DRG Remote Pressure Controller Set Up

Although identical in appearance, the DFR and DRG controllers are not interchangeable. The DRG controller utilizes a different control spool which allows system oil into the spring chamber, and is accessible through the X port connection. A remote relief valve can be connected to the X port controlling oil pressure in the DRG spring chamber, thus controlling the pump pressure.

DRG (remote pressure) controller set up:

a) Turn remote pressure control clockwise until the adjusting screw bottoms out. The remote pressure setting needs to be higher than the maximum desired system pressure setting.

b) Remove protective cap nut from DRG. This is the adjustment furthest from the pump body.

c) Loosen locking nut and turn DRG adjustment screw clockwise until it bottoms out.

d) Remove protective cap nut from DR (maximum pressure adjustment). This is the spool closest to pump body.

e) Loosen locking nut and turn DR controller adjustment screw counter clockwise until spring tension is removed from the spool.

f) Start pump and adjust system so as to provide a no flow-system blocked (dead head) condition.

g) Turn DR controller adjustment screw clockwise to required maximum system operating pressure.

h) Tighten locking nut, then reinstall and tighten protective cap nut on DR controller adjustment screw. Maximum pump pressure is now set.

i) Turn remote relief valve counter clockwise to its lowest setting.

j) Turn DRG controller adjustment screw counter clockwise to approximately 200 psi then turn clockwise to an idle pressure setting of 300 psi (21 bar) or higher as required.

k) Tighten locking nut, then reinstall and tighten protective cap nut on DRG adjustment screw. The minimum system pressure (ivent) pressure are now set.

l) The system can now be remotely pressure controlled between the DRG minimum pressure setting and the maximum pressure setting of the DR adjustment.