



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.

Factory Pressure Settings Established at	15 L/min.
Maximum Operating Pressure	350 bar
Response Time - Typical	2 ms
Maximum Valve Leakage at Reseat	0,7 cc/min.
Reseat	>90% of setting
Seal kit - Cartridge	Buna: 990303007
Seal kit - Cartridge	EPDM: 990303014
Seal kit - Cartridge	Polyurethane: 990303002
Seal kit - Cartridge	Viton: 990303006

**CONFIGURATION OPTIONS**

**Model Code Example: RDFA3AN**

ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)
A 500 - 3000 psi (35 - 210 bar)		N Buna-N	
C 1000 - 6000 psi (70 - 420 bar)		V Viton	
D 200 - 800 psi (14 - 55 bar)			