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900957

This valve is a two spool valve that can be used to automatically cycle a hydraulic cylinder. The spools and the valve body have been modified to provide this function. Both spools have the pressure release detent spool attachment.

The valve is shown connected to a cylinder in this sketch.
The "B" port is connected to the base of the cylinder.
The "A" and "D" ports are tied together and connected to the rod end of the cylinder.
The "C" port is plugged.

At the beginning of the cycle the cylinder is fully retracted. To begin the cycle both handles are pulled back. Oil is directed to the "B" port and the cylinder will extend until it reaches the end of its stroke. At this point the pressure will build to the detent release pressure and the first spool will center to neutral. Now the oil will go through the open center core to the second spool and is directed out the "D" port to retract the cylinder. When the cylinder reaches the full retract position the pressure will build to the detent release pressure and the second spool will center to neutral. This completes the cycle.

To begin the next cycle both handles are again manually pulled back. Please note this valve does not have the load-check feature of the standard RD5200 valve. Also the "B" port is open to tank in neutral.

