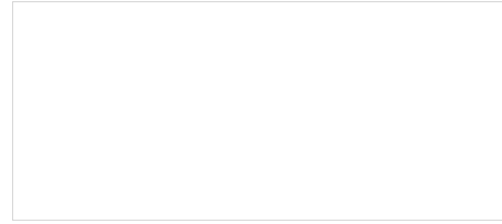


2. CIRCUIT CONFIGURATION

- 1) As for breaker oil pressure line, use extra spool of main control valve.
- 2) Set proper breaker pressure on load relief valve.
- 3) The pressure of the ROBEXR140W-7 system is 330kgf/cm²(4700psi).



4) Adjusting oil quantity

- (1) Use the breaker mode from work mode. Default oil flow quantity is 110.7lpm at 2100rpm. Use accel dial switch to control the oil flow quantity.
- (2) If the quantity of hydraulic oil is not controlled properly, it causes short lifecycle of the breaker and the machine by increased breaking force and count.
- 5) The accumulator should be used to the breaker charging and return line. Keep the pressure pulsation of pump below 60kgf/cm²(853psi) by installing the accumulator. If the accumulator is not used, it will be damage as the input wave is delivered.
- 6) Do not connect the breaker return line to the main control, but connect to the return line front of the cooler.
- 7) Do not connect the breaker return line to drain lines, such as of swing motor, travel motor or pump, otherwise they should be damaged.
- 8) One of spool of the main control valve should be connected to the tank.
- 9) Select the size of pipe laying considering the back pressure.
- 10) Shimless tube should be used for the piping. The hose and seal should be used Hyundai genuine parts.
- 11) Weld the bracket for pipe clamp to prevent damage caused by vibration.

Oil quantity according to engine rpm

Engine rpm	Oil flow /min	Oil flow U.S.gpm
2000	105.4	27.9
1900	100	26.4
1800	95	25.1
1700	90	23.78

Relief pressure : 200kgf/cm²