

## Filling & bleeding using external HPU

### IMPORTANT NOTES

- Main pump should be stopped during the procedure
- HPU should run in a loop for 25-35 minutes
- Cycle all actuators a few times with the HPU (no load)
- Air bleeding will be achieved through HPU reservoir**
- The VVR should be at 60-70% level for optimum air bleed
- Proceed with VVR final fill by disconnecting HPU return coupler and connecting P coupler to T coupler
- VVR final fill should be done with all single rod cylinders RETRACTED
- Main pump shaft seal must be protected with P port check valve

