

Calibrating the CGE Valve and Setting Pumps

For Uniloy IBS Models 55-3, 75-3, and 128-3

Pump Settings

- 1.) Make sure all of the gauges are good and of the correct PSI rating.
- 2.) High volume pump settings are:
 - * SV-7 = 1,000 psi
 - * SV-8 = 2,000 psi
 - * Idle = 500 psi
- 3.) High pressure pump settings are:
 - * SV-21 de-energized = 1,500 psi
 - * SV-21 energized = 3,000 psi

Calibrating the CGE Proportional Valve

- 1.) Make sure that the gauge is good, then remove the cover from the valve.
- 2.) Set the adjustment on relief to full in (this is a mechanical adjustment).
- 3.) On the Maco 8000 or Siemens, go to the injection control screen and set the manual inject pressure to 100%. (note: manual inject is open loop).
- 4.) Have an assistant manually energize SV-8 to set the system at 2,000 psi.
Note: It may be necessary to temporarily set SV-21 to over 2,000 psi in order to achieve 2,000 psi on the high volume pump. Be sure to reset it to 1,500 psi when you are done.
- 5.) With the manual inject switch actuated and inject pressure set at 100%, start turning the trim pot nearest plug on the EHST until the pressure starts to drop. Then bring it back to the set pressure of 2,000 psi and stop.
- 6.) Set the inject pressure at 25% and start turning the trim pot farthest away from the plug until the pressure reaches 400 psi or starts to increase/decrease. Adjust it until 400 PSI is achieved.
- 7.) Re-check Step #3 and adjust accordingly. Then set mechanical adjustment one quarter turn higher and lock it.
- 8.) Check to insure that the pressures are correct. Observe that the system must be set at 2,000 psi in order to supply the CGE valve with the necessary pressure to achieve the following settings:
 - At 25% you should see 400 PSI;
 - * At 50% you should see 800 psi
 - * At 75% you should see 1,200 psi
 - * At 100% you should see 1,600 psi