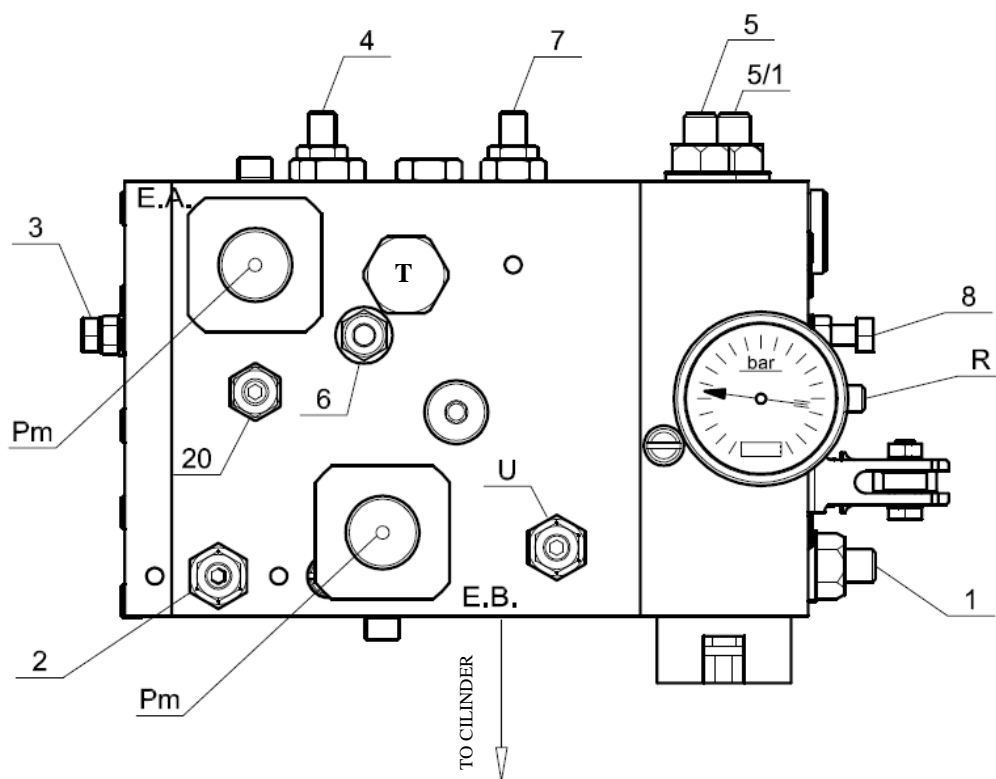


MH2V unit valve adjustment sequence



STATIC CALIBRATIONS

- Screw 8 (counterpressure: by screwing the pressure increases, by unscrewing the pressure decreases). Screw 8 must be adjusted according to those instructions (measure the distance between screw and block):
 - 18 mm for 12 l/min and 18 l/min pumps
 - 20 mm for 23 l/min pumps
 - 21 mm for 30 l/min pumps
- Screw 5 (overpressure: by screwing the pressure increases, by unscrewing the pressure decreases). Screw 5 must be adjusted as the value of the system safety pressure (1.4 nominal pressure). Close the gate valve, push the manual motor starting and screw the screw 5 until the required pressure is reached. Reopen the gate valve.
- Screw 1 (rod counterpressure: by screwing the pressure increases, by unscrewing the pressure decreases). Screw 1 always must be adjusted to 5 bar. When the system is stopped, close the gate valve, select the manual downhill and check that the manometer indicates 5 bar. If the pressure is different, adjust screw 1 and repeat the measure.
- Screw 5/1 (hand pump overpressure: by screwing the pressure increases, by unscrewing the pressure decreases).

Screw 5/1 always must be adjusted to a value twice of the operating pressure. Close the gate valve, pump with the hand pump and close the screw 1/5 until the required pressure is reached. Reopen the gate valve.

ADJUSTMENT SEQUENCE

- 1- Screw 7 calibration (starting and acceleration uphill: by screwing the acceleration increases, by unscrewing the acceleration decreases).
Unscrew the lock nut, screw the screw 7 and start the motor: the system shouldn't go up. Unscrew the screw of 1 turn at a time, until the system starts going up. Tighten the lock nut.
- 2- Screw 3 calibration (nominal uphill speed measured as l/min: by screwing the value decreases, by unscrewing the value increases): if the system uphill doesn't reach the nominal flow rate, open the lock nut and adjust screw 3 following the values below:
 - 18 l/min pumps = 23 mm
 - 23 l/min pumps = 25 mm
 - 30 l/min pumps = 27,5 mm
- 3- Screw U calibration (starting and acceleration downhill: by screwing the acceleration increases, by unscrewing the acceleration decreases).
Unscrew the lock nut, close the screw U and start the motor: the system shouldn't go down. Open the screw of ¼ turn at a time, until the system starts going down. Tighten the lock nut.
- 4- Screw 20 calibration (nominal downhill speed as l/min: by screwing the value decreases, by unscrewing the value increases).
Only after the screw 3 uphill adjustment, test the system downhill and check the value: if it is different, adjust screw 20.
- 5- Screw 6 calibration (uphill and downhill low speed: by screwing the value decreases, by unscrewing the value increases).
Adjust the screw according to the low speed required. If it is different, unscrew the lock nut, adjust the screw and screw the lock nut.
- 6- Screw 4 calibration (transition between high and low speed downhill and uphill: by screwing the value increases, by unscrewing the value decreases).
Observe visually the system and check that, after the deceleration curve, the system needs 3 seconds to reach the stop. If this time is different or the system ride comfort needs to be changed, adjust screw 4. Unscrew the lock nut, adjust screw and screw the lock nut.

For any problem contact the technical assistance.