/<sub>+0</sub> x 40 (Shaft diameter)
- Φ22.2<sup>-0.025</sup>/<sub>0</sub> (Shaft diameter)
- 25.08<sup>-0.15</sup>/<sub>0</sub> (Shaft diameter)
- Φ101.6<sup>-0.05</sup>/<sub>0</sub> (Shaft diameter)
- 73 (Distance from end face to center of shaft)
- 58.7 (Distance from end face to center of shaft)
- Φ31 (Shaft diameter)
- 4-M10x16 (Bolt specification)
- 30.2 (Distance from end face to center of shaft)
- 179 (Distance from end face to center of shaft)
- 14.5 (Distance from end face to center of shaft)
- 209 (Overall length)

**Rear View (Right):**

- 注油口 (Oil inlet)
- 外接遥控压力调整接口: PT 1/4 (External remote pressure adjustment interface: PT 1/4)
- INC. 升压 (INC. Increase pressure)
- 低压调整螺丝 (Low pressure adjustment screw)
- 差压调整螺丝 (严禁调整) (Differential pressure adjustment screw (Prohibit adjustment))
- 283 (Height)
- 132.5 (Distance from end face to center of shaft)
- 33 (Distance from end face to center of shaft)
- 162 (Distance from end face to center of shaft)
- +0.3 (Shaft diameter tolerance)
- 13.5<sup>0</sup>/<sub>0</sub> (Shaft diameter tolerance)
- 72 (Distance from end face to center of shaft)
- 146 (Distance from end face to center of shaft)
- 160 (Distance from end face to center of shaft)
- 198.6 (Width)
- 出油口 Φ31 (Outlet Φ31)
- 进油口 Φ31 (Inlet Φ31)

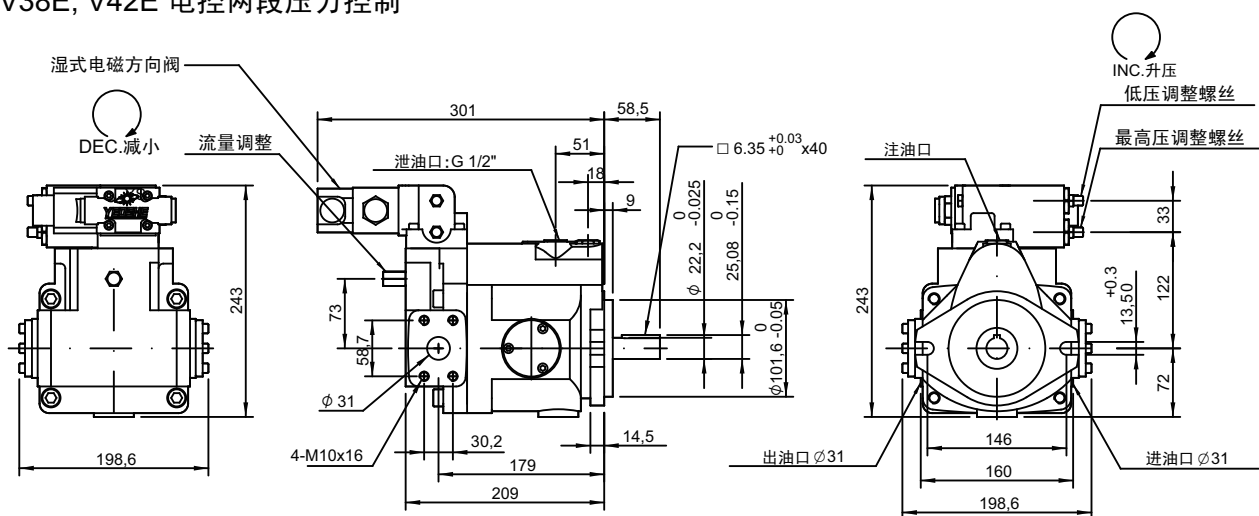
## 外型尺寸

A

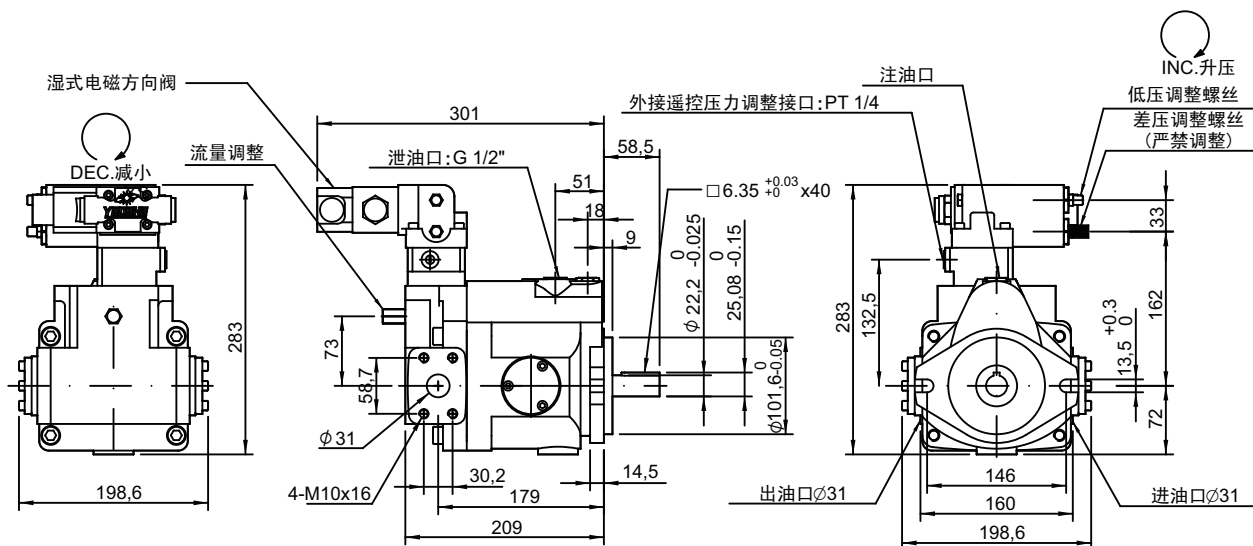
28

V 系列轴向柱塞泵

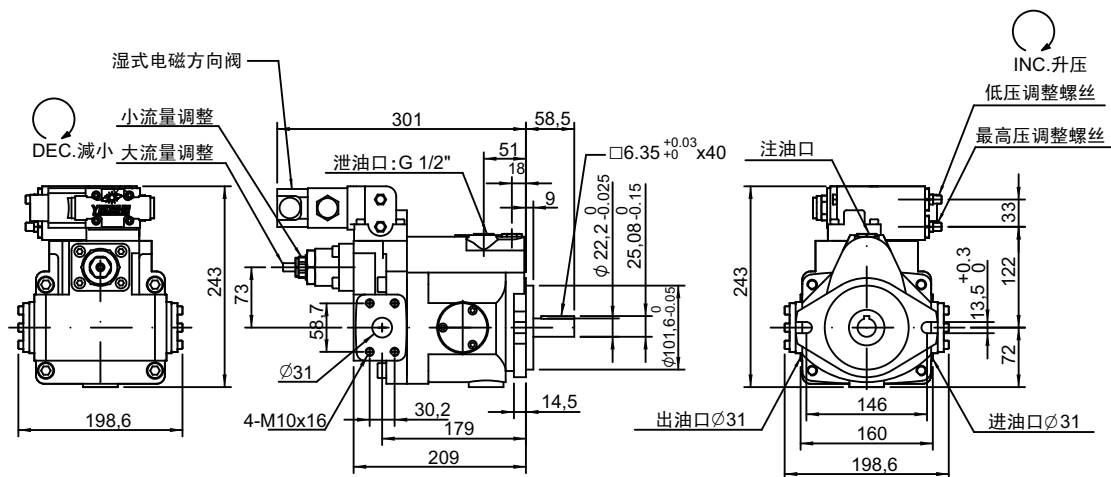
V38E, V42E 电控两段压力控制



V38EG, V42EG 电控两段压力控制+遥控

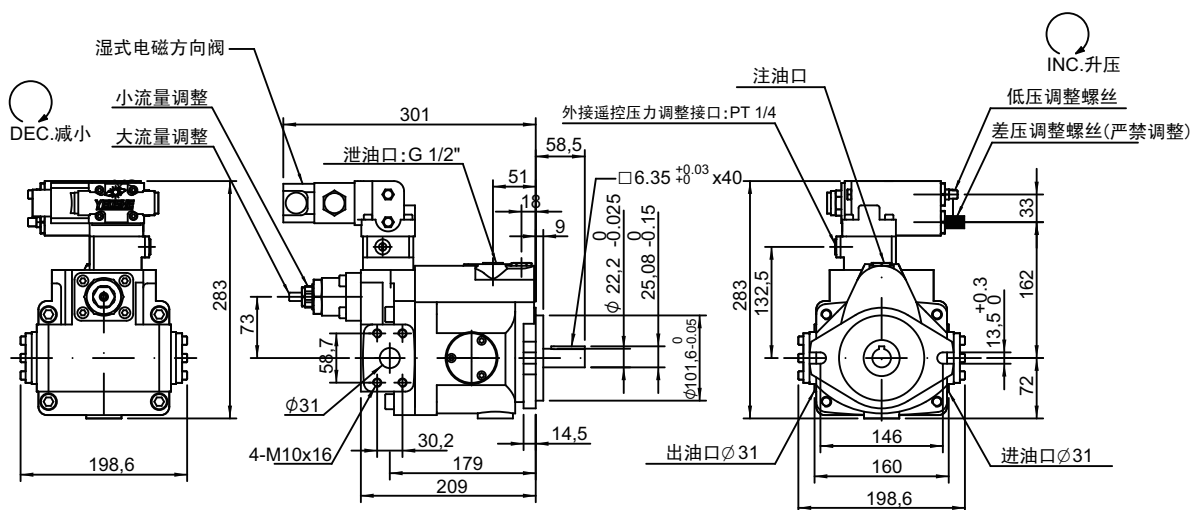


V38F, V42F 电控两段压力+两段流量控制

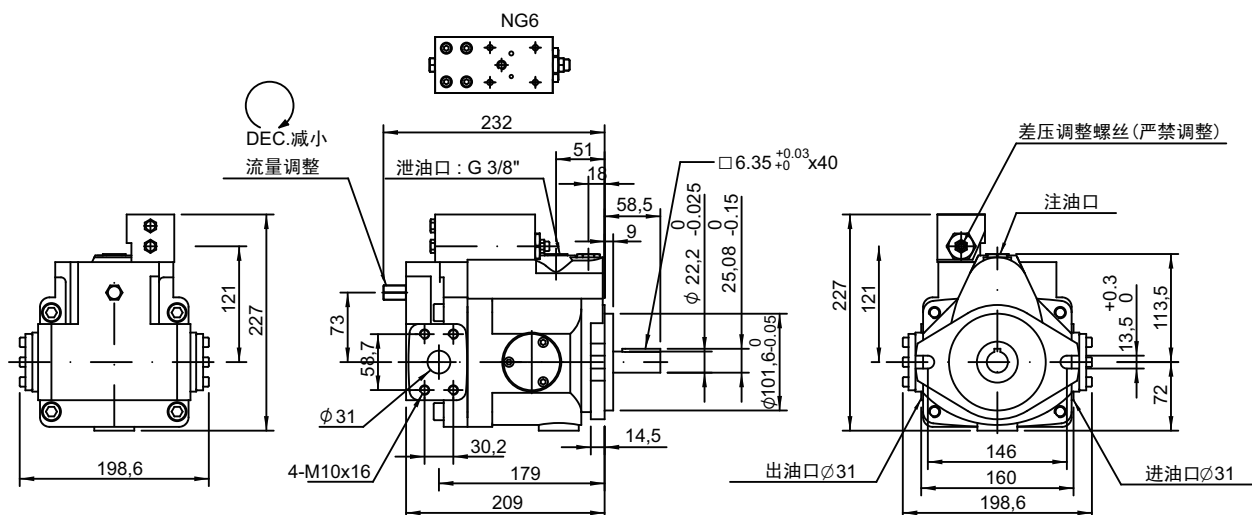


## 外型尺寸

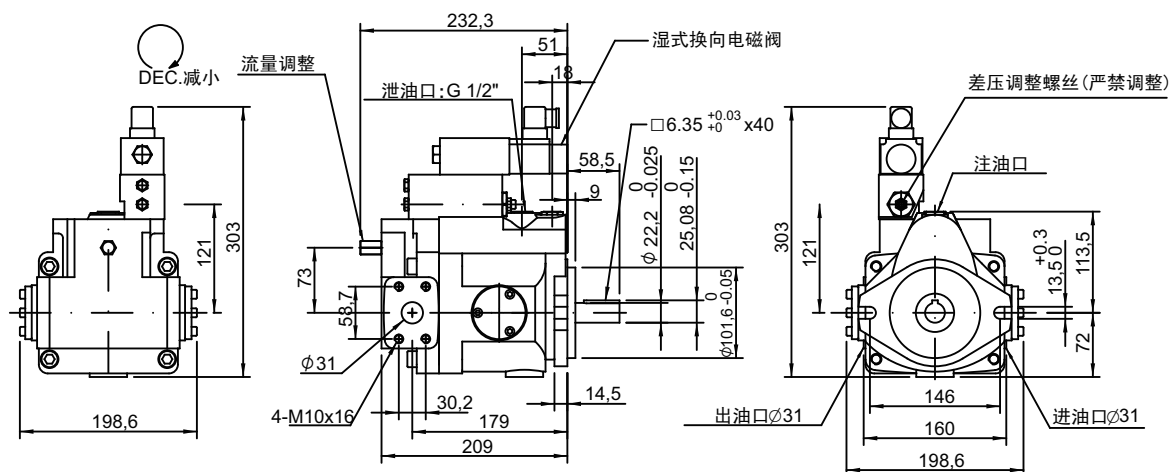
V38FG, V42FG 电控两段压力+两段流量控制+遥控



V38GM, V42GM 遥控型调节器(含NG6接口)



V38GJ, V42GJ 遥控型调节器+比例压力



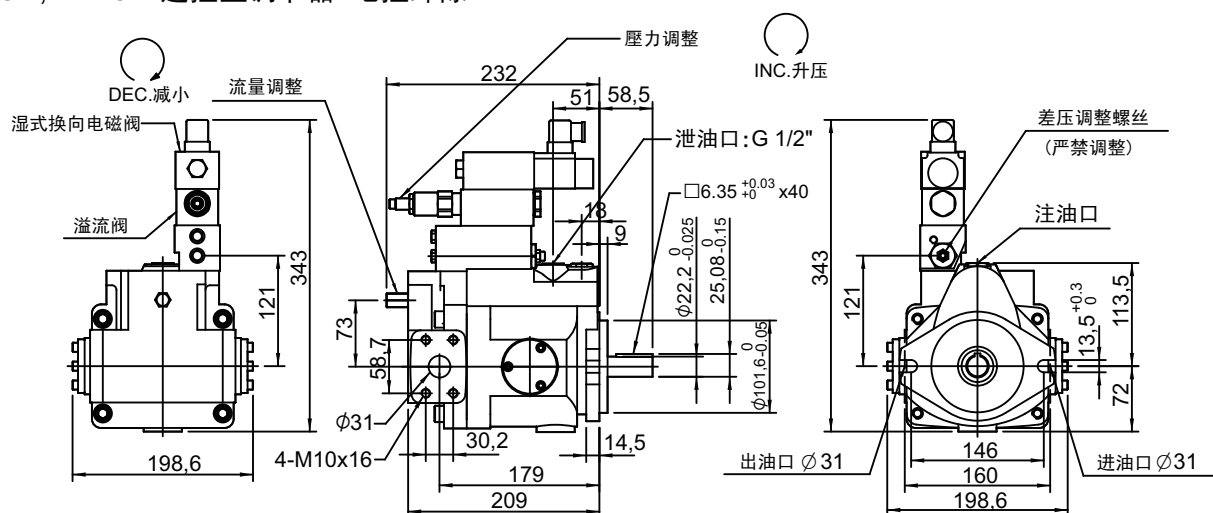
## 外型尺寸

A

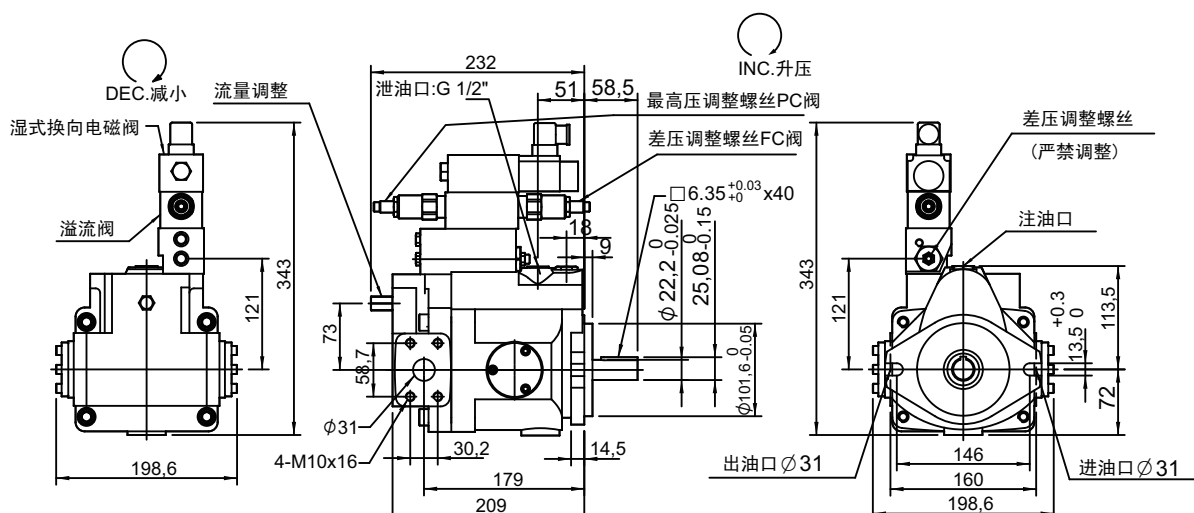
30

V 系列轴向柱塞泵

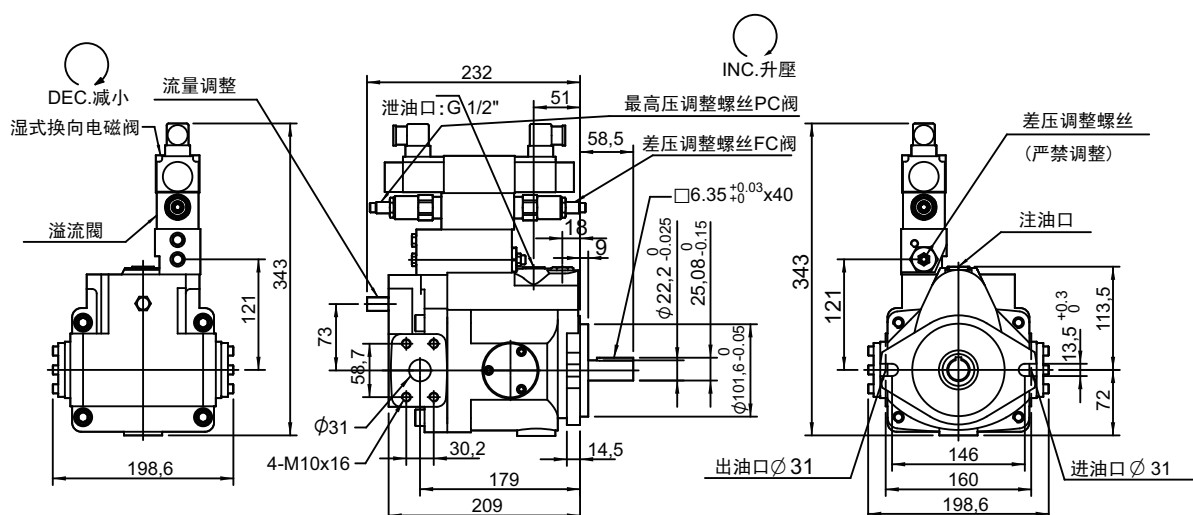
V38GR, V42GR 遥控型调节器+电控卸除



V38GB, V42GB 遥控型调节器+电控两段压力



V38GC, V42GC 遥控型调节器+电控卸除+两段压力



Technical drawing of the HPS-1000 hydraulic pump, showing three views: side view, front view, and top view. The drawing includes detailed dimensions and specifications.

**Dimensions (mm):**

- Overall width: 262.3
- Overall height: 284
- Front view width: 146
- Front view height: 113.5
- Top view width: 160
- Top view height: 262.3
- Side view width: 280
- Side view height: 119
- Side view depth: 58.5
- Side view width: 19
- Side view height: 18
- Side view width: 14.5
- Side view height: 148.5
- Side view width: 209
- Side view height: 73
- Side view width: 262.3
- Side view height: 284
- Side view width: 146
- Side view height: 113.5
- Side view width: 160
- Side view height: 262.3

**Specifications:**

- 泄油口: G 1/2"
- 出口口: 配管螺纹
- 10: PT(RC) 1"
- 40: G 1"
- 50: NPT 1"
- 比例式流量控制阀
- 差压调整螺丝 (严禁调整)
- 最高压调整螺丝
- 注油口
- 进油口  $\varnothing 31$
- DEC. 减小流量调整
- $\square 6.35^{+0.03}_{-0}$  x40
- $\phi 22.2^{-0.025}_{-0}$
- $25.08^{-0.15}_{0}$
- $\phi 101.6^{-0.05}_{0}$
- $39$
- $33$
- $121$
- $75$
- $72$
- $+0.3$
- $13.5$
- $0$

**Figure 1: Main Dimensions**

The drawing shows three views of the HVP-06 hydraulic pump with the following dimensions and labels:

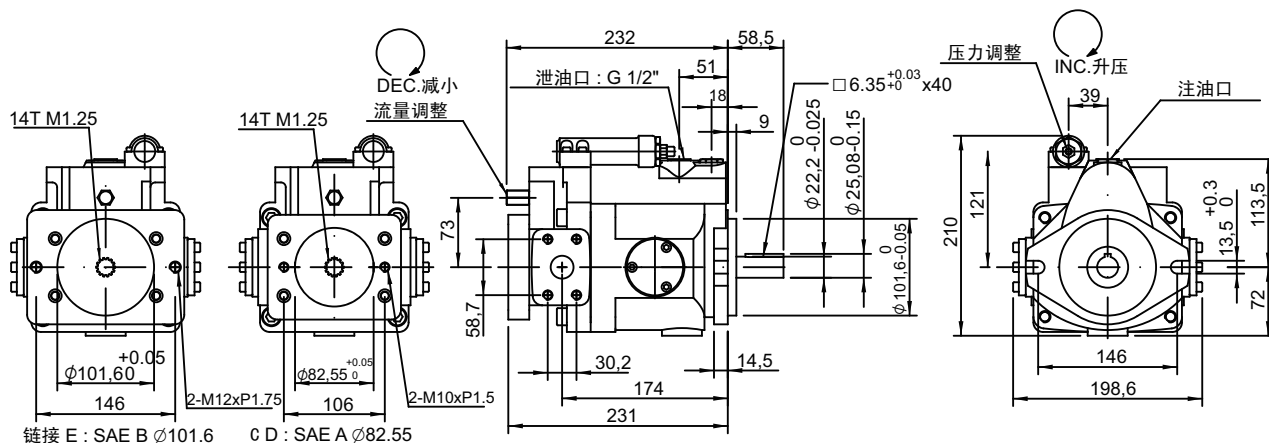
- Front View (Left):** Shows the overall width of 262.3 mm and height of 284 mm. It includes a flow adjustment screw labeled "流量调整" and a pressure reduction symbol "DEC.减小".
- Side View (Middle):** Shows the profile with a total length of 292.1 mm. Key features include:
  - 泄油口: G 1/2"
  - 比例式电磁压力控制阀
  - 比例式流量控制阀
  - 出油口配管螺纹: 10: PT(RC) 1", 40: G 1", 50: NPT 1"
  - Dimensions: 73, 119, 51, 18, 9, 58.5, 148.5, 14.5, 209.
- Top View (Right):** Shows the base with a total width of 262 mm. Key features include:
  - 进油口 Ø31
  - 泄油口: PT1/4"
  - 最高压调整螺丝 (严禁调整)
  - 差压调整螺丝 (严禁调整)
  - 注油口
  - DR (Drainage Port)
  - Dimensions: 121, 33, 37, 146, 140, 75, 160, 113.5, 72, 13.5, +0.3, 0.

V 38 — D  
V 38 — E

| 型式   | A | B | C | CG | CR | D | DG | E | EG | F | FG | G | GJ | GM | HL | HK | HQ |
|------|---|---|---|----|----|---|----|---|----|---|----|---|----|----|----|----|----|
| ○为可选 | ○ |   |   |    |    | ○ | ○  | ○ | ○  |   |    | ○ | ○  | ○  | ○  | ○  | ○  |

为通用准备可选用的控制型式

为通轴准备可选用的控制型式



## 外型尺寸

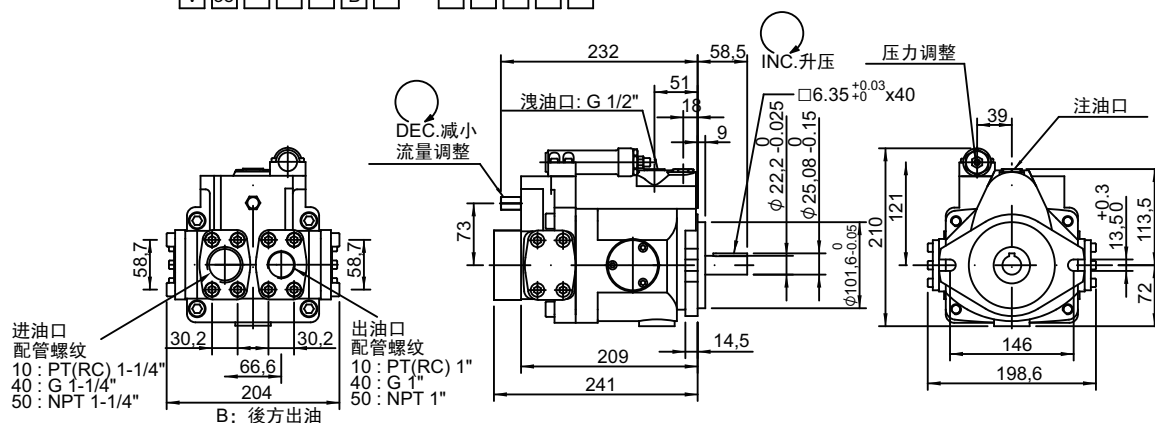
A

32

V 系列轴向柱塞泵

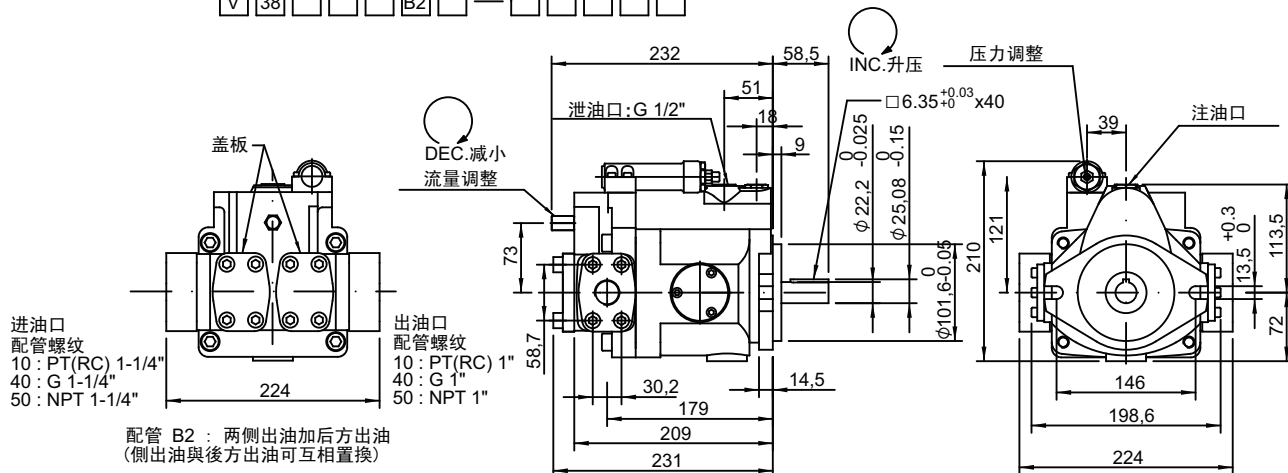
V38, V42 后方出油(需特别注明订货代码 NO.6 加B)

V 38 □ □ □ □ B □ — □ □ □ □ □



V38, V42 4 两侧出油加后方出油(需特别注明订货代码 NO.6 加B2)

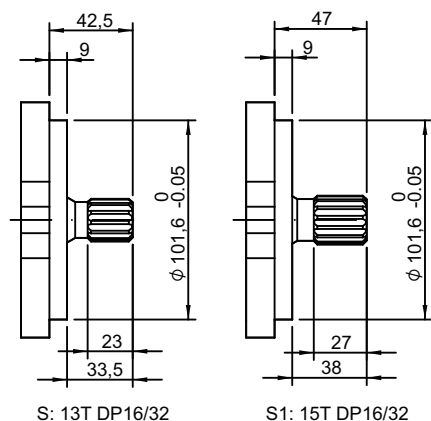
V 38 □ □ □ □ B2 □ — □ □ □ □ □



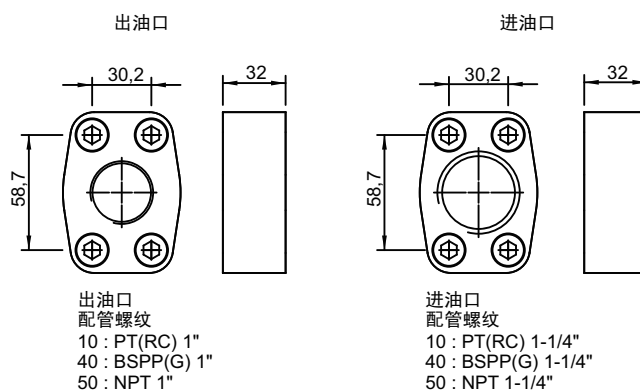
| 型式 | A | B | C | CG | D | DG | E | EG | F | FG | G | GJ | GM | HL | HK | HQ |
|----|---|---|---|----|---|----|---|----|---|----|---|----|----|----|----|----|
|    | ○ | ○ | ○ | ○  |   |    |   |    | ○ | ○  | ○ | ○  | ○  | ○  |    |    |

后方出油可选用的控制型式

V38, V42 梅花轴心型式

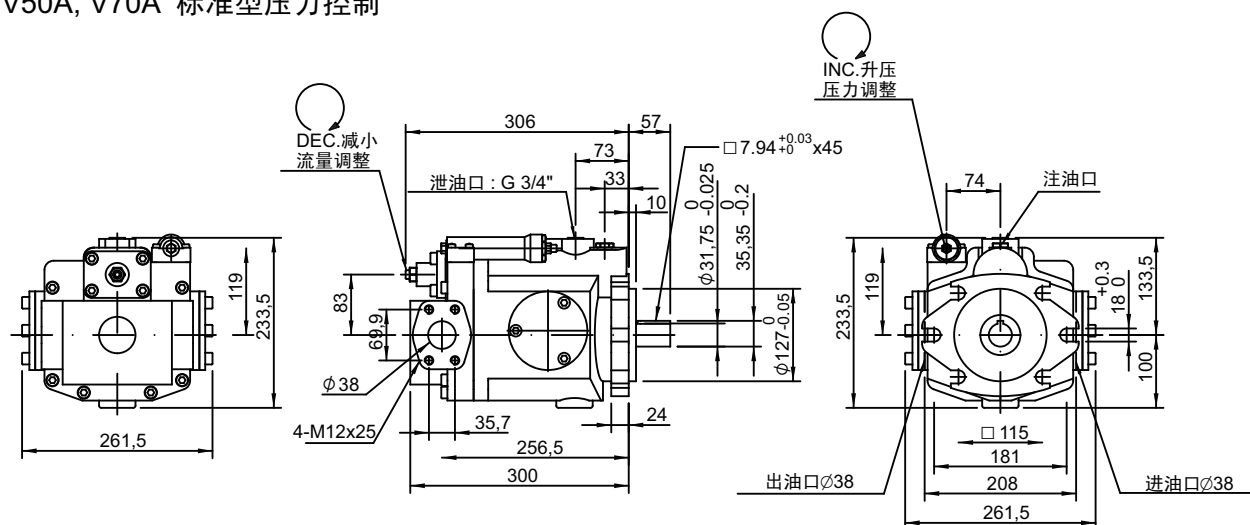


V38, V42 进出油法兰

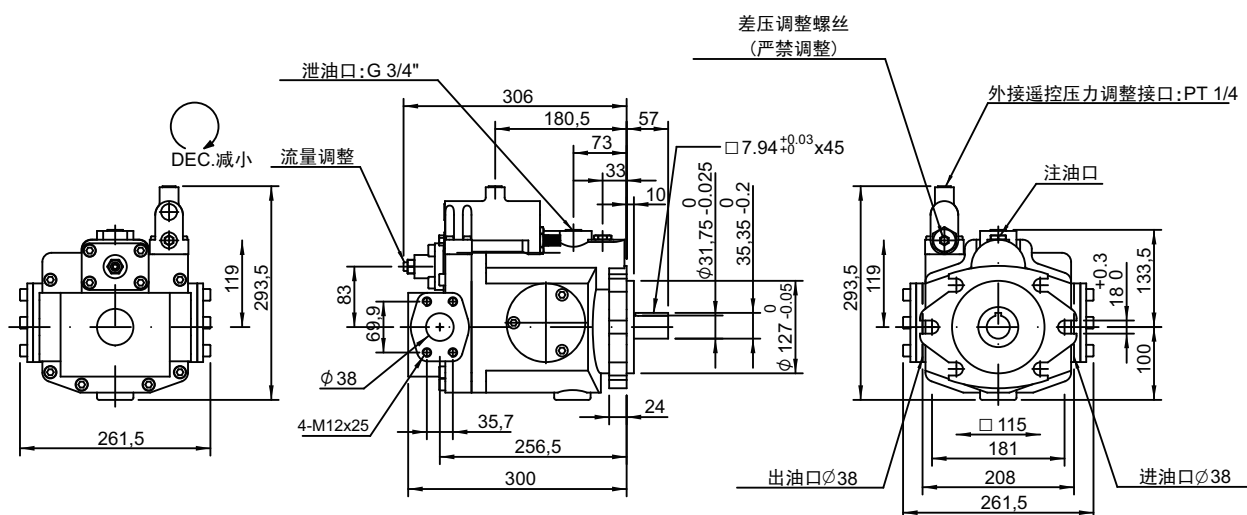


## 外型尺寸

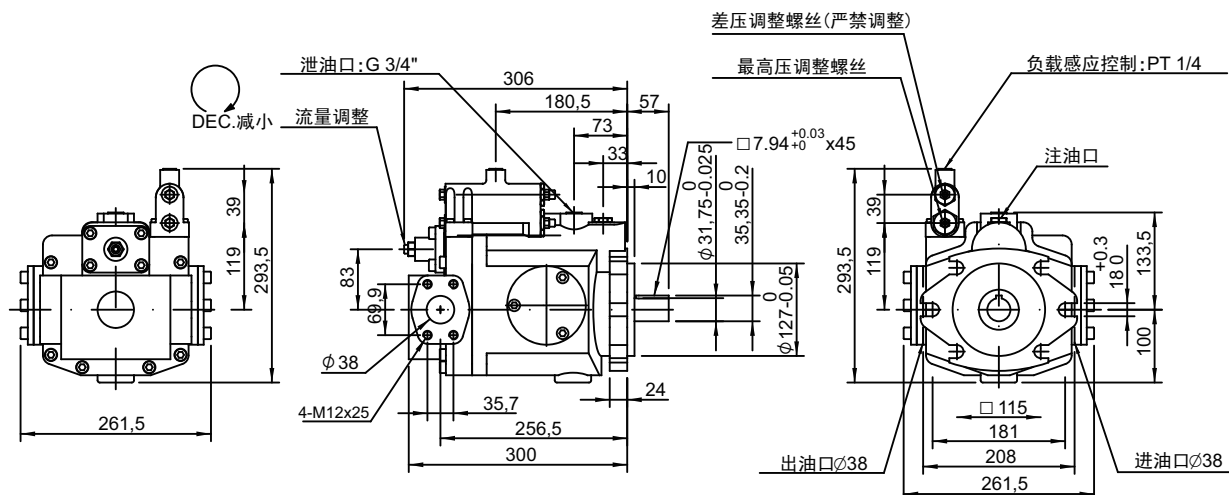
V50A, V70A 标准型压力控制



V50G, V70G 遥控型压力控制



V50HL, V70HL 负载感应型控制



## 外型尺寸

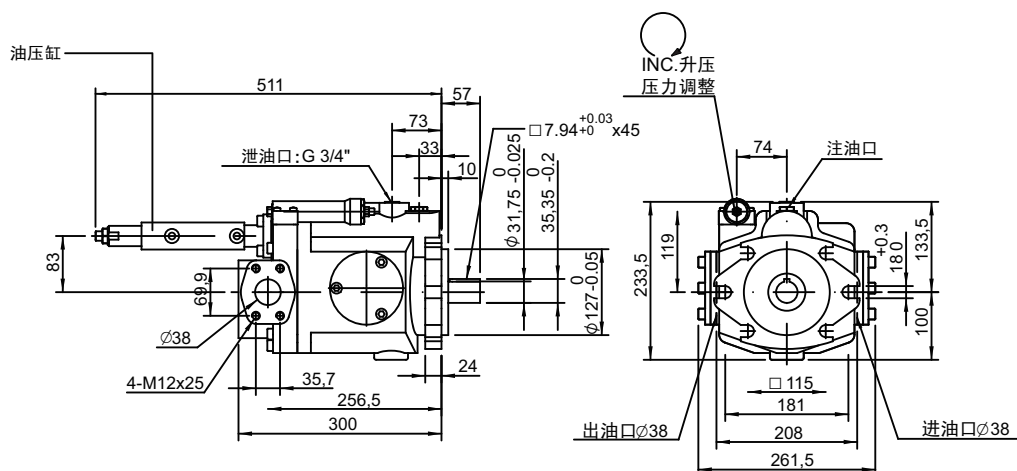
A

34

V 系列轴向柱塞泵

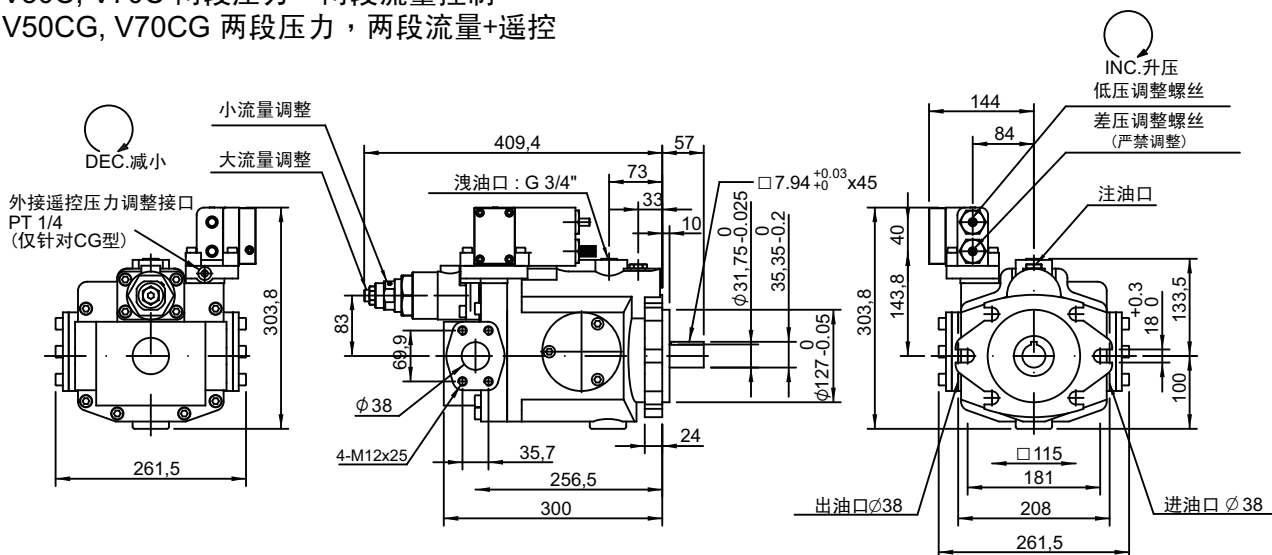
V50B, V70B 无段变速, 外接油压缸, 流量可任意变化控制

(注: 仅搭配A型, 标准压力补偿控制)

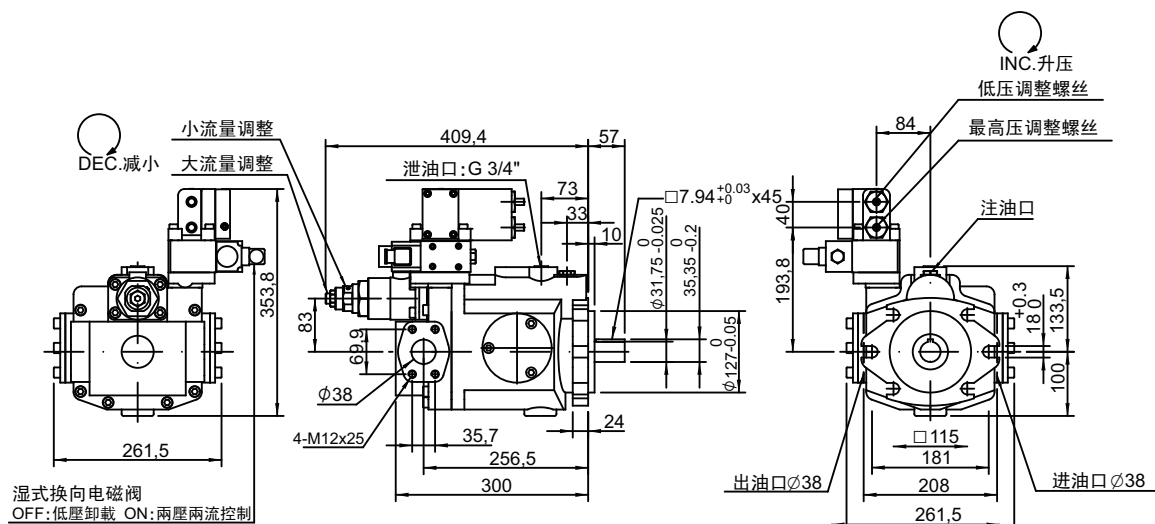


V50C, V70C 两段压力, 两段流量控制

V50CG, V70CG 两段压力, 两段流量+遥控



V50CR, V50CR 两段压力, 两段流量控制+低压卸除



## 外型尺寸

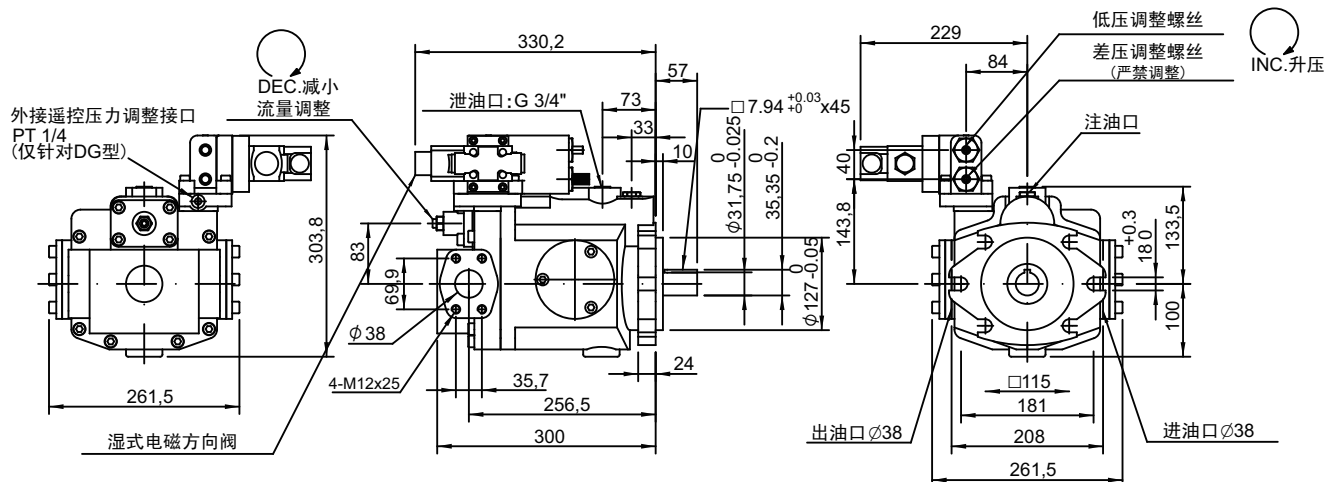
V50D, V70D 低压卸除+压力控制

V50DG, V70DG 低压卸除+压力控制+遥控

A

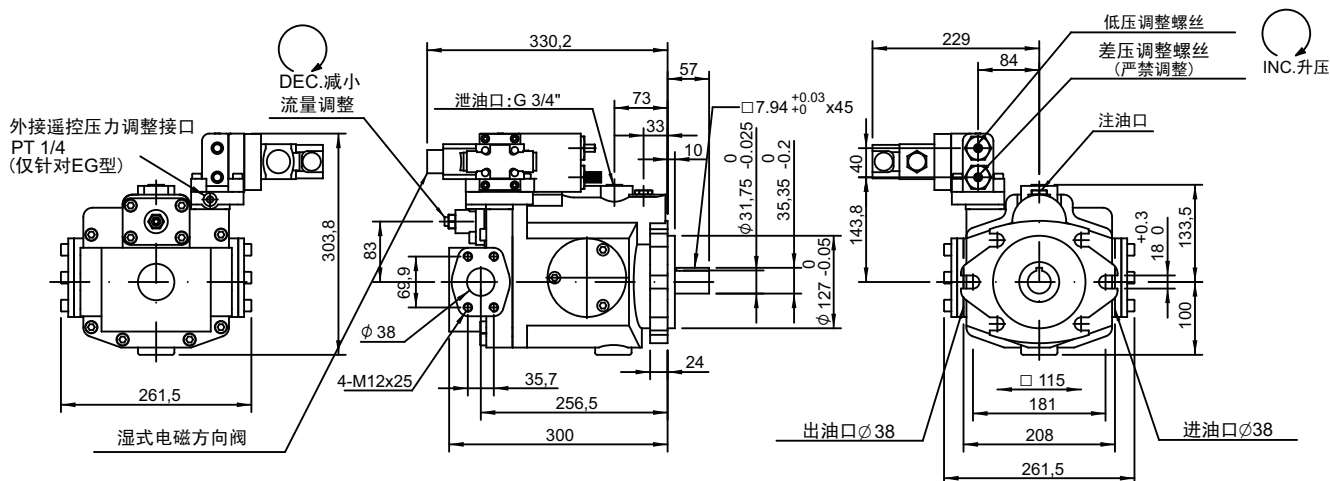
35

V 系列轴向柱塞泵



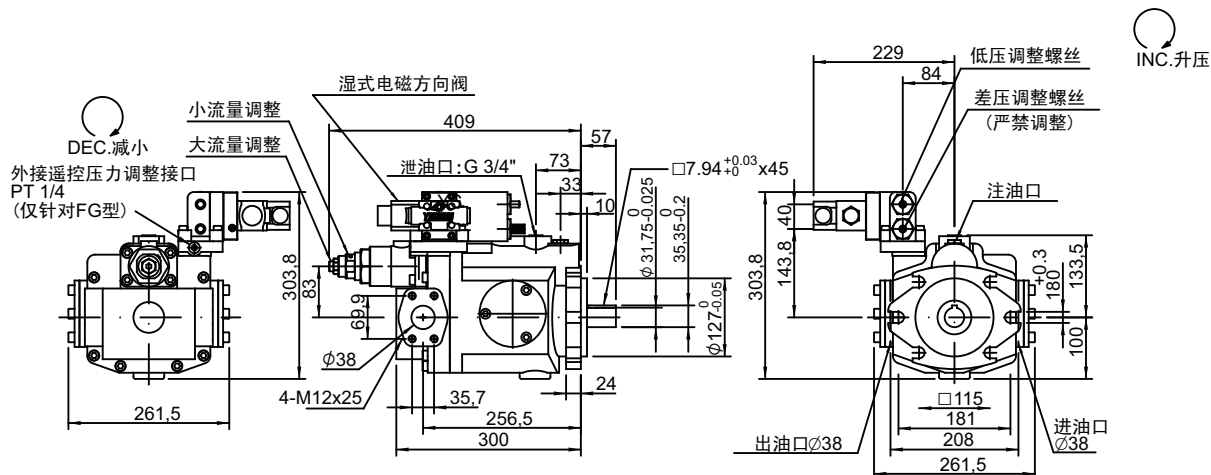
V50E, V70E 电控两段压力控制

V50EG, V70EG 电控两段压力控制+遥控

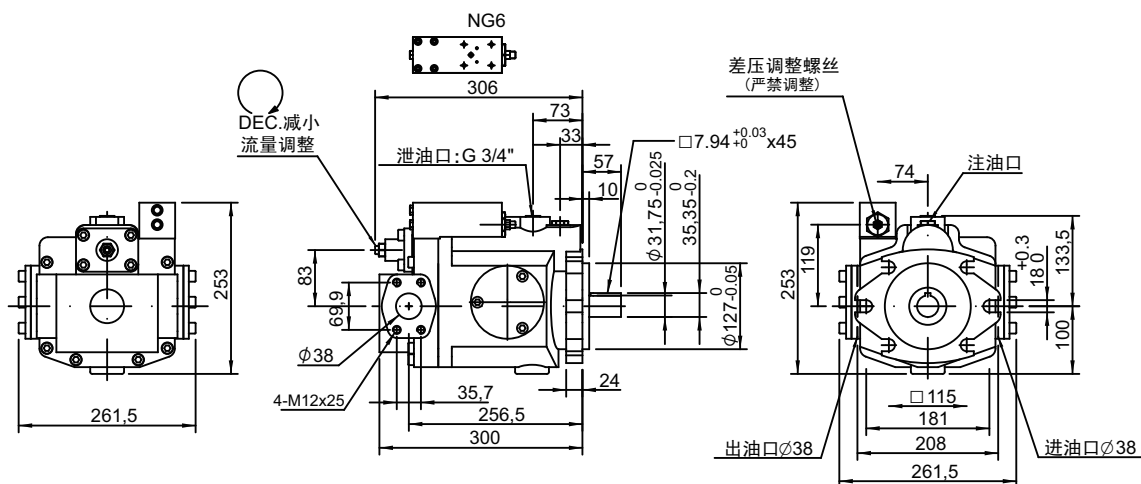


V50F, V70F 电控两段压力+两段流量控制

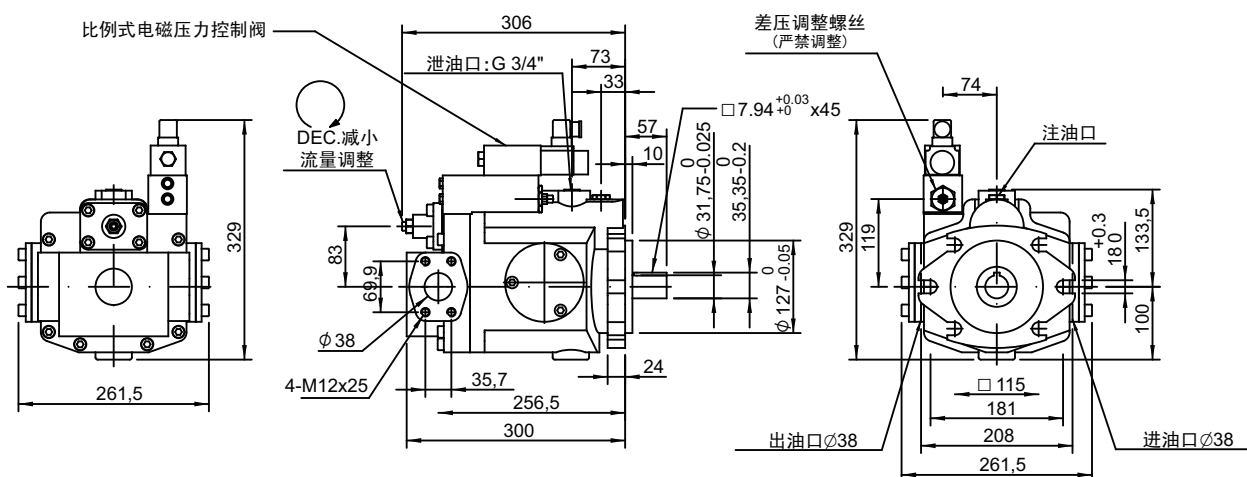
V50FG, V70FG 电控两段压力+两段流量控制+遥控



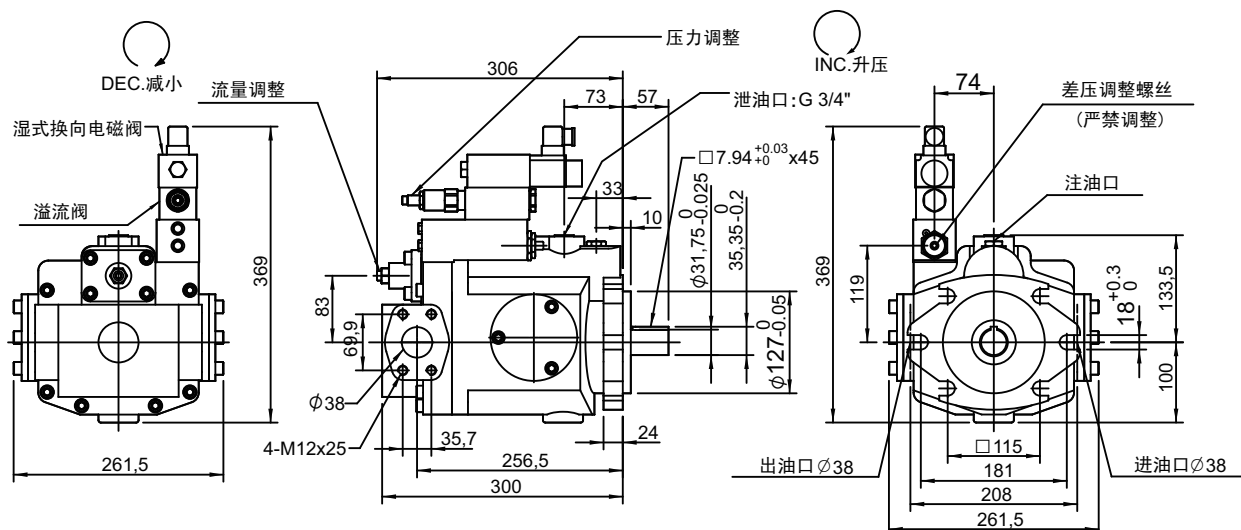
### V50GM, V70GM 遥控型调节器(含NG6接口)



### V50GJ, V70GJ 遥控型调节器+比例压力

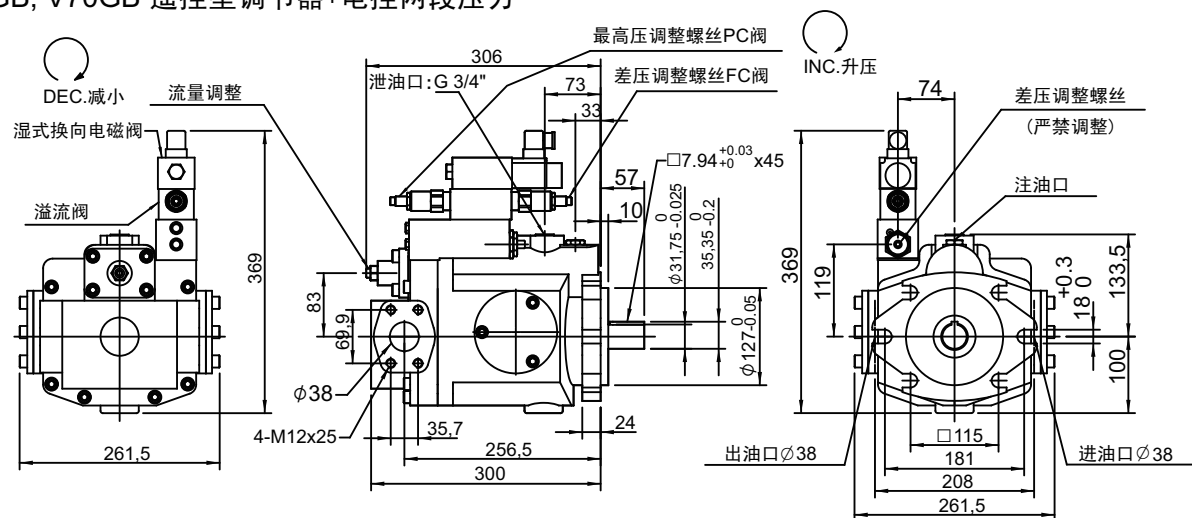


### V50GR, V70GR 遥控型调节器+电控卸除

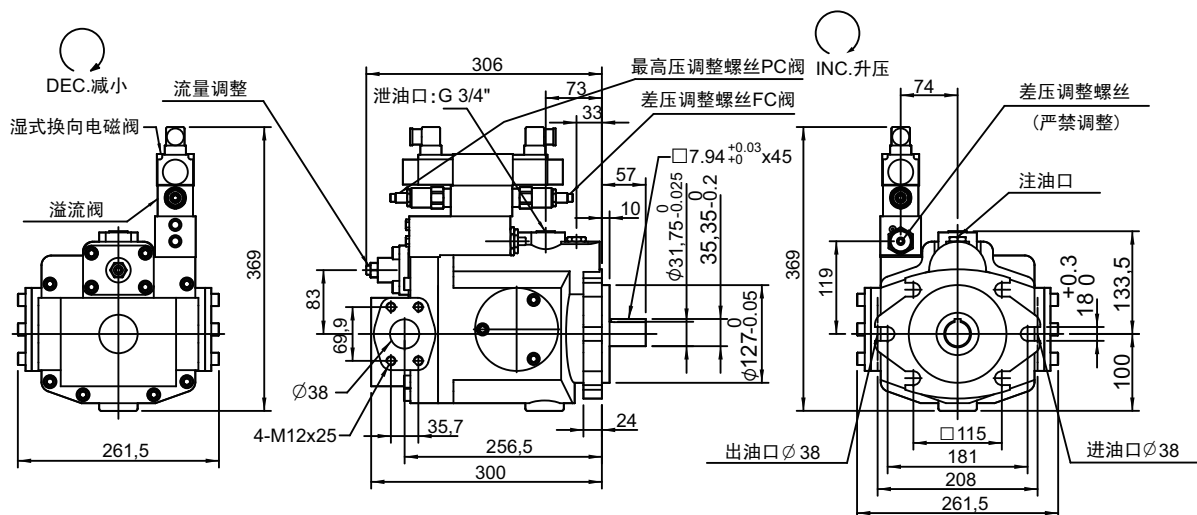


## 外型尺寸

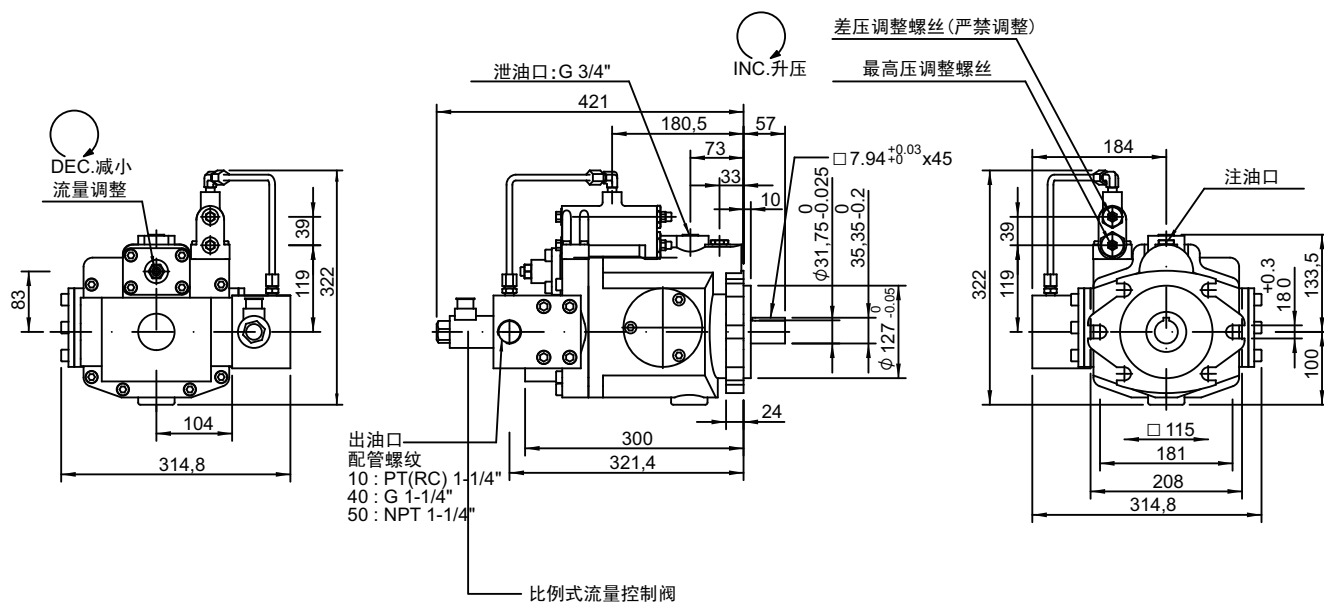
V50GB, V70GB 遥控型调节器+电控两段压力



V50GC, V70GC 遥控型调节器+电控卸除+两段压力



V50HQ, V70HQ 负载感应型调节器+比例流量+溢流阀





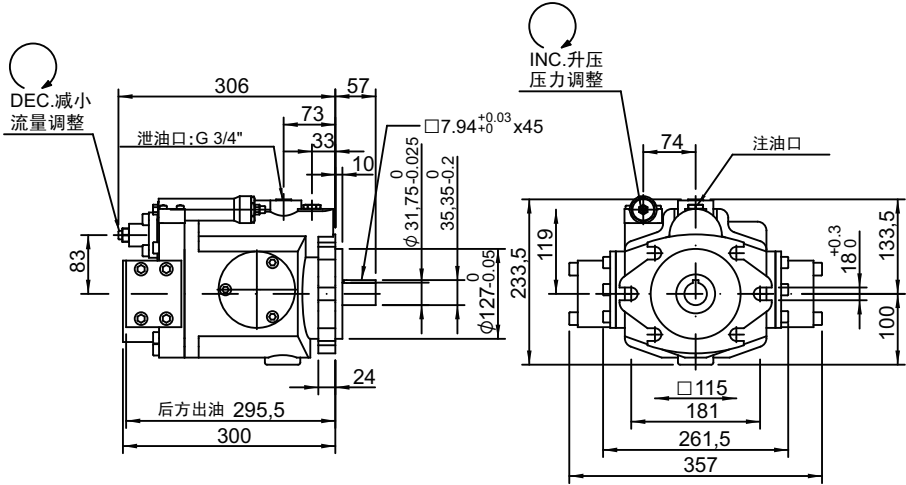
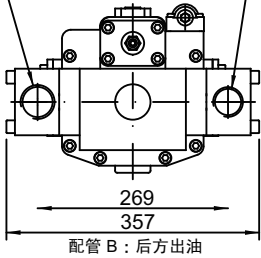
外型尺寸

V50, V70 后方出油 (需特别注明订货代码 NO.6 加B)

V 50 B —

进油口  
配管螺纹  
10 : PT(RC) 1-1/2"  
40 : G 1-1/2"  
50 : NPT 1-1/2"  
60 : SAE-20  
(1-5/8"-12UN)

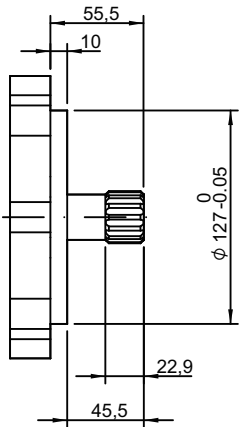
出油口  
配管螺纹  
10 : PT(RC) 1-1/4"  
40 : G 1-1/4"  
50 : NPT 1-1/4"  
60 : SAE-20  
(1-5/8"-12UN)



| 型式 | A | B | C | CR | CG | D | DG | E | EG | F | FG | G | GJ | GM | HL | HK | HQ |
|----|---|---|---|----|----|---|----|---|----|---|----|---|----|----|----|----|----|
|    | ○ | ○ | ○ | ○  | ○  | ○ | ○  | ○ | ○  | ○ | ○  | ○ | ○  | ○  | ○  |    |    |

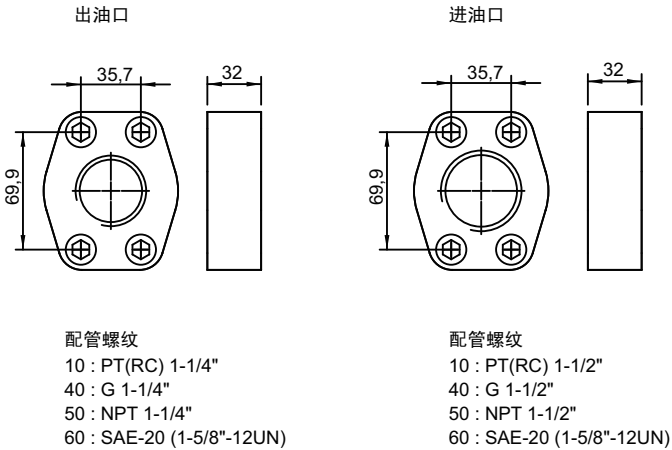
为通轴准备可选用的控制型式

V50, V70 梅花轴心型式



S: 14T DP12/24

V50, V70 进出油法兰





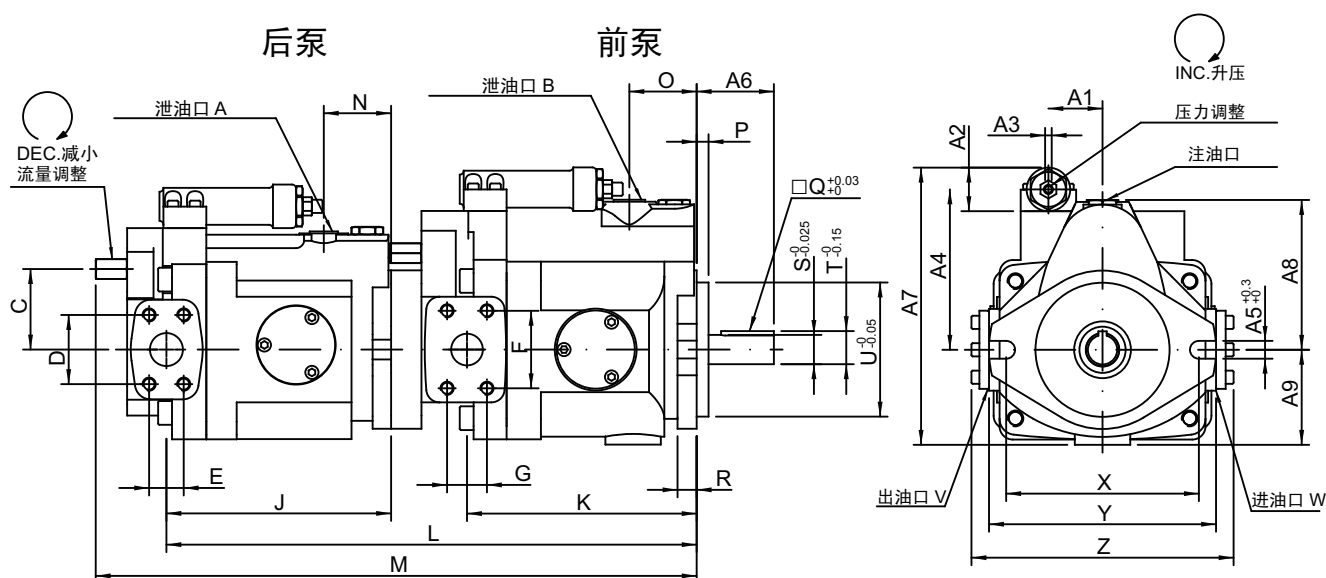
# 柱塞双连泵浦(各排量双连搭配表)

A

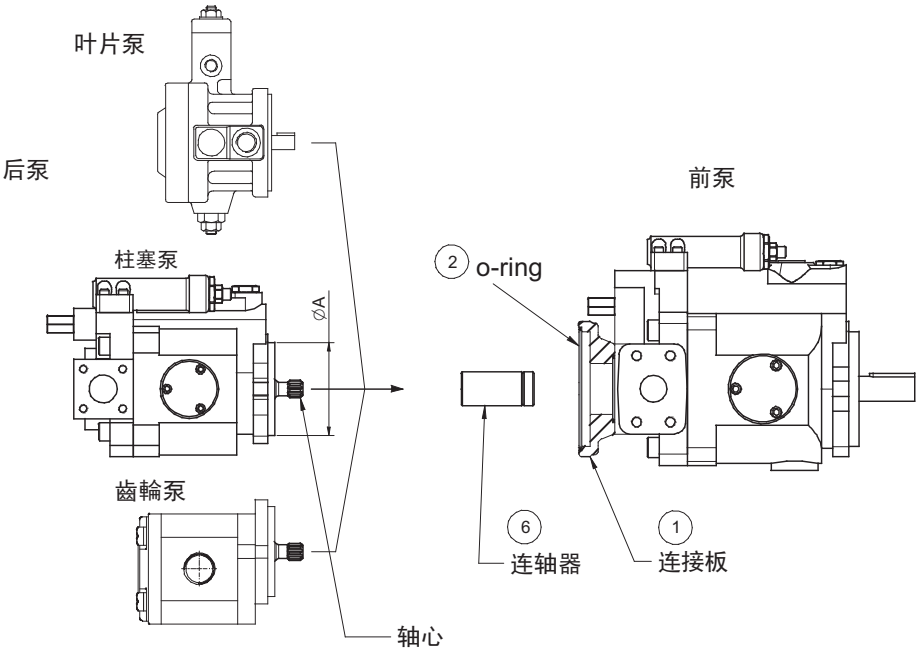
40

V 系列轴向柱塞泵

| 前泵 | V15 (V18) | V23 (V25) | V23 (V25) | V38 (V42) | V38 (V42) | V38 (V42) | V50 (V70) | V50 (V70) | V50 (V70) |
|----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 后泵 | V15 (V18) | V15 (V18) | V23 (V25) | V15 (V18) | V23 (V25) | V38 (V42) | V15 (V18) | V23 (V25) | V38 (V42) |
| A  | G 3/8"    | G 3/8"    | G 3/8"    | G 3/8"    | G 3/8"    | G 1/2"    | G 3/8"    | G 3/8"    | G 1/2"    |
| B  | G 3/8"    | G 3/8"    | G 3/8"    | G 1/2"    | G 1/2"    | G 1/2"    | G 3/4"    | G 3/4"    | G 3/4"    |
| C  | 57.45     | 57.45     | 61        | 57.45     | 61        | 73        | 57.45     | 61        | 73        |
| D  | 35.1      | 35.1      | 52.4      | 35.1      | 52.4      | 58.7      | 35.1      | 52.4      | 58.7      |
| E  | 35.1      | 35.1      | 26.2      | 35.1      | 26.2      | 30.2      | 35.1      | 26.2      | 30.2      |
| F  | 35.1      | 52.4      | 52.4      | 58.7      | 58.7      | 58.7      | 69.9      | 69.9      | 69.9      |
| G  | 35.1      | 26.2      | 26.2      | 30.2      | 30.2      | 30.2      | 35.7      | 35.7      | 35.7      |
| H  | M8x20     | M8x20     | M10x16    | M8x20     | M10x16    | M10x16    | M8x20     | M10x16    | M10x16    |
| I  | M8x20     | M10x16    | M10x16    | M10x16    | M10x16    | M10x16    | M12x25    | M12x25    | M12x25    |
| J  | 147       | 147       | 170       | 147       | 170       | 179       | 147       | 170       | 179       |
| K  | 147       | 170       | 170       | 179       | 179       | 179       | 256.5     | 256.5     | 256.5     |
| L  | 332       | 369       | 402       | 378       | 401       | 410       | 464       | 493       | 502       |
| M  | 382       | 419       | 455       | 428       | 454       | 465       | 515       | 546       | 555       |
| N  | 48        | 48        | 51        | 48        |           | 51        | 48        | 51        | 51        |
| O  | 48        | 51        | 51        | 51        | 51        | 51        | 73        | 73        | 73        |
| P  | 6         | 9         | 9         | 9         | 9         | 9         | 10        | 10        | 10        |
| Q  | 4.76x32   | 6.35x40   | 6.35x40   | 6.35x40   | 6.35x40   | 6.35x40   | 7.94x45   | 7.94x45   | 7.94x45   |
| R  | 13        | 14        | 14        | 14.5      | 14.5      | 14.5      | 24        | 24        | 24        |
| S  | Ø19.05    | Ø22.22    | Ø22.22    | Ø22.22    | Ø22.22    | Ø22.22    | Ø31.75    | Ø31.75    | Ø31.75    |
| T  | 21.15     | 25.08     | 25.08     | 25.08     | 25.08     | 25.08     | 35.35     | 35.35     | 35.35     |
| U  | Ø82.55    | Ø101.6    | Ø101.6    | Ø101.6    | Ø101.6    | Ø101.6    | Ø127      | Ø127      | Ø127      |
| V  | Ø25       | Ø25       | Ø25       | Ø31       | Ø31       | Ø31       | Ø38       | Ø38       | Ø38       |
| W  | Ø25       | Ø25       | Ø25       | Ø31       | Ø31       | Ø31       | Ø38       | Ø38       | Ø38       |
| X  | 106       | 146       | 146       | 146       | 146       | 146       | 181       | 181       | 181       |
| Y  | 131       | 146       | 146       | 160       | 160       | 160       | 208       | 208       | 208       |
| Z  | 165       | 182       | 182       | 198.6     | 198.6     | 198.6     | 261.5     | 261.5     | 261.5     |
| A1 | 44        | 39        | 39        | 39        | 39        | 39        | 74        | 74        | 74        |
| A2 | 31.2      | 31.2      | 31.2      | 31.2      | 31.2      | 31.2      | 40        | 40        | 40        |
| A3 | 5         | 5         | 5         | 5         | 5         | 5         | 8         | 8         | 8         |
| A4 | 84        | 110       | 110       | 121       | 121       | 121       | 119       | 119       | 119       |
| A5 | 11        | 13.5      | 13.5      | 13.5      | 13.5      | 13.5      | 18        | 18        | 18        |
| A6 | 44.5      | 58.5      | 58.5      | 58.5      | 58.5      | 58.5      | 57        | 57        | 57        |
| A7 | 160       | 193       | 193       | 210       | 210       | 210       | 233.5     | 233.5     | 233.5     |
| A8 | 91.5      | 93        | 93        | 113.5     | 113.5     | 113.5     | 133.5     | 133.5     | 133.5     |
| A9 | 60        | 68        | 68        | 72        | 72        | 72        | 100       | 100       | 100       |



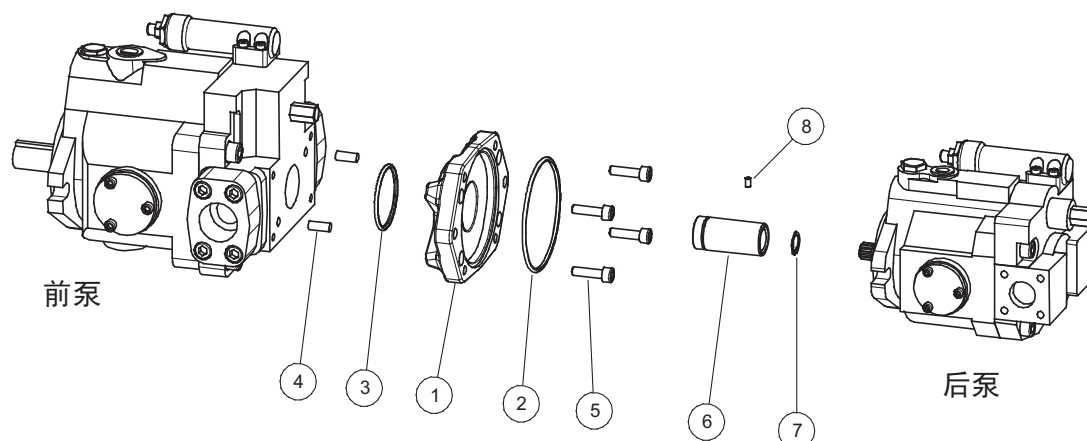
联轴器订货表



| 件号    | 前泵       | 后泵                                                                            |                                  |                                                | ⑥联轴器        |
|-------|----------|-------------------------------------------------------------------------------|----------------------------------|------------------------------------------------|-------------|
|       | 型号       | 型号                                                                            | ØA                               | 轴                                              |             |
| 15-1  | V15,V18  | Piston pump: V15~18, AR16~22<br>Gear pump: HGP-3A                             | SAE Ø 82.55                      | 9T 16/32 DP                                    | COUP-V15+15 |
| 23-1  | V23, V25 | Piston pump: V15~18, AR16~22<br>Gear pump: HGP-3A                             | SAE A Ø82.559T                   | 9T 16/32 DP                                    | COUP-V23-1  |
| 23-3A |          | Vane pump: F30,F40,PV2R1                                                      | Vane pump Ø95.02                 | 13T 16/32 DP                                   | COUP-V23-3  |
| 23-5  |          |                                                                               |                                  | Cylindric Ø19.05*4.76                          | COUP-V23-5  |
| 23-6  |          | Piston pump: V23~25<br>Vane pump: T6C                                         | SAE B Ø101.6<br>Metric Ø100      | Cylindric Ø22.22*6.35<br>Cylindric Ø22.22*4.76 | COUP-V23-6  |
| 23-3B |          |                                                                               |                                  | 13T 16/32 DP                                   | COUP-V23-3  |
| 38-1  | V38, V42 | Vane pump: T6C<br>Gear pump: HGP-3A                                           | SAE A Ø82.55<br>Vane pump Ø95.02 | 9T 16/32 DP                                    | COUP-V38-1  |
| 38-3A |          | Piston pump: F30,F40,PV2R1                                                    |                                  | 13T 16/32 DP                                   | COUP-V38-3  |
| 38-5  |          |                                                                               |                                  | Cylindric Ø19.05*4.76                          | COUP-V38-5  |
| 38-6  | V38, V42 | Piston pump: V23~25, V38~V42<br>Vane pump: T6C                                | SAE B Ø101.6<br>Metric Ø100      | Cylindric Ø22.22*6.35<br>Cylindric Ø22.22*4.76 | COUP-V38-6  |
| 38-7  |          | Piston pump: PV016~023<br>Vane pump: PV2R2                                    |                                  | Cylindric Ø25.4*6.35                           | COUP-V38-7  |
| 38-3B |          |                                                                               |                                  | 13T 16/32 DP                                   | COUP-V38-3  |
| 38-4  |          |                                                                               |                                  | 15T 16/32 DP                                   | COUP-V38-4  |
| 70-1  | V50, V70 | Piston pump: V15~18, AR16~22<br>Gear pump: HGP-3A<br>Vane pump: F30,F40,PV2R1 | SAE A Ø82.55<br>Vane pump Ø95.02 | 9T 16/32 DP                                    | COUP-V70-1  |
| 70-3A |          |                                                                               |                                  | 13T 16/32 DP                                   | COUP-V70-3  |
| 70-5  |          |                                                                               |                                  | Cylindric Ø19.05*4.76                          | COUP-V70-5  |
| 70-6  |          | Piston pump: V23~25, V38~V42<br>Vane pump: T6C                                | SAE B Ø101.6<br>Metric Ø100      | Cylindric Ø22.22*6.35<br>Cylindric Ø22.22*4.76 | COUP-V70-6  |
| 70-7  |          | Piston pump: PV016~023<br>Vane pump: PV2R2                                    |                                  | Cylindric Ø25.4*6.35                           | COUP-V70-7  |
| 70-3B |          |                                                                               |                                  | 13T 16/32 DP                                   | COUP-V70-3  |
| 70-4  |          |                                                                               |                                  | 15T 16/32 DP                                   | COUP-V70-4  |

| Ø A              | ① 连接板    | ② O-ring |
|------------------|----------|----------|
| SAE A Ø82.55     | 23A-83-D | G80      |
| Vane pump Ø95.02 | 23A-83-G | G95      |
| SAE B Ø101.6     | 23A-83-E | G100     |
| Metric Ø100      | 23A-83-J | G100     |

## 联轴器及其他零件

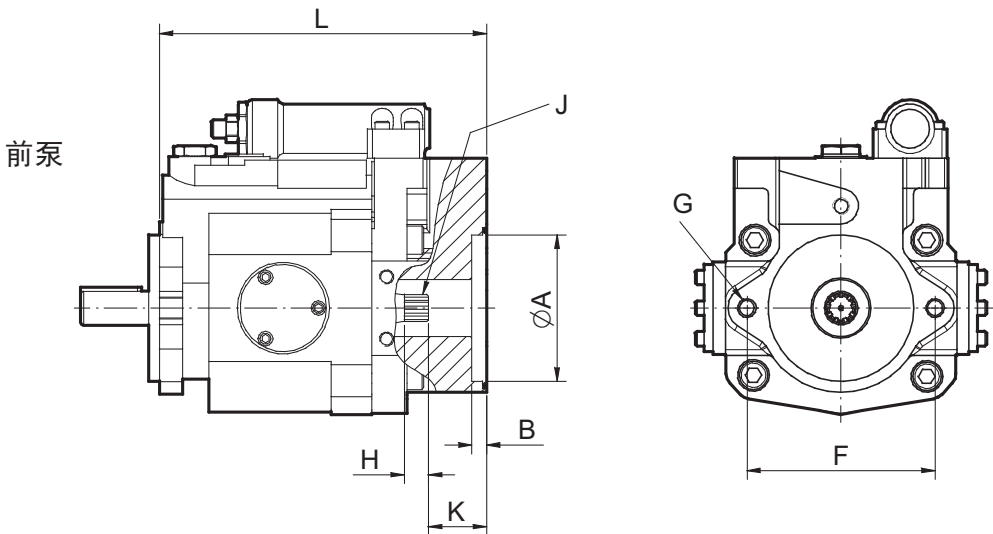


| ⑥ 联轴器       | ⑦ 扣环 | 以后泵决定是否使用                    |                       |                        | ⑧ 无头螺丝 |
|-------------|------|------------------------------|-----------------------|------------------------|--------|
|             |      | Piston pump:<br>V15~18, AR16 | Gear pump: HGP-<br>3A | Vane pump: F30,<br>F40 |        |
| COUP-V15+15 | R13  | ●                            | ●                     | ●                      | --     |
| COUP-V23-1  | R13  | ●                            | ●                     |                        | --     |
| COUP-V23-3  | R20  | ●                            |                       |                        | --     |
| COUP-V23-5  | R20  |                              |                       | ●                      | M5 x8  |
| COUP-V23-6  | --   |                              |                       |                        | M5 x8  |
| COUP-V38-1  | R13  | ●                            | ●                     |                        | --     |
| COUP-V38-3  | R20  | ●                            |                       |                        | --     |
| COUP-V38-4  | --   |                              |                       |                        | --     |
| COUP-V38-5  | R20  |                              |                       | ●                      | M5 x8  |
| COUP-V38-6  | --   |                              |                       |                        | M5 x8  |
| COUP-V38-7  | --   |                              |                       |                        | M5 x8  |
| COUP-V70-1  | R13  | ●                            | ●                     |                        | --     |
| COUP-V70-3  | R20  | ●                            |                       |                        | --     |
| COUP-V70-4  | --   |                              |                       |                        | --     |
| COUP-V70-5  | R20  |                              |                       | ●                      | M5 x8  |
| COUP-V70-6  | --   |                              |                       |                        | M5 x8  |
| COUP-V70-7  | --   |                              |                       |                        | M5 x8  |

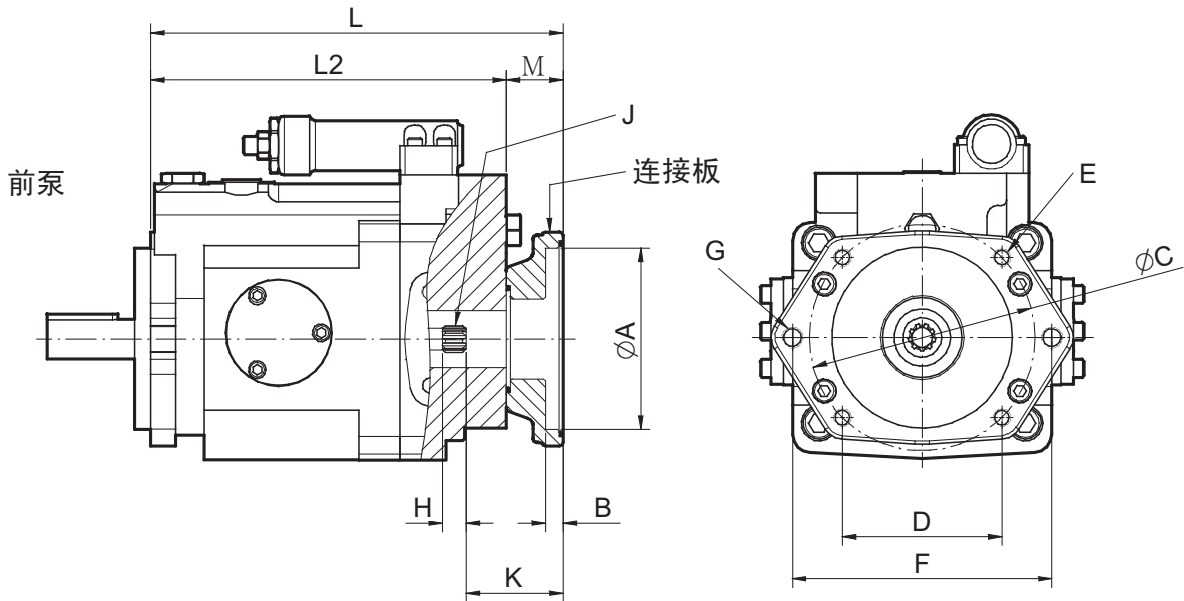
|          |           |
|----------|-----------|
| ③ O-ring | G55       |
| ④ 定位销    | ∅8x16 x2支 |
| ⑤ 固定螺丝   | M8x30 x4支 |

通轴尺寸图

V15,V18



V23~V70



| 型号      |           | 後泵     | ØA   | B    | ØC    | D        | E     | F         | G |
|---------|-----------|--------|------|------|-------|----------|-------|-----------|---|
| V15,V18 | SAE A     | Ø82.55 | 8.35 | --   | --    | --       | 106.3 | M10xP1.5  |   |
| V23~V70 | SAE A     | Ø82.55 | 8.35 | Ø127 | 89.8  | M10xP1.5 | 106.3 | M10xP1.5  |   |
|         | SAE A     | Ø101.6 | 10   | Ø127 | 89.8  | M10xP1.5 | 146   | M12xP1.75 |   |
|         | Metric    | Ø100   | 10   | Ø125 | 88.39 | M10xP1.5 | 140   | M12xP1.75 |   |
|         | Vane Pump | Ø95.02 | 8.35 | --   | 90    | M10xP1.5 | --    | --        |   |

| 型号      |      | K    | H           | J  | M   | L   | L2 |
|---------|------|------|-------------|----|-----|-----|----|
| V15,V18 | 33   | 13.5 | 9T 16/32 DP | -- | 185 | --  |    |
| V23,V25 | 59   | 13.5 | 9T 16/32 DP | 32 | 237 | 205 |    |
| V38,V42 | 66   | 20   | 14T M1.25   | 32 | 241 | 209 |    |
| V50,V70 | 64.4 | 22   | 13T 16/32DP | 32 | 332 | 300 |    |

本公司相关产品经设计变更后恕不另行通

## 双连装配外观尺寸图

A

44

V 系列轴向柱塞泵

示意图 A

前泵 V15, 后泵 V15

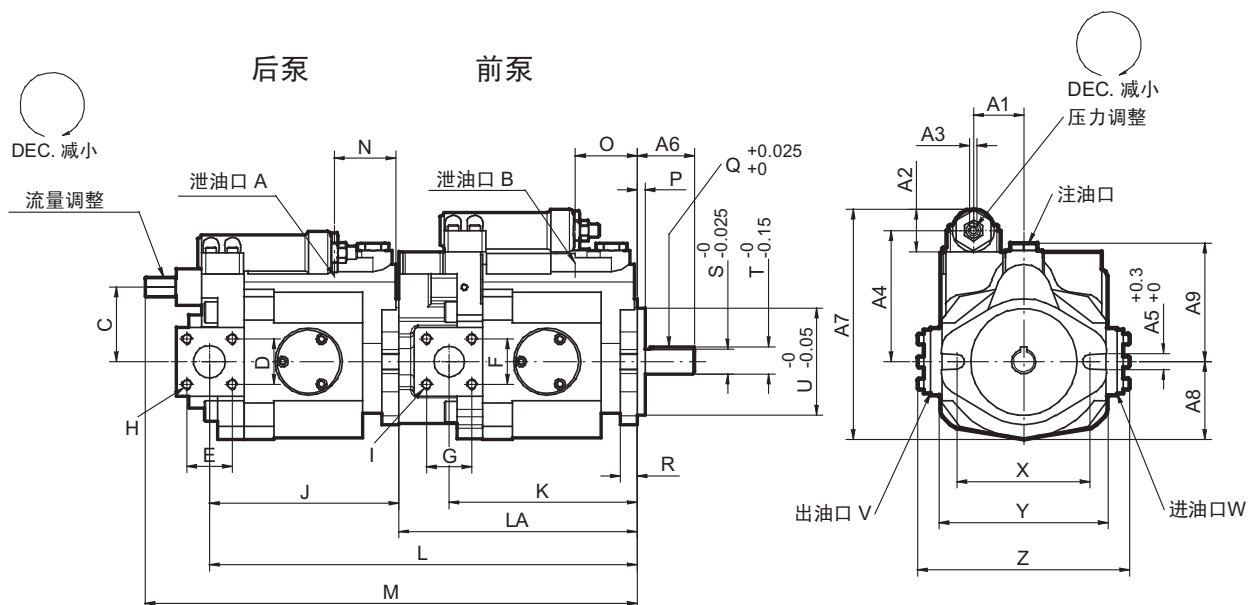
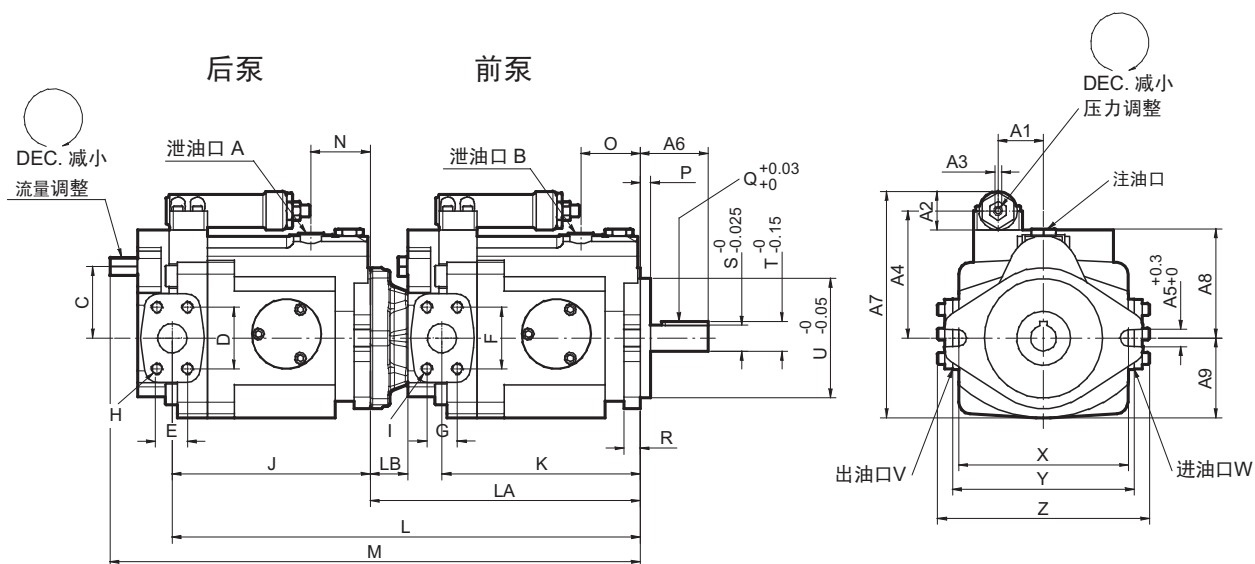


示意图 B

前泵 V23~V70, 后泵 V15~V38



本公司相关产品经设计变更后恕不另行通知

双连装配外观尺寸图

| 前泵      | 后泵      | A                | B                | C     | D    | E    | F    | G    | H           | I            |
|---------|---------|------------------|------------------|-------|------|------|------|------|-------------|--------------|
| V15,V18 | V15,V18 | G 3/8" (RC 3/8") | G 3/8" (RC 3/8") | 57.45 | 35.1 | 35.1 | 35.1 | 35.1 | M8xP1.25x20 | M8xP1.25x20  |
| V23,V25 | V15,V18 | G 3/8" (RC 3/8") | G 3/8" (RC 3/8") | 57.45 | 35.1 | 35.1 | 52.4 | 26.2 | M8xP1.25x20 | M10xP1.5x16  |
| V23,V25 | V23,V25 | G 3/8" (RC 3/8") | G 3/8" (RC 3/8") | 61    | 52.4 | 26.2 | 52.4 | 26.2 | M10xP1.5x16 | M10xP1.5x16  |
| V38,V42 | V15,V18 | G 3/8" (RC 3/8") | G 1/2" (RC 1/2") | 57.45 | 35.1 | 35.1 | 58.7 | 30.2 | M8xP1.25x20 | M10xP1.5x16  |
| V38,V42 | V23,V25 | G 3/8" (RC 3/8") | G 1/2" (RC 1/2") | 61    | 52.4 | 26.2 | 58.7 | 30.2 | M10xP1.5x16 | M10xP1.5x16  |
| V38,V42 | V38,V42 | G 1/2" (RC 1/2") | G 1/2" (RC 1/2") | 73    | 58.7 | 30.2 | 58.7 | 30.2 | M10xP1.5x16 | M10xP1.5x16  |
| V50,V70 | V15,V18 | G 3/8" (RC 3/8") | G 3/4" (RC 3/4") | 57.45 | 35.1 | 35.1 | 69.9 | 35.7 | M8xP1.25x20 | M12xP1.75x25 |
| V50,V70 | V23,V25 | G 3/8" (RC 3/8") | G 3/4" (RC 3/4") | 61    | 52.4 | 26.2 | 69.9 | 35.7 | M10xP1.5x16 | M12xP1.75x25 |
| V50,V70 | V38,V42 | G 1/2" (RC 1/2") | G 3/4" (RC 3/4") | 73    | 58.7 | 30.2 | 69.9 | 35.7 | M10xP1.5x16 | M12xP1.75x25 |

| 前泵      | 后泵      | J   | K     | L   | LA  | LB | M   | N  | O  | P  | Q       | R    | S      | T     | U      |
|---------|---------|-----|-------|-----|-----|----|-----|----|----|----|---------|------|--------|-------|--------|
| V15,V18 | V15,V18 | 147 | 147   | 332 | 185 | -- | 382 | 48 | 48 | 6  | 4.76x32 | 13   | Ø19.05 | 21.15 | Ø82.55 |
| V23,V25 | V15,V18 | 147 | 170   | 384 | 237 | 32 | 411 | 48 | 51 | 9  | 6.35x40 | 14   | Ø22.22 | 25.08 | Ø101.6 |
| V23,V25 | V23,V25 | 170 | 170   | 407 | 237 | 32 | 455 | 51 | 51 | 9  | 6.35x40 | 14   | Ø22.22 | 25.08 | Ø101.6 |
| V38,V42 | V15,V18 | 147 | 179   | 388 | 241 | 32 | 438 | 48 | 51 | 9  | 6.35x40 | 14.5 | Ø22.22 | 25.08 | Ø101.6 |
| V38,V42 | V23,V25 | 170 | 179   | 411 | 241 | 32 | 464 | 51 | 51 | 9  | 6.35x40 | 14.5 | Ø22.22 | 25.08 | Ø101.6 |
| V38,V42 | V38,V42 | 179 | 179   | 420 | 241 | 32 | 473 | 51 | 51 | 9  | 6.35x40 | 14.5 | Ø22.22 | 25.08 | Ø101.6 |
| V50,V70 | V15,V18 | 147 | 256.5 | 479 | 332 | 32 | 529 | 48 | 73 | 10 | 7.94x45 | 24   | Ø31.75 | 35.35 | Ø127   |
| V50,V70 | V23,V25 | 170 | 256.5 | 502 | 332 | 32 | 555 | 51 | 73 | 10 | 7.94x45 | 24   | Ø31.75 | 35.35 | Ø127   |
| V50,V70 | V38,V42 | 179 | 256.5 | 511 | 332 | 32 | 564 | 51 | 73 | 10 | 7.94x45 | 24   | Ø31.75 | 35.35 | Ø127   |

| 前泵      | 后泵      | V   | W   | X   | Y   | Z     | A1 | A2   | A3 | A4  | A5   | A6   | A7    | A8    | A9  |
|---------|---------|-----|-----|-----|-----|-------|----|------|----|-----|------|------|-------|-------|-----|
| V15,V18 | V15,V18 | Ø25 | Ø25 | 106 | 131 | 165   | 44 | 31.2 | 5  | 84  | 11   | 44.5 | 160   | 91.5  | 60  |
| V23,V25 | V15,V18 | Ø25 | Ø25 | 146 | 146 | 182   | 39 | 31.2 | 5  | 110 | 13.5 | 58.5 | 193   | 93    | 68  |
| V23,V25 | V23,V25 | Ø25 | Ø25 | 146 | 146 | 182   | 39 | 31.2 | 5  | 110 | 13.5 | 58.5 | 193   | 93    | 68  |
| V38,V42 | V15,V18 | Ø31 | Ø31 | 146 | 160 | 198.6 | 39 | 31.2 | 5  | 121 | 13.5 | 58.5 | 210   | 113.5 | 72  |
| V38,V42 | V23,V25 | Ø31 | Ø31 | 146 | 160 | 198.6 | 39 | 31.2 | 5  | 121 | 13.5 | 58.5 | 210   | 113.5 | 72  |
| V38,V42 | V38,V42 | Ø31 | Ø31 | 146 | 160 | 198.6 | 39 | 31.2 | 5  | 121 | 13.5 | 58.5 | 210   | 113.5 | 72  |
| V50,V70 | V15,V18 | Ø38 | Ø38 | 181 | 208 | 261.5 | 74 | 40   | 8  | 119 | 18   | 57   | 233.5 | 133.5 | 100 |
| V50,V70 | V23,V25 | Ø38 | Ø38 | 181 | 208 | 261.5 | 74 | 40   | 8  | 119 | 18   | 57   | 233.5 | 133.5 | 100 |
| V50,V70 | V38,V42 | Ø38 | Ø38 | 181 | 208 | 261.5 | 74 | 40   | 8  | 119 | 18   | 57   | 233.5 | 133.5 | 100 |

本公司相关产品经设计变更后恕不另行通知