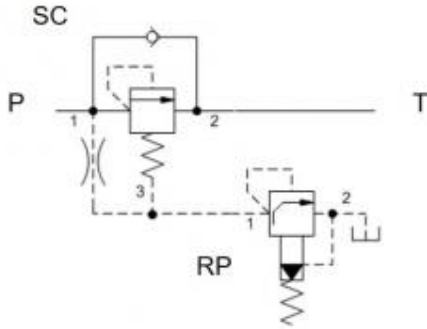


Prepared for :

Prepared by :

Schematics



Summary

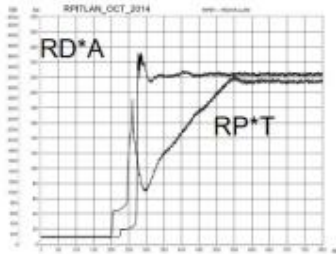


Fig. 1

Related Products

Cartridges

- RPET - Anti-Shock, pilot-operated, balanced poppet relief valve
- SCEA - Direct-acting sequence valve with reverse flow check

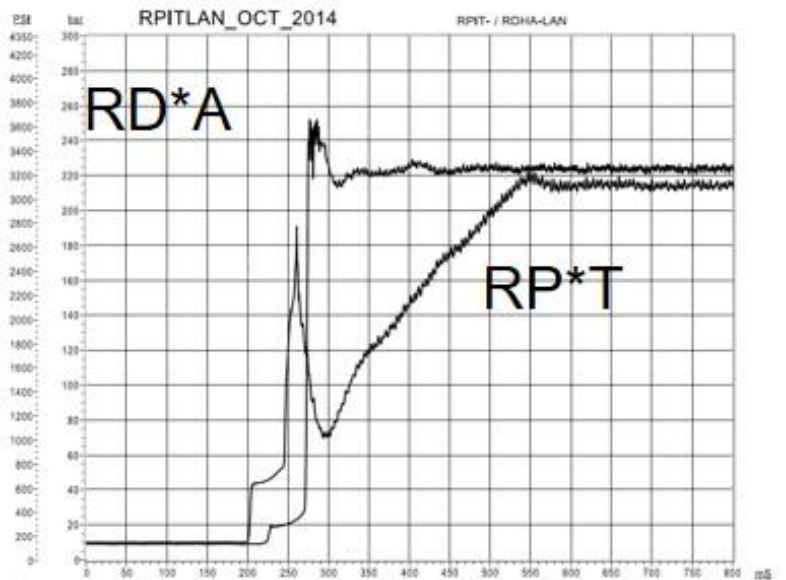
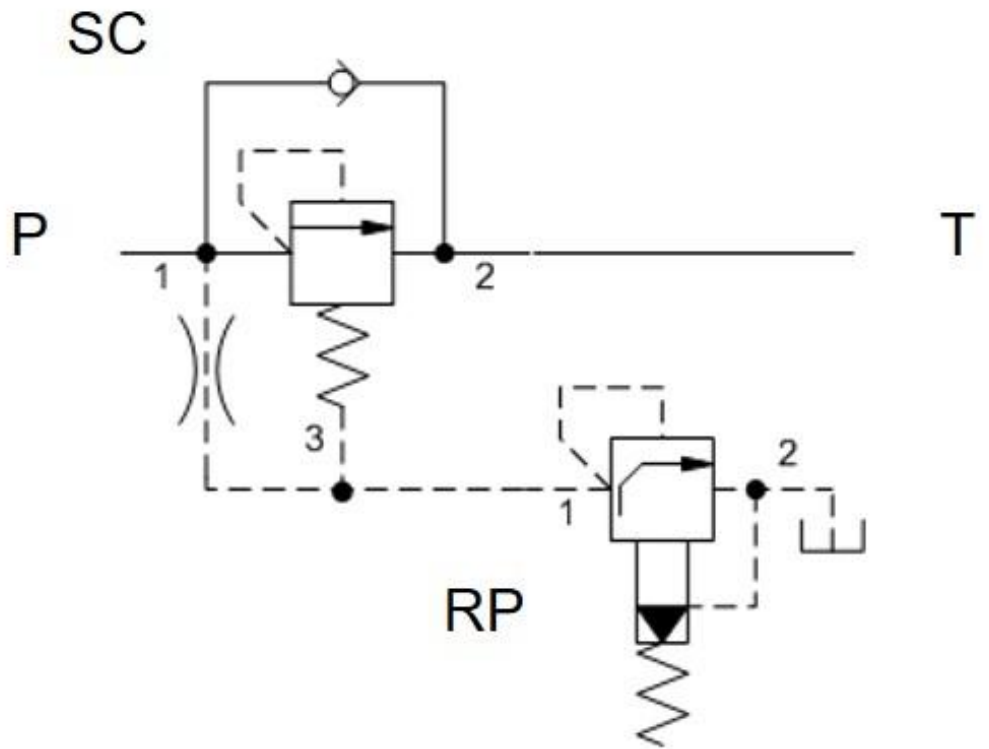


Fig. 1

A direct-acting sequence valve SC*A can be used as a main stage relief. By applying pressure onto port 3, the setting and/or relief characteristics of the SC*A can be controlled separately from the main stage. An external orifice is used to limit the pilot flow to the relief valve RP*T

- Direct-acting sequence: SC*A
- Relief valves as pilot: RP*T, RD*A

Benefits of this circuit arrangement:

- The direct-acting sequence valve SC*A as a main stage controls high flow rates well and has a good response time. Since the pilot valve (RP*T) has a high capacity, the main stage SC*A can open very fast. Piloting a SC*A with a RP*T effectively produces a 3 stage valve
- **Fig.1** shows the step response of a standard direct-acting relief valve RD*A and an anti-shock relief RP*T.
- The SC*A should be set to its minimum setting without pilot pressure. Approximately 300 psi is a good minimum setting for a fast reset.