

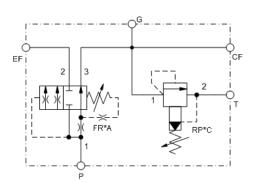


Fixed-orifice, bypass/restrictive, priority flow control with relief assembly

CAPACITY: 120 gpm



sunhydraulics.com/model/YRHF



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 .1.06 (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.

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CONFIGURATION OPTIONS Model Code Example: YRHFLAWANNNLS CONTROL (L) **ADJUSTMENT ADJUSTMENT ADJUSTMENT SEAL SEAL** CONTROL RANGE **RANGE RANGE** MATERIAL (N) MATERIAL (N) MATERIA(N) LETTER(S) OF (A) (W) (A) SUBORDINATE Standard 100 -W 100 -100 -N Buna-N N Buna-N Buna-CARTRIDGE (L) Screw 3000 psi 5000 psi 3000 psi Adjustment Ν Viton ٧ Viton (7 - 210)(7 - 350)(7 - 210)Tuning V Viton С Tamper bar), bar) bar) Adjust Resistant -1000 psi (with Factory 25 - 3000 C 150 -(70 bar) RPGC Set psi (1,7 -6000 psi Standard primary (10,5 -210 bar) Handknob Κ Setting cartridge, 420 bar) W Hex Pilot-**B** 50 - 1500 25 - 800 Wrench operated, psi (3,5 psi (1,7 -Adjustment balanced 105 bar), 55 bar) Tri-Grip piston 1000 psi relief Handknob (70 bar) valve) Standard Setting Χ Non-Adjustable 150 -(with 6000 psi **RPGC** (10,5 primary 420 bar), cartridge, 1000 psi Pilot-(70 bar) operated, Standard balanced Setting piston 25 - 800 D relief psi (1,7 valve) 55 bar), Tuning 400 psi Adjust (28 bar) (with Standard RPGC8 Setting primary 25 - 400 Ε cartridge, psi (1,7 -Pilot-28 bar), operated, 200 psi balanced (14 bar) piston Standard relief main Setting stage with 60 - 800 integral Tpsi (4 -8A control 55 bar), cavity) 400 psi Non-Х (28 bar) Adjustable Standard (with Setting RPGC8 60 - 400 primary psi (4 cartridge, 28 bar), Pilot-200 psi operated, (14 bar) balanced

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piston

relief main stage with

integral T-

8A control

cavity)

Standard

4500 psi

315 bar), 1000 psi (70 bar) Standard Setting

(10,5 -

Setting

150 -

CONTROL LETTER(S) OF SUBORDINATE CARTRIDGE (L)

PORT AND MATERIAL

(S) DESIGNATION

L Tuning
Adjust
(with
RPGC3
primary
cartridge,
Nonadjustable
pilotoperated,
balanced
piston
relief

valve) Non-Х Adjustable (with RPGC3 primary cartridge, Nonadjustable pilotoperated, balanced piston relief valve)

