



Non-adjustable direct-acting relief cartridges are normally closed, pressure-limiting valves used to protect hydraulic components from pressure transients. When the pressure at the inlet (port 1) reaches the valve setting, the valve starts to open to tank (port 2), throttling flow to limit the pressure rise. These valves are smooth and quiet, essentially zero leak, dirt tolerant, immune to silting and are very fast.

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

Maximum Operating Pressure	5000 psi
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at Reseat	10 drops/min.
Response Time - Typical	2 ms
Reseat	>90% of setting
Seal kit - Cartridge	Buna: 990-310-007
Seal kit - Cartridge	Viton: 990-310-006

CONFIGURATION OPTIONS

Model Code Example: RDDA3AN

ADJUSTMENT RANGE

(A) SEAL MATERIAL

(N) MATERIAL/COATING

A 500 - 3000 psi (35 - 210 bar)

C 1000 - 6000 psi (70 - 420 bar)

D 200 - 800 psi (14 - 55 bar)

N Buna-N

V Viton

Standard Material/Coating

/LH Mild Steel, Zinc-Nickel