

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.

