PILOT-OPERATED CHECK VALVES

MODEL RD-1400 LOCK VALVE DOUBLE PILOT-OPERATED

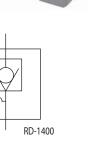


CYLINDER

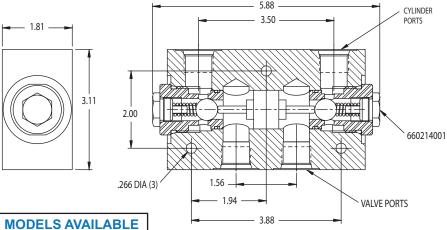
TO

CONTROL

VALVE



The PRINCE valve model RD-1400 is a double pilot-operated lock valve. This valve will lock a cylinder in place when a directional control valve is in the neutral position. In operation oil is directed to one of the valve ports and oil can free flow to the corresponding cylinder port. The pressure on this valve port will shift the pilot spool opening the opposite check valve. This will allow oil to return through the opposite check valve. This valve has a hardened steel seat and steel ball and therefore should not be used in applications requiring absolutely zero leakage. When using a pilot operated check to lower a heavy load the valve may chatter. An orifice in the line in some cases may be beneficial.



| STANDARD | MODEL | S AVAII | LABLE |
|----------|-------|---------|-------|
| | | | |

| MODEL NUMBER | PORT SIZE |
|--------------|-----------|
| RD-1450 | 1/2 NPTF |
| RD-1475 | 3/4 NPTF |

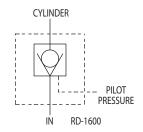
VALVE SPECIFICATIONS:

Capacity: 30 gpm max inlet flow Pressure: 3000 psi max

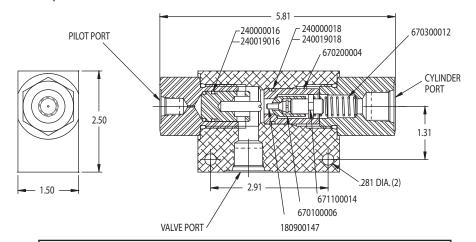
Weight: 7 lbs. Pilot Ratio: 4:1

MODEL RD-1600 PILOT OPERATED CHECK VALVE





The PRINCE valve model RD-1600 is a pilot operated check valve. This valve blocks oil from flowing from the cylinder port to the valve port until sufficient pressure is applied to the pilot port. Oil can free flow from the valve port to the cylinder port. The valve has a two stage poppet allowing smooth chatter free operation.



STANDARD MODELS AVAILABLE MODEL NUMBER VALVE AND CYL. PORT PILOT PORT RD-1637 3/8 NPTF 1/4 NPTF RD-1650 1/2 NPTF 1/4 NPTF RD-1608 #8 SAE (3/4-16) #4 SAE (7/16-20)

VALVE SPECIFICATIONS:

Capacity: 20 gpm max inlet flow Pressure: 3000 psi max

Weight: 2 lbs.
Pilot Ratio: 4:1

Decompression Ratio: 16:1