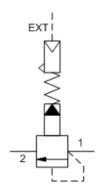
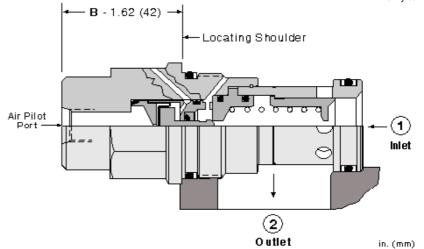
Air-controlled, pilot operated, balanced piston relief valve SERIES 3 / CAPACITY: 380 L/min. / CAVITY: T-16A



snhy.com/RPID





Air-controlled, pilot-operated, balanced piston relief cartridges use compressed air over a diaphragm instead of an adjustable spring to control pressure setting. The air signal is supplied through a port in the hex-end of the cartridge. They are normally closed pressure regulating valves. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to regulate the pressure. These valves are accurate, have low pressure rise vs. flow, they are smooth and quiet, and are moderately fast.

TECHNICAL DATA

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

| Pilot Ratio | 20:1 |
|-------------------------------------------|-------------------------|
| Hysteresis (with dither) | <4% |
| Maximum Operating Pressure | 140 bar |
| Response Time - Typical | 10 ms |
| Maximum Valve Leakage at 110 SUS (24 cSt) | 65 cc/min.@70 bar |
| Maximum Air Pressure | 10,5 bar |
| Seal kit - Cartridge | Buna: 990016007 |
| Seal kit - Cartridge | Polyurethane: 990016002 |
| Seal kit - Cartridge | Viton: 990016006 |

CONFIGURATION OPTIONS

Model Code Example: RPIDBBN

| CONTROL | (B) | OPERATING RANGE | (B) | SEAL MATERIAL | (N) |
|-----------------------|-----|----------------------------------------|-----|---------------|-----|
| B External 4-SAE Port | | B 50 - 1500 psi (3,5 - 105 bar) | | N Buna-N | |
| · | | | | V Viton | |