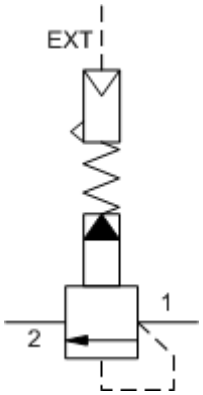

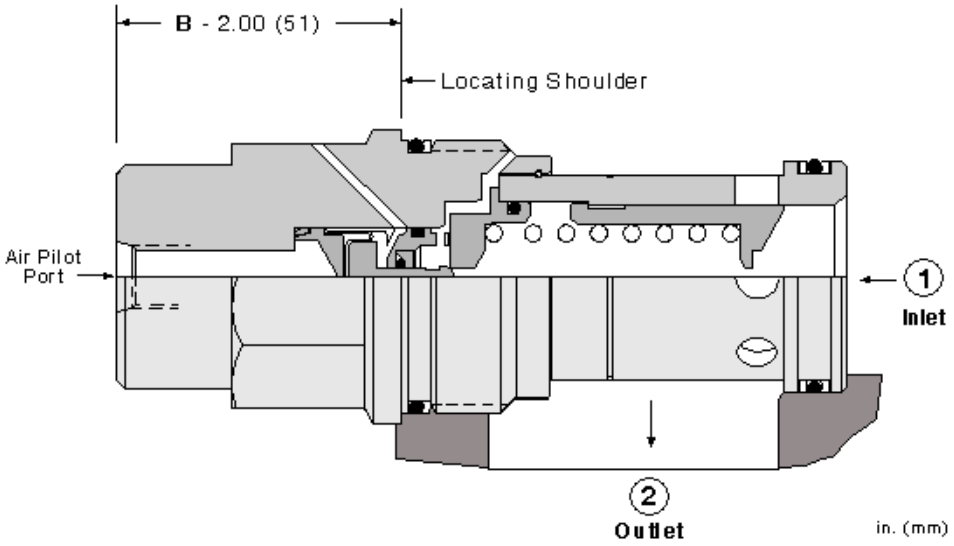

Air-controlled, pilot-operated, balanced piston relief cartridges use compressed air over a diaphragm instead of an adjustable spring to control pressure setting. The air signal is supplied through a port in the hex-end of the cartridge. They are normally closed pressure regulating valves. When the pressure 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.

Maximum Operating Pressure	2000 psi
Pilot Ratio	20:1
Maximum Air Pressure	150 psi
Maximum Valve Leakage at 110 SUS (24 cSt)	5 in³/min.@1000 psi
Response Time - Typical	10 ms
Seal kit - Cartridge	Buna: 990-018-007
Seal kit - Cartridge	Polyurethane: 990-018-002
Seal kit - Cartridge	Viton: 990-018-006

CONFIGURATION OPTIONS

Model Code Example: RPKDBBNV

CONTROL	(B)
B External 4-SAE Port	

OPERATING RANGE	(B)
B 50 - 1500 psi (3,5 - 105 bar)	

SEAL MATERIAL	(N)
N Buna-N	
V Viton	