

Prepared for :

Prepared by :

Schematics

Summary

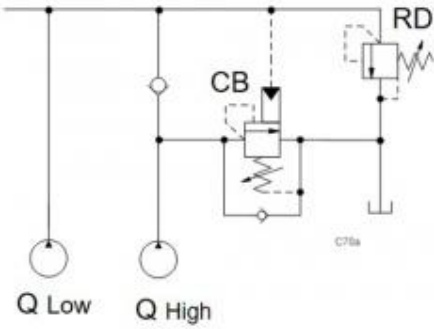


Fig.1

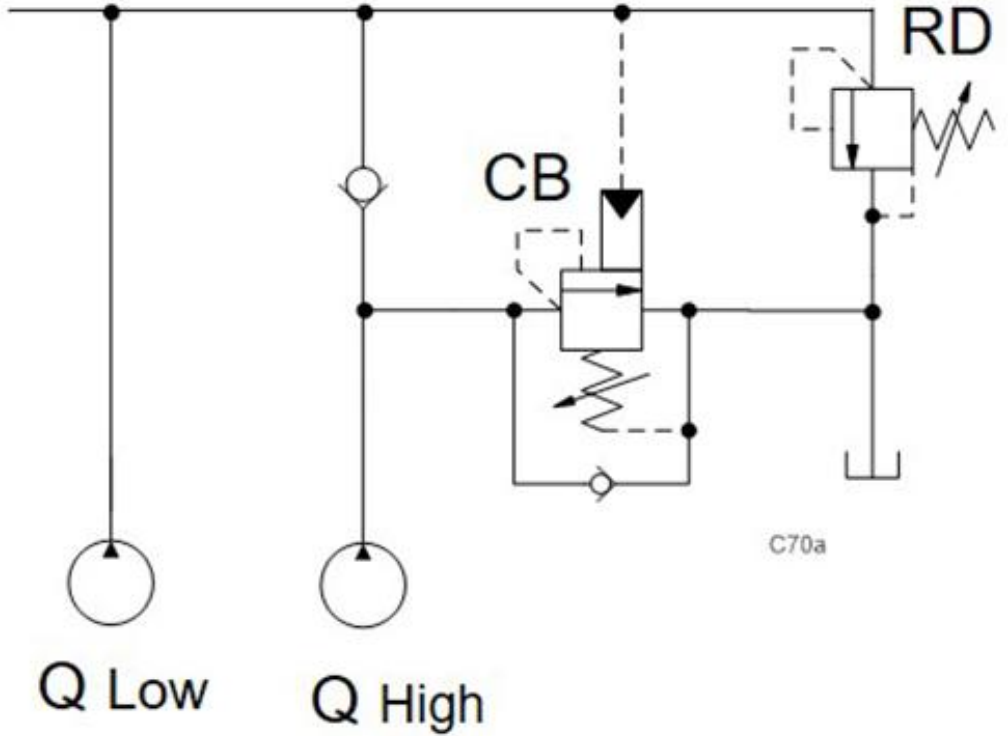


Fig.1

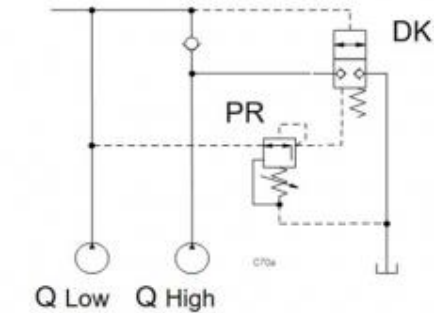


Fig.2

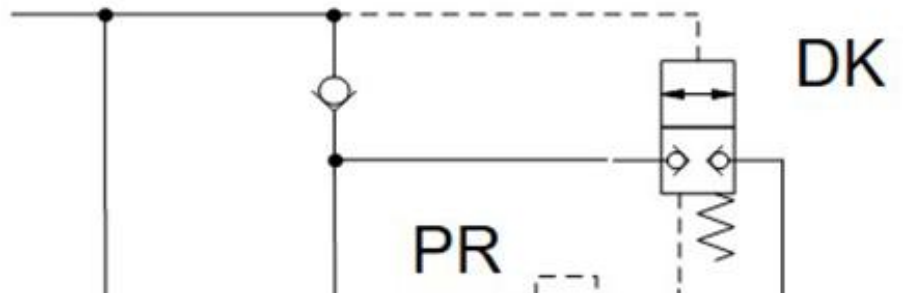
Related Products

Cartridges

- CBEJ* - 3:1 pilot ratio, standard capacity counterbalance valve
- DKDR* - Normally closed, balanced poppet, logic element - vent-to-open
- PRBR* - Direct-acting, pressure reducing valve
- RDDA* - Direct-acting relief valve

Y-assemblies

- YRES* - Two pump high-low unloading assembly



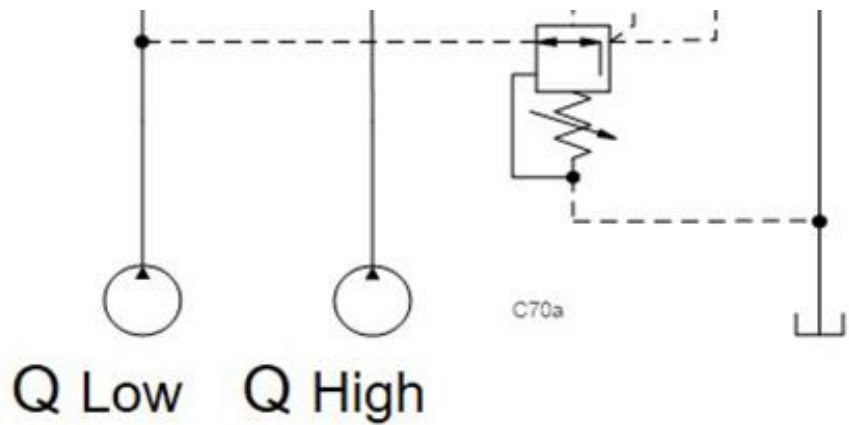


Fig.2

The circuit shows one pump for high pressure/low flow and another pump for high flow/low pressure driven by the same electric motor and feeding the same user. Both circuits unload pumps without decompression shock in the system.

- **Standard counterbalance valve:** CB**, CB*J
- **Pressure relief valves:** RD*A
- **Balanced logic valves:** DK*S
- **Pressure-reducing valves:** PR*R
- **Y Assemblies:** YRES (Series 2), YRGJ (Series 3), YRIA (Series 4)

Benefits of this circuit arrangement:

- Fig.1 shows a CB unload the high-flow pump at a preset high pressure.
- Fig.2 shows a balanced logic valve unload the high-flow pump at a preset high pressure.
- The circuit allows the use of one motor with limited power to drive a double pump for either high flow or high pressure. When the system pressure rises, the high-flow pump is unloaded to tank to limit the power requirement from the electric motor.

For Sun technical support, contact Bernhard Kristen.