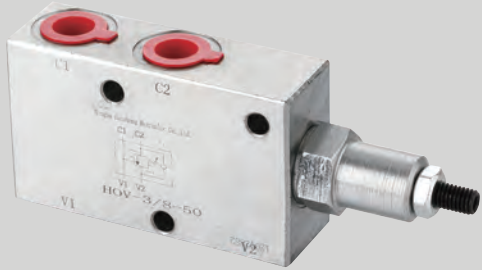
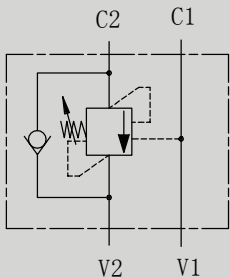


HOV 型平衡阀(开式平衡)

HOV SERIES COUNTERBALANCE VALVES FOR OPEN CENTRE

符号 SYMBOL



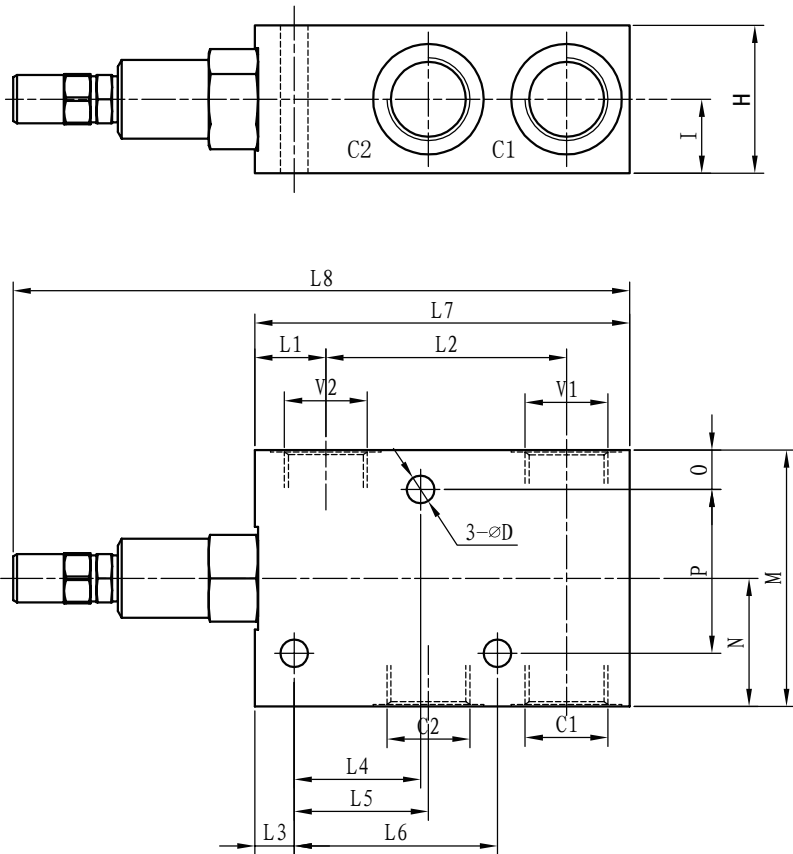
当V2口的压力升高到单向阀调定的压力时,阀芯被推离阀座,油液可以从V2到C2自由流动,当作用在C2口的负载压力足够大时,作用在阀芯环形面积差上的力大于弹簧设定的力时,油液可以从C2口流向V2口,阀起溢流作用。根据阀所具有的先导压力比, V1-C1的先导压力与弹簧的设定压力相比被比例的减小直到阀芯打开,油液可以C2口到V2口自由流动,弹簧腔与V2口相通, V2口的背压要附加到弹簧设定压力上。

When pressure at V2 rises above the spring bias pressure, the check seat is pushed away from the piston and flow is allowed from V2 to C2. When load pressure at C2 rises above the pressure setting, the direct operated, differential area, relief function is activated and flow is relieved from C2 to V2. With pilot pressure at V1-C1, the pressure setting is reduced in proportion to the stated ratio of the valve, until opening and allowing flow from C2 to V2. The spring chamber is drained to V2, and any back-pressure at V2 is additive to the pressure setting in all functions.

技术参数 Technical data

| 型号 Model                                                    | HOV-3/8-50                                                              | HOV-1/2-80 | HOV-3/4-120 |
|-------------------------------------------------------------|-------------------------------------------------------------------------|------------|-------------|
| 最大流量 ( L/min ) Max Flow rate ( L/min )                      | 50                                                                      | 80         | 120         |
| 最大工作压力 ( Mpa) Max operating pressure ( MPa )                | 31.5                                                                    |            |             |
| 先导比/Pilot ratio                                             | 4.3:1                                                                   | 4.3:1      | 6.8:1       |
| 阀体 ( 材料 ) 表面处理<br>Valve body ( Material ) Surface treatment | ( 钢体 ) 表面镀白锌处理/ ( Steel body ) Surface clear zinc plating               |            |             |
| 油液清洁度 Oil cleanliness                                       | NAS1638 9级和ISO4406 20/18/15级 NAS1638 class 9 and ISO4406 class 20/18/15 |            |             |

安装尺寸 Installation Dimensions



| 型号 Model    | L1 | L2 | L3 | L4 | L5   | L6   | L7  | L8    | O   | P    | N    | M  | I     | H    | φ D  | V1 C1<br>V2 C2 |
|-------------|----|----|----|----|------|------|-----|-------|-----|------|------|----|-------|------|------|----------------|
| HOV-3/8-50  | 18 | 61 | 10 | 32 | 34   | 48   | 95  | 145.5 | 5.5 | 41   | 28   | 56 | 15    | 30   | 7    | G3/8"          |
| HOV-1/2-80  | 18 | 61 | 10 | 32 | 34   | 51.5 | 95  | 147.5 | 10  | 41.5 | 32.5 | 65 | 18.75 | 32.5 | 7    | G1/2"          |
| HOV-3/4-120 | 30 | 84 | 10 | -  | 30.5 | 70   | 130 | 192.5 | 10  | 70   | 45   | 90 | 22.5  | 45   | 10.5 | G3/4"          |