



This valve is a normally closed modulating element that incorporates an integral pilot control cavity. It is a balanced piston design. The pilot control cavity will accept any T-8A pressure control cartridge. When the pressure at the inlet (port 1) reaches the pilot control cartridge's setting, the modulating element starts to open to tank (port 2), throttling flow to regulate the pressure. The pilot cartridge's setting determines the difference in pressure between port 1 and port 2.

TECHNICAL DATA NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

| | |
|--|-----------------------------------|
| Maximum Operating Pressure | 5000 psi |
| Control Pilot Flow | 15 - 20 in ³ /min. |
| Main stage leakage at 110 SUS (24 cSt) | 5 in ³ /min. @1000 psi |
| Pilot Control Cavity | T-8A |
| Seal kit - Cartridge | Buna: 990-018-007 |
| Seal kit - Cartridge | EPDM: 990-018-014 |
| Seal kit - Cartridge | Polyurethane: 990-018-002 |
| Seal kit - Cartridge | Viton: 990-018-006 |

NOTES: • Compound cartridge (pilot and main stage) assembly information is provided for reference only. Cartridges must be ordered separately and assembled at point of use.

CONFIGURATION OPTIONS

Model Code Example: **RPKC8WN**

| ADJUSTMENT RANGE | (W) | SEAL MATERIAL | (N) |
|--|-----|-----------------|-----|
| W 100 - 5000 psi (7 - 350 bar) | | N Buna-N | |
| D 25 - 3000 psi (1,7 - 210 bar) | | E EPDM | |
| | | V Viton | |