

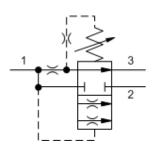
MODEL FRCA

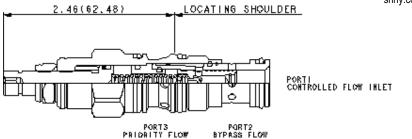
Fixed orifice, bypass/restrictive, priority, flow control valve

SERIES 1 / CAPACITY: 6 gpm / CAVITY: T-11A



snhy.com/FRCA





#### **CONFIGURATION**

L	Control	Tuning Adjustment		
A	Setting Range	Replaceable Orifice .1 - 6 gpm (0,4 - 23 L/min.)		
N	Seal Material	Buna-N		
(none) Material/Coating		Standard Material/Coating		

Bypass/restrictive, fixed-orifice, priority flow controls take an input flow at port 1 and use it to satisfy the priority flow at port 3. If the input flow exceeds the priority flow requirement, the excess is bypassed out port 2. The bypass flow may be used in a secondary circuit.

#### **TECHNICAL DATA**

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

Cavity	T-11A		
Series	1		
Capacity	6 gpm		
Maximum Operating Pressure	5000 psi		
Maximum Input Flow	15 gpm		
Valve Hex Size	7/8 in.		
Valve Installation Torque	30 - 35 lbf ft		
Adjustment Screw Internal Hex Size	5/32 in.		
Locknut Hex Size	9/16 in.		
Locknut Torque	80 - 90 lbf in.		
Seal kit - Cartridge	Buna: 990011007		
Seal kit - Cartridge	Polyurethane: 990011002		
Seal kit - Cartridge	Viton: 990011006		
Model Weight	0.34 lb.		

# **CONFIGURATION OPTIONS**

## Model Code Example: FRCALAN

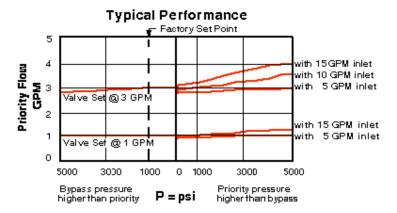
CONTROL	(L)	SETTING RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
L Tuning Adjustment		A Replaceable Orifice .1 - 6 gp	om (0,4 - 23	N Buna-N		Standard Material/Coating
<b>K</b> Handknob		L/min.)		<b>V</b> Viton		/AP Stainless Steel, Passivated
X Not Adjustable						

## **TECHNICAL FEATURES**

- Customer must specify a flow rating. Factory set flow ratings are within +/- 10% of the requested setting.
- Both priority and bypass flow are usable up to the system operating pressure.
- Priority remains relatively constant regardless of variation in input flow.
- Bypass flow is not available until priority flow requirements are satisfied.
- Pressure at the bypass port (port 2) may exceed pressure at the priority port (port 3).
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- A tuneable adjustment control option provides up to +/- 25% variation from the nominal factory pre-set flow. Adjustment is done with +/- 3 turns of the adjust screw. Screw in (CW) to increase flow.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge
  machining variations.

### PERFORMANCE CURVES

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