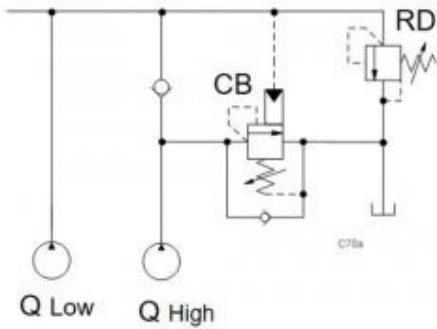


Prepared for :

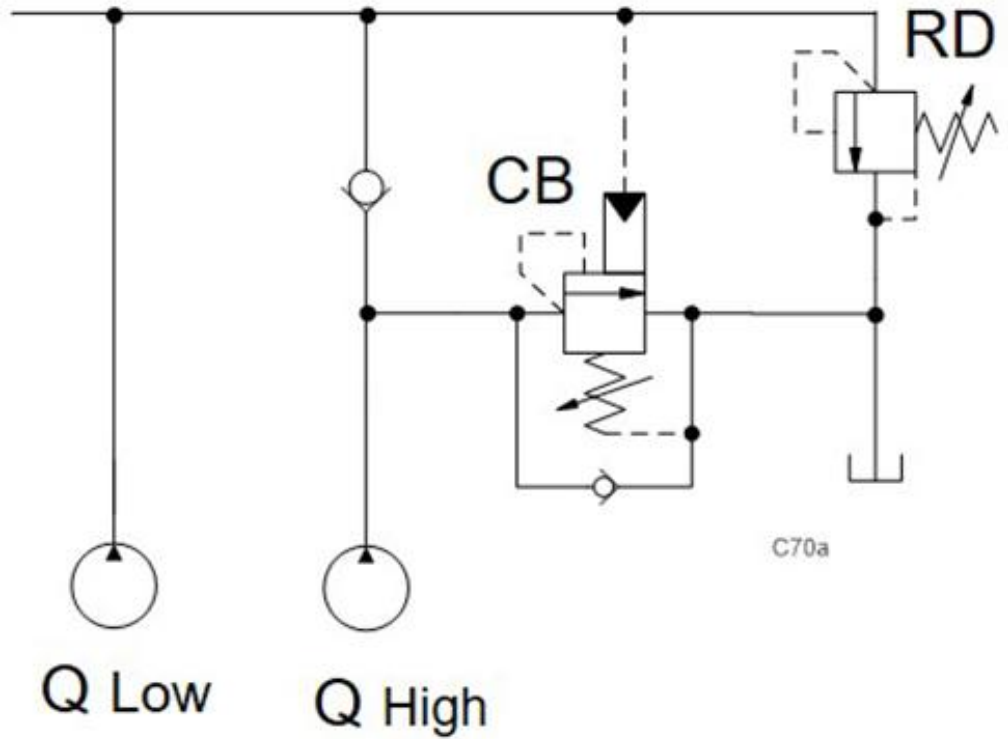
Prepared by :

**Schematics**

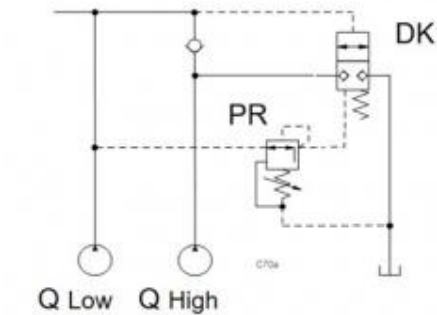
**Summary**



**Fig.1**



**Fig.1**



**Fig.2**

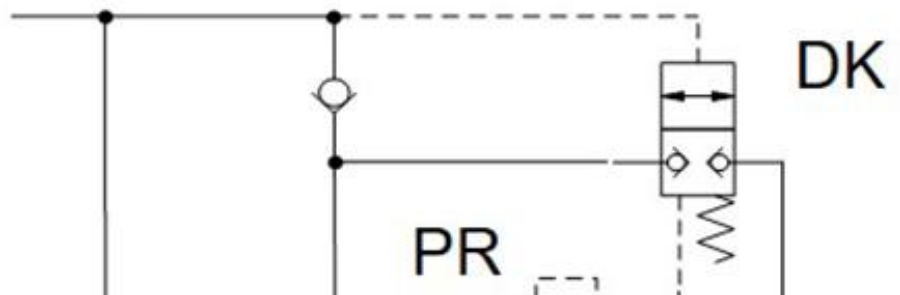
**Related Products**

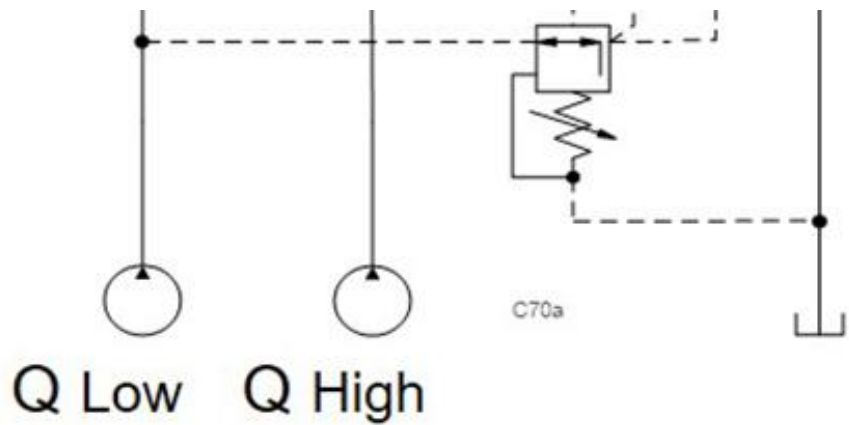
**Cartridges**

- 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.**