

LS5000 DIRECTIONAL CONTROL VALVE 3 POSITION 4 WAY HYDRAULIC KICK OUT



SPECIFICATIONS:

- Pressure rating
maximum design and test pressure.....3000 PSI (205 bar)
- Capacity
Nominal Flow.....25 GPM (95 LPM)
- Maximum Operating Temperature.....180° F (82.2°C)
- Filtration Required (minimum).....10 micrometre
- Maximum Tank Pressure.....500 PSI (35 bar)
- Relief Valve Setting.....2200 PSI (152 bar)
(The relief is set at 3 GPM and 120° F)
- Detent Release Pressure.....1100 PSI (76 bar)
- Weight.....12 LBS (5.45 kg)



STANDARD VALVES AVAILABLE:

Order code	Work port size	In/out port size
LS 5000-1	1/2 " NPT	3/4" NPT
LS 5000-2	3/4 " NPT	3/4" NPT

STANDARD FEATURES

- The casting body is made of high tensile strength ductile iron.
- Hydraulically balanced, hard chrome plated spool.
- In neutral position, both work ports blocked, pump unloads to tank.
- Ideal for long splitter applications. Available with 3/4" NPT work ports for higher flow applications.

● PRESSURE RELEASE DETENT

This feature provides a pressure release detent for the spool "out" (hand in) position. When the spool is manually placed in the detent position oil is directed to the "B" port (the port away from the handle). When the pressure in the "B" port reaches a preset level the detent will release and the spool will center. The factory setting is 1100 PSI (76 bar). The detent release pressure is adjustable by loosening the jam nut and turning the adjusting screw. Turning the adjusting screw clockwise will increase the detent release pressure and counterclockwise will decrease the detent release pressure.

Note: if the detent release pressure is set too high the spool will not center. If the pressure is too low the detent will not hold. If cap screw item 6 becomes loose detent will not function properly.

● RELIEF VALVE

An adjustable ball spring relief valve is standard on all CV 3000 valves. The standard factory setting is 2200 PSI (152 bar) @ 3 GPM (11.4 L/min) and 120° F (48.9° C). Other settings can be specified. The relief pressure is adjusted by removing nut, and turning the adjusting screw. Turning the adjusting screw clockwise will increase the pressure and counterclockwise will decrease the pressure (a pressure gauge must be installed in the inlet line whenever the relief pressure is adjusted). Do not back out adjusting screw to the point it falls out.

