

## 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 ROBEX130W-3 system is 320kg/cm<sup>2</sup> (4550psi).

### 4) Adjusting oil quantity

- (1) Set the quantity of hydraulic oil which flows into the breaker by adjusting the reducing valve pressure in the pilot line.
- (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.  
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) Either solenoid valve or pedal can be used for pilot control.
- 9) One of spool of the main control valve should be connected to the tank.
- 10) Select the size of pipe laying considering the back pressure.
- 11) Shimless tube should be used for the piping. The hose and seal should be used Hyundai genuine parts or equivalent.
- 12) Weld the bracket for pipe clamp to prevent damage caused by vibration.

Oil quantity according to pressure of reducing valve used.

Negative pressure kg/cm <sup>2</sup>	Oil flow l /min	Negative pressure psi	Oil flow U.S.gpm
*11	120	156	31.7
13	90	185	23.8
20	55	284	14.5

※ This is the value applied to the new machine.

\* Relief pressure : 200kg/cm<sup>2</sup>