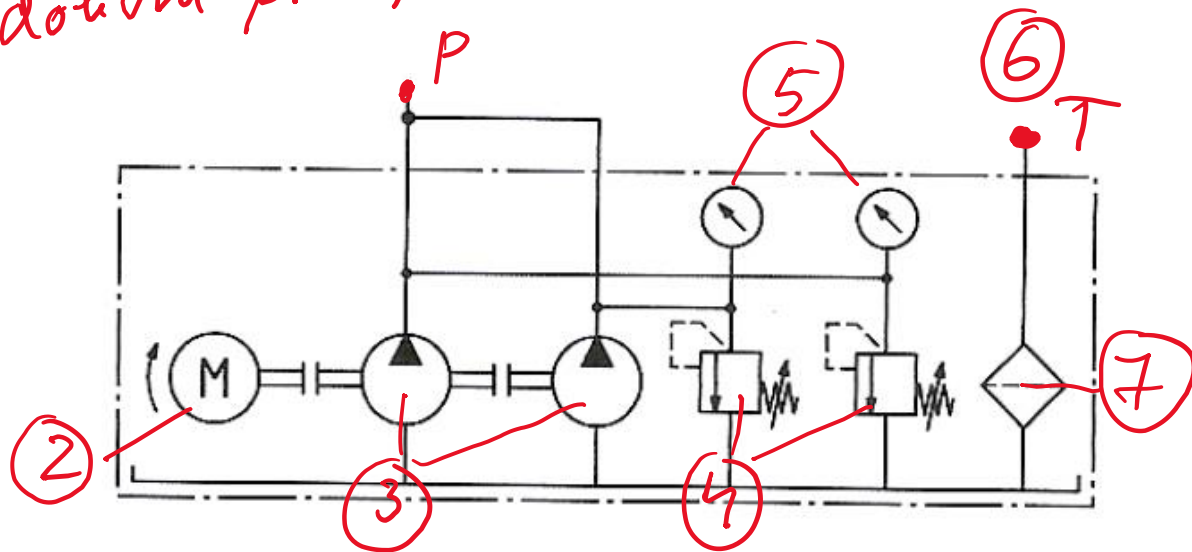


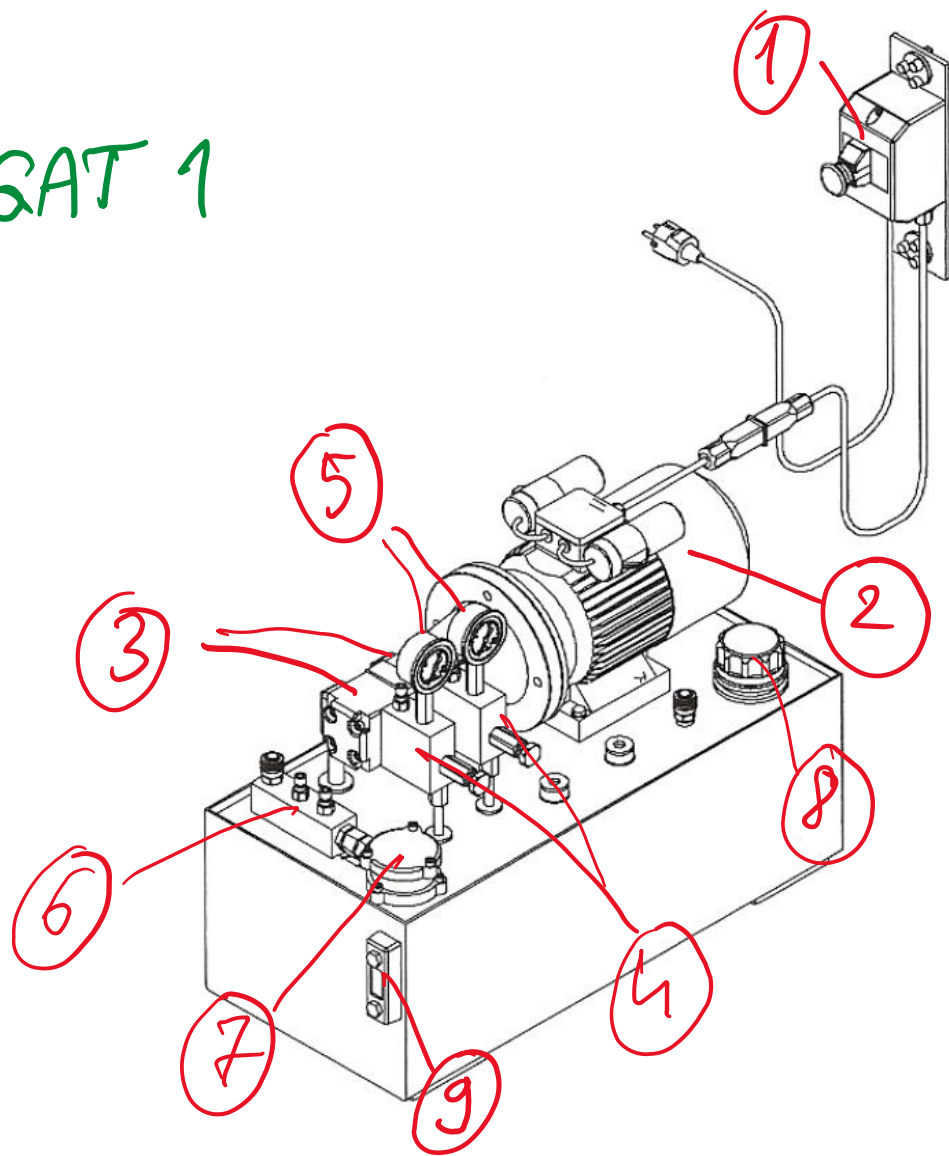
Legenda:

- ① vključno stikalo
- ② elektro motor (1,1 kW)
- ③ črpalčki (2x 3,7 l/min)
- ④ vortna ventila, prikljop P
- ⑤ manometri (tok p)
- ⑥ priključki povratni vod T
- ⑦ povratni filter
- ⑧ dolivni priključek

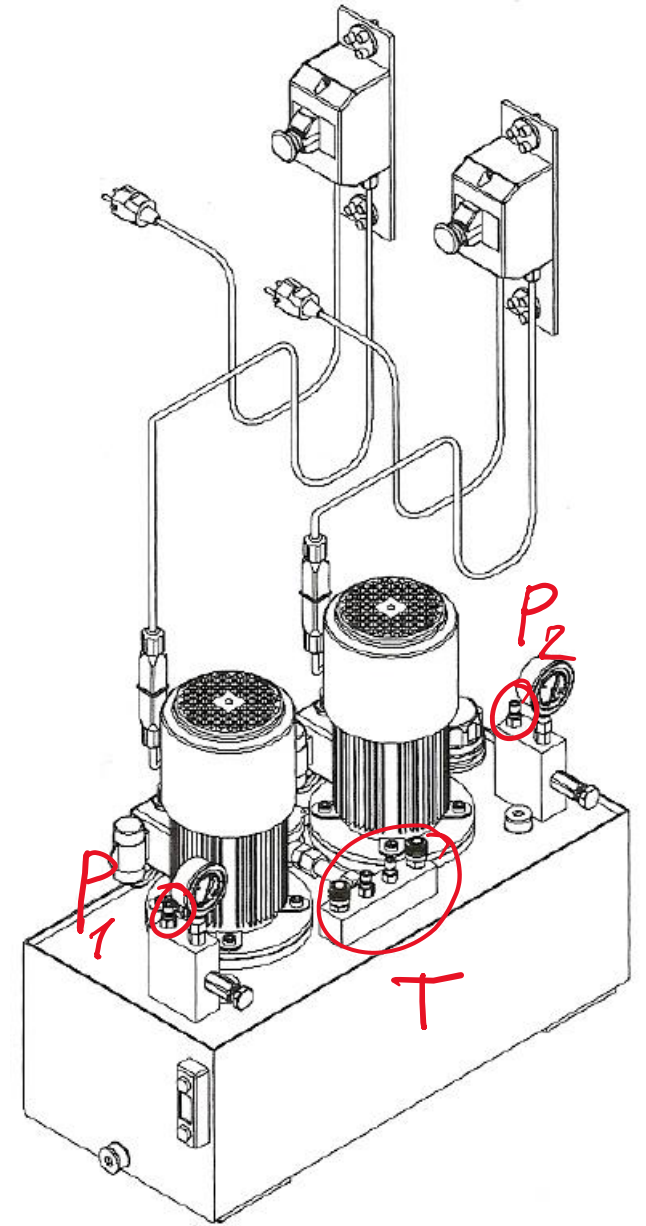
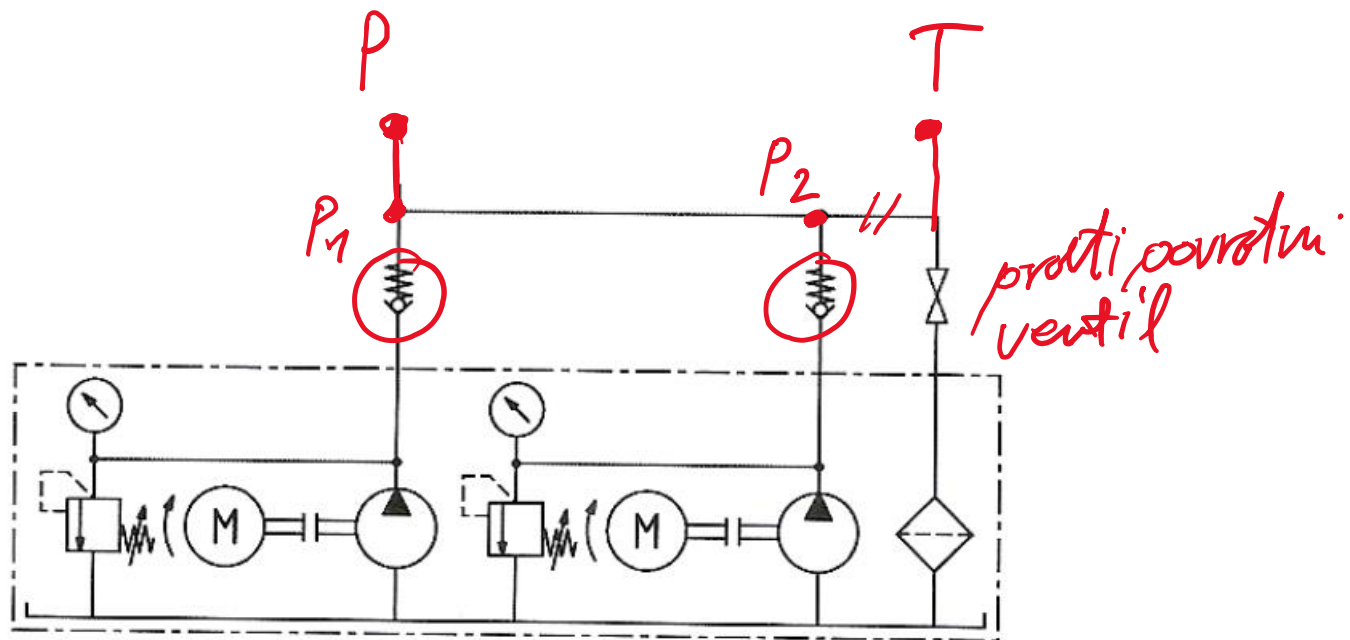


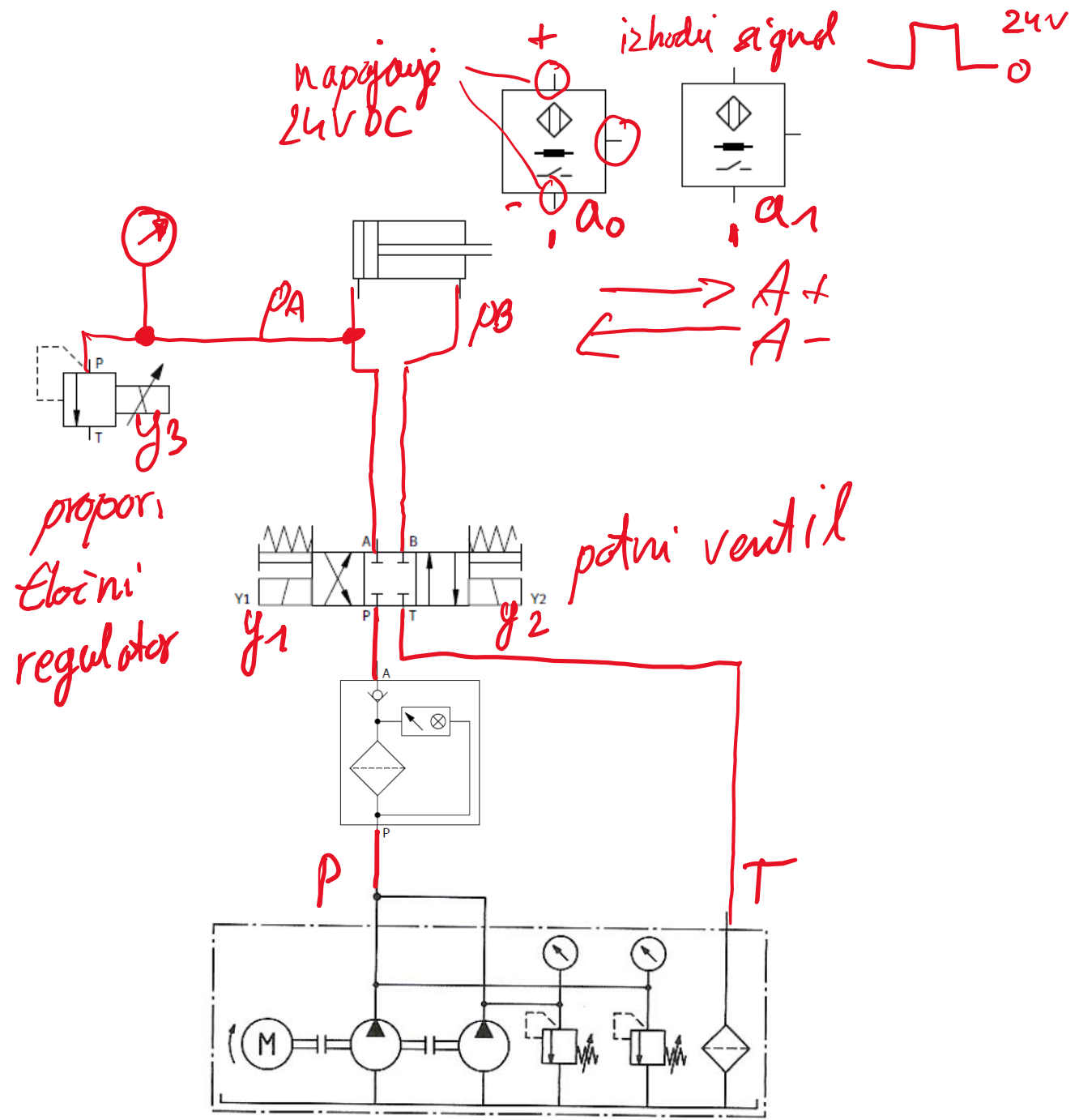
⑨ merilnik nivoja oja

AGREGAT 1



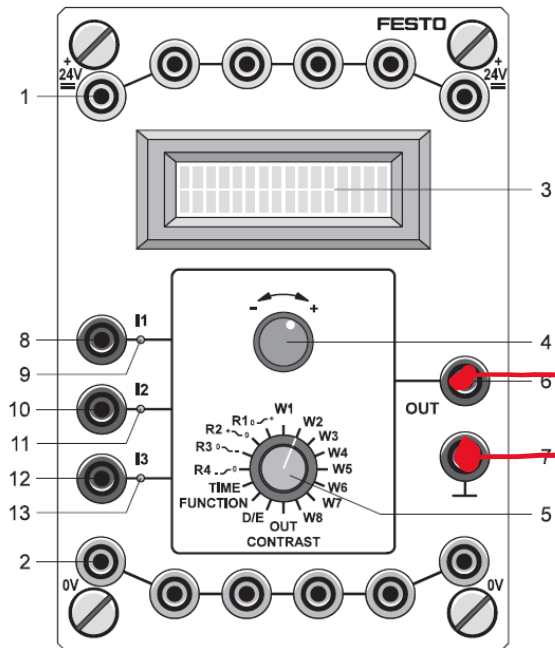
AGREGAT 2





- KRILJENJE:
- potni ventil
 - proporcionalni tlačni regulator !!
- električna kontrolna shema
- stikala (START, STOP)
 - releji
 - magneti (y1, y2, y3)
 - kontakna stikala (a0, a1) (induktivna)

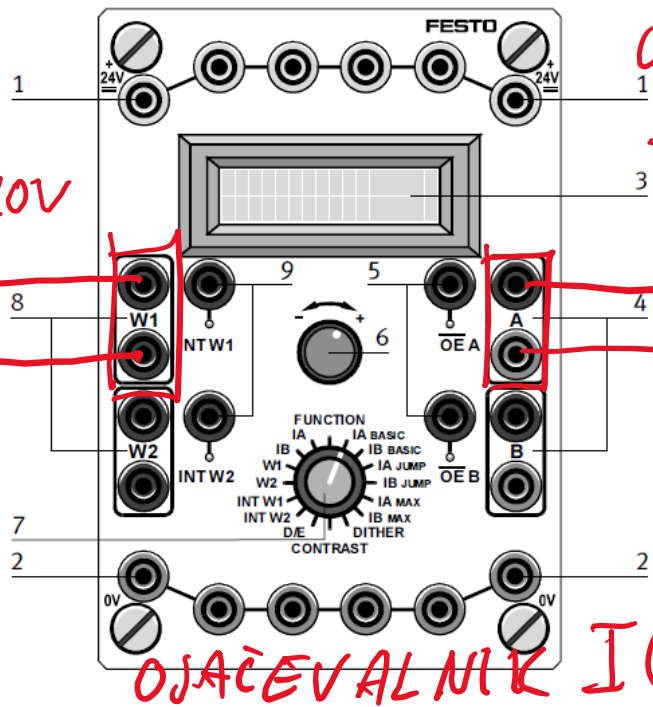
generator signala $U(t)$



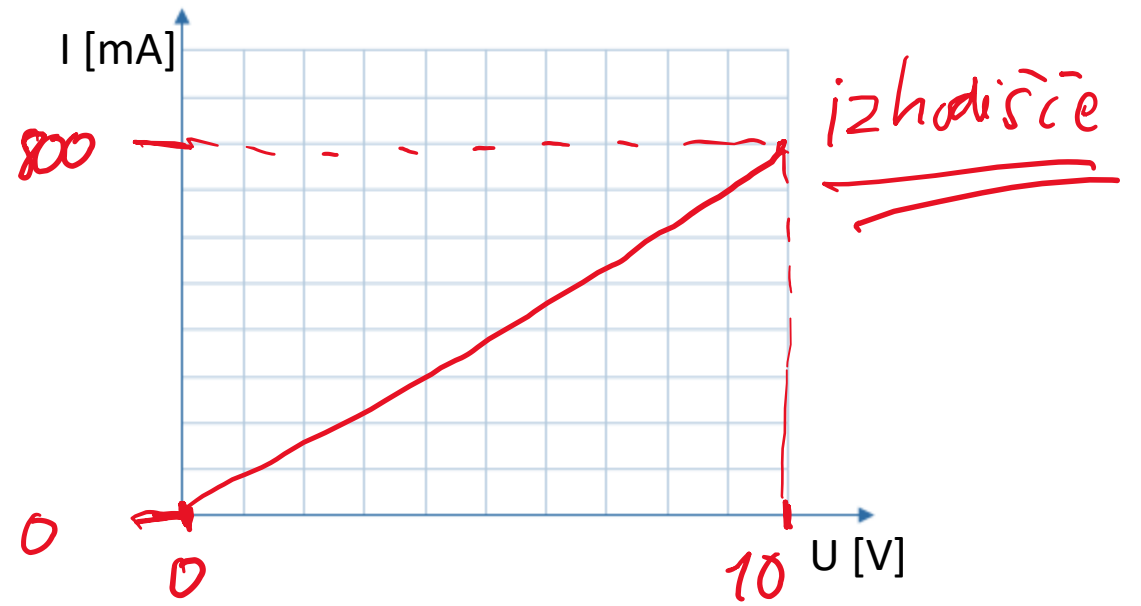
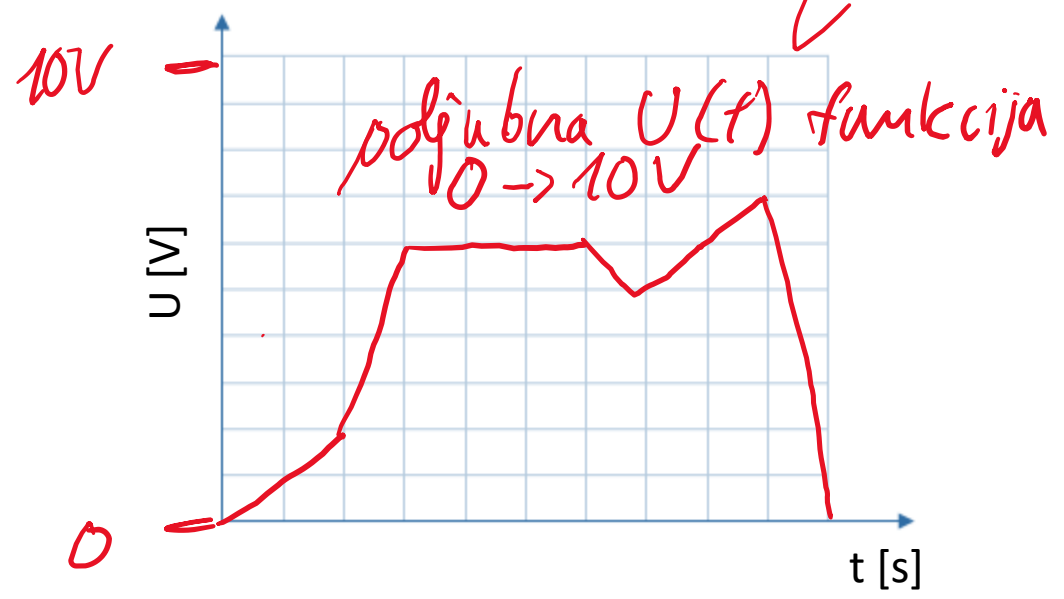
0 → 10V

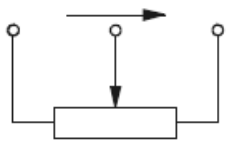
+ signal U
- signal U

ojačevalnik elekt. toka $I(t)$
+ signal I 0 → 800 mA
- signal I



ojačevalnik $I(t)$

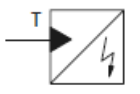




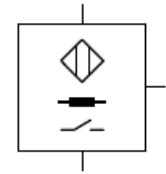
potenciometer
 merilnik ponaika (0 → 10 V)
 (0 → 200 mm)



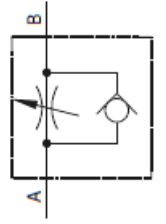
tlacni senzor (0 → 10 V)
 (0 → 100 bar)



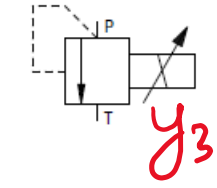
temp. senzor (0 → 10 V)
 (0 → 100 °C)



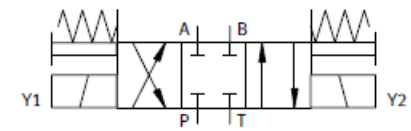
indukt. kanci (napajanje 24V DC)
 stikalo (0 → -24 V)



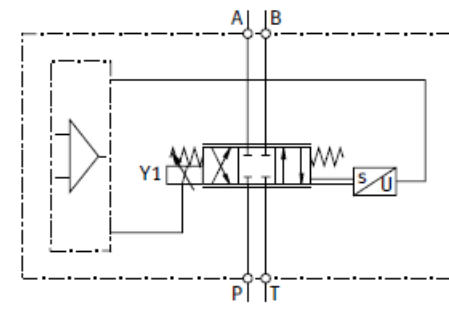
protipovratni dusilni ventil



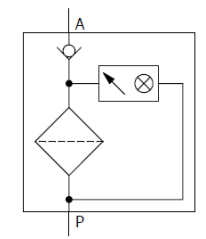
proporcionalni tlacni ventil (0 ... 800 mA)
 ~ 1000



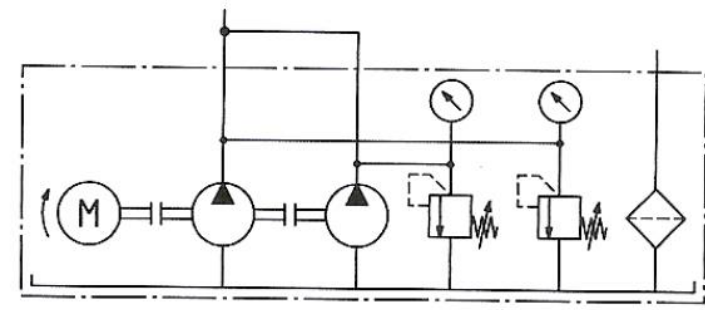
potni ventil
 4/3 (krmil. signal 24 V)



proporc. potni ventil
 4/3
 napaj: + 24V DC
 - 0V DC
 krm. signal ± 10V



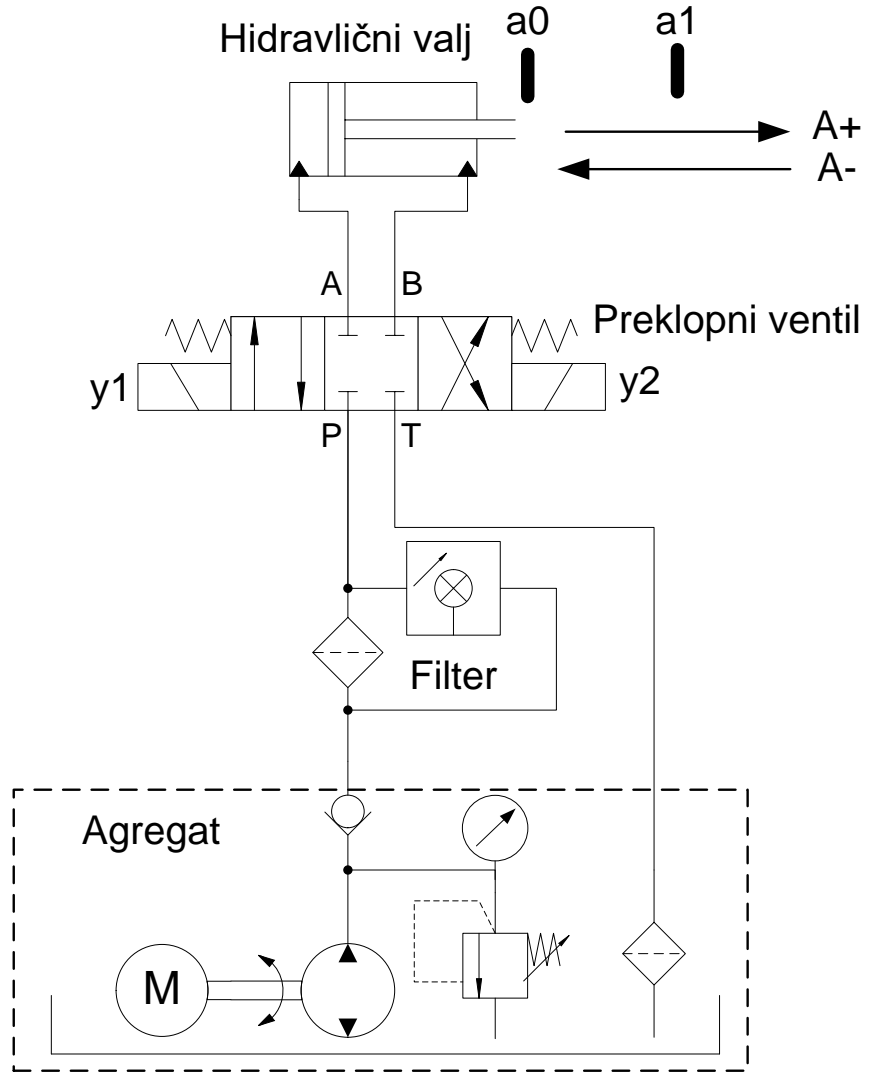
tlacni filter (5 μm)



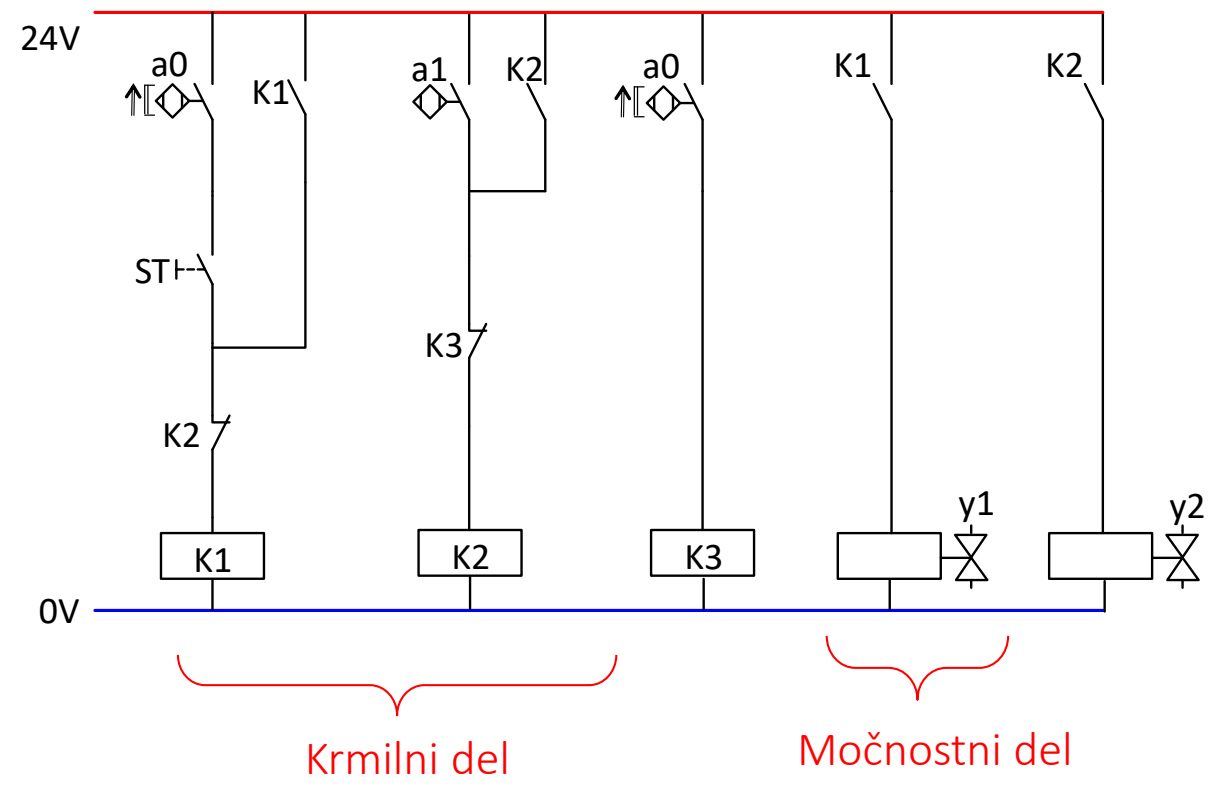
agregat

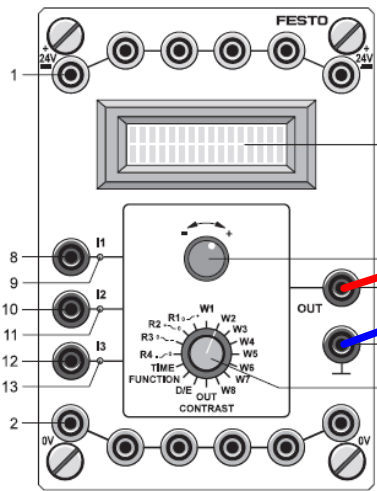
Hidravlična shema za krmiljenje cilindra A+, A-

osnovna za A+ in A-



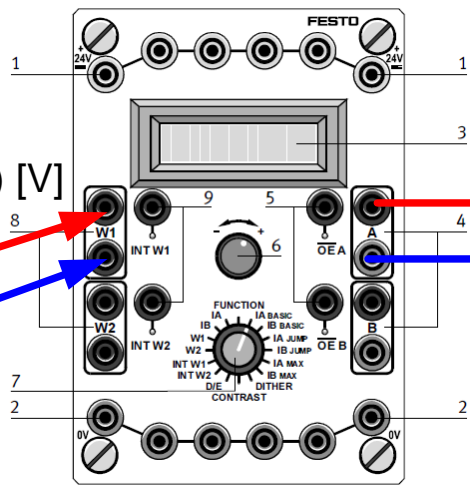
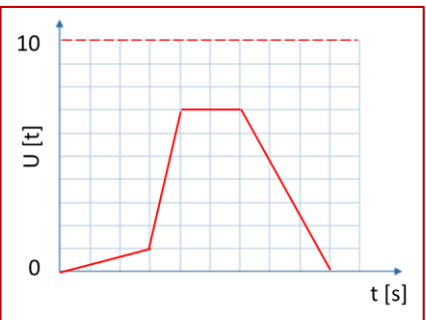
Električna krmilna shema za krmiljenje cilindra A+, A-





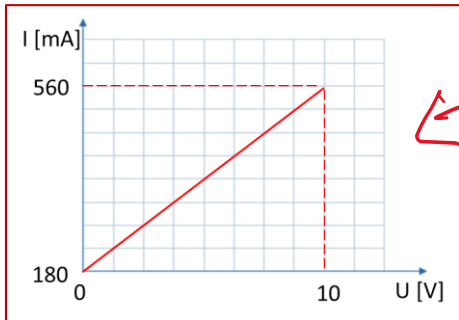
Generator napetostnega signala v obliki funkcije

$$U(t) = 0 \dots 10 \text{ V}$$



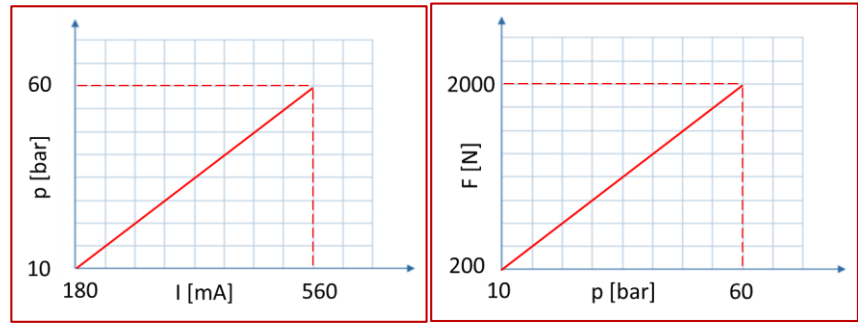
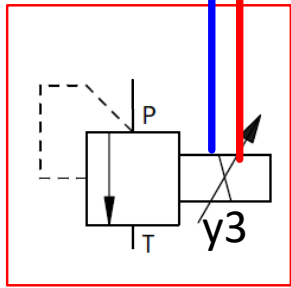
Ojačevalnik električnega toka

$$I(t) = 180 \dots 560 \text{ mA}$$



Nastavljena karakteristika ojačevalnika (primer)

upoštevana karakteristika

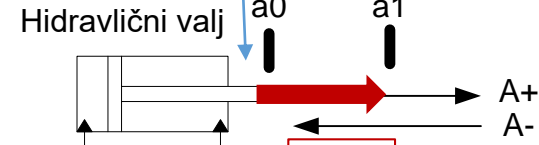


Nastavljena karakteristika ojačevalnika vpliva na kriljenje tlaka (primer)

Karakteristika cilindra (primer)

PA

$$p(t)$$



$$F(t)$$

