

**PILOT PRESSURE AND DRAIN INFORMATION
FOR THE
LARGER SLAVE-AND-PILOT VALVE DESIGNS (“PIGGYBACK”)**

NORTHMAN SERIES SW-G04, SW-G06, SW-G10

SUFFICIENT PILOT PRESSURE TO SHIFT THE VALVE

The G04, G06 and G10 valves do not come with an integral pilot pressure check valve with the open center spool designs. There must be sufficient pilot pressure to shift the valve.

SW-G04 requires minimum 8 BAR (113 PSI)

SW-G06 requires minimum 3.5 BAR (50 PSI)

SW-G10 requires minimum 10 BAR (140 PSI)

If the hydraulic circuit does not provide sufficient pilot pressure to shift these valves with open center spool configurations (C3, C5, C6, C60), do either:

- 1) Use the external pilot option (“-E”). Provide pressure to the X port on the manifold or subplate from another source in your system to shift the valve.
- 2) If the valve must be internally piloted in your system, then install a back pressure check valve in the tank line. The valve must be externally drained (“-T”) with this method.

FIELD CHANGING THE PILOT CONFIGURATIONS

Both the pilot pressure and drain configurations can be independently converted between internal and external designs. See the instructional sheet that came with the valve, or visit our website for instructions.

If the pressure and drain configurations are changed, the valve nameplate must be changed to the new part number.