RD5000 SERIES VALVE
WITH PROPORTIONAL OPERATORS

The RD5000 valve is available with proportional solenoid operators. The valve will allow controlled starts and stops of the work port flow as well as control of the work port flow rate over a limited metered range. Pilot pressure to initiate spool shift is provided internally by means of a pressure build-up cartridge in the power beyond port. Once the spool shift is initiated, load induced pressure is required to regulate the spool position and flow. By increasing the current through one of the solenoids, increasing pressure is applied to a spool end, causing the spool to shift against spring bias. Full spool shift is at approximately 1200 mA - 12 VDC (600 mA - 24 VDC).

The RD5000 proportional operators are typically controlled with a thumb or handle control and a PWM control module. Prince offers a small thumb control joystick (671300076) and a larger handle control joystick (671300077). A PWM control module (671300107) that can be used in conjunction with these joysticks is also offered by Prince. See page V52 for details.

Additional options as well as two and three spool versions are available.

Please contact sales at Prince Manufacturing Corp. for additional information.