



This assembly consists of a bypass/restrictive, fixed-orifice, priority flow control which takes an input flow at port P and uses it to satisfy the priority flow at port CF. If the input flow exceeds the priority flow requirement, the excess is bypassed out port EF. The bypass flow may be used in a secondary circuit. The relief valve protects the controlled flow from over-pressurization, relieving excess flow out of port T.

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

Body Type	Line mount
Control Flow Range	.2 - 50 gpm

- NOTES:**
- Flange mounting hole data: Inch: 1/2-13 UNC x 1.06 (26,9 mm) DP, Metric: M12 x 1.75-6H x .106 (26,9 mm) DP
  - **Important:** Carefully consider the maximum system pressure. The pressure rating of the manifold is dependent on the manifold material, with the port type/size a secondary consideration. Manifolds constructed of aluminum are not rated for pressures higher than 3000 psi (210 bar), regardless of the port type/size specified.
  - For detailed information regarding the cartridges contained in this assembly, click on the models codes shown in the Included Components tab.

**CONFIGURATION OPTIONS**

**Model Code Example: YRHFLAWANNLS**

CONTROL (L)	ADJUSTMENT RANGE (A)	ADJUSTMENT RANGE (W)	ADJUSTMENT RANGE (A)	SEAL MATERIAL (N)	SEAL MATERIAL (N)	SEAL MATERIAL (N)	CONTROL LETTER(S) OF SUBORDINATE CARTRIDGE (L)
L Standard Screw Adjustment	A 100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting	W 100 - 5000 psi (7 - 350 bar)	A 100 - 3000 psi (7 - 210 bar)	N Buna-N V Viton	N Buna-N V Viton	N Buna-N V Viton	L Tuning Adjust (with RPGC primary cartridge, Pilot-operated, balanced piston relief valve)
C Tamper Resistant - Factory Set	B 50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting	D 25 - 3000 psi (1,7 - 210 bar)	C 150 - 6000 psi (10,5 - 420 bar)				X Non-Adjustable (with RPGC primary cartridge, Pilot-operated, balanced piston relief valve)
K Handknob			D 25 - 800 psi (1,7 - 55 bar)				L Tuning Adjust (with RPGC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
W Hex Wrench Adjustment							X Non-Adjustable (with RPGC8 primary cartridge, Pilot-operated, balanced piston relief main stage with integral T-8A control cavity)
Y Tri-Grip Handknob	C 150 - 6000 psi (10,5 - 420 bar), 1000 psi (70 bar) Standard Setting						
	D 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting						
	E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting						
	N 60 - 800 psi (4 - 55 bar), 400 psi (28 bar) Standard Setting						
	Q 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting						
	W 150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting						

CONTROL  
LETTER(S) OF  
SUBORDINATE  
CARTRIDGE (L)

PORT AND  
MATERIAL

(S) DESIGNATION

L Tuning  
Adjust  
(with  
RPGC3  
primary  
cartridge,  
Non-  
adjustable  
pilot-  
operated,  
balanced  
piston  
relief  
valve)

X Non-  
Adjustable  
(with  
RPGC3  
primary  
cartridge,  
Non-  
adjustable  
pilot-  
operated,  
balanced  
piston  
relief  
valve)

S Ports EF

& P  
— 2"  
Code 61;  
Ports CF  
& T  
— 1 1/2  
in. Code  
61; Gage  
Port —  
1/4"