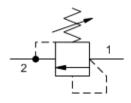
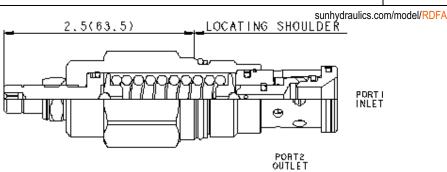
## Direct-acting relief valve SERIES 2 / CAPACITY: 50 gpm / CAVITY: T-3A





## CONFIGURATION

L	Control	Standard Screw Adjustment			
W	Adjustment Range	800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting			
N	Seal Material	Buna-N			
(none) Material/Coating		Standard Material/Coating			



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	4 gpm		
Maximum Operating Pressure	5000 psi		
Maximum Valve Leakage at Reseat	10 drops/min.		
Response Time - Typical	2 ms		
Reseat	>90% of setting		
Adjustment - No. of CW Turns from Min. to Max. setting	6		
Locknut Hex Size	9/16 in.		
Locknut Torque	80 - 90 lbf in.		
Seal kit - Cartridge	Buna: 990303007		
Seal kit - Cartridge	EPDM: 990303014		
Seal kit - Cartridge	Polyurethane: 990303002		
Seal kit - Cartridge	Viton: 990303006		

NOTES U.S. Patent #4,742,846; European Patent Pending

## **CONFIGURATION OPTIONS**

## Model Code Example: RDFALWN

CONTROL	(L)	ADJUSTMENT RANGE (W)	SE	EAL MATERIAL (N	V)	MATERIAL/COATING
<ul> <li>L Standard Screw Adjustment</li> <li>C Tamper Resistant - Factory Set</li> <li>Q Capped and Lockwired</li> </ul>		<ul> <li>W 800 - 4500 psi (55 - 315 bar), 1000 psi (70 bar) Standard Setting</li> <li>A 500 - 3000 psi (35 - 210 bar), 1000 psi (70 bar) Standard Setting</li> <li>B 300 - 1500 psi (20 - 105 bar), 1000 psi (70 bar) Standard Setting</li> <li>C 1000 - 6000 psi (70 - 420 bar), 1000 psi (70 bar) Standard Setting</li> <li>D 200 - 800 psi (14 - 55 bar), 400 psi (28 bar) Standard Setting</li> <li>E 100 - 400 psi (7 - 28 bar), 200 psi (14 bar) Standard Setting</li> <li>S 50 - 200 psi (3.5 - 14 bar), 100 psi (7</li> </ul>	E	EPDM Viton		Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel

bar) Standard Setting