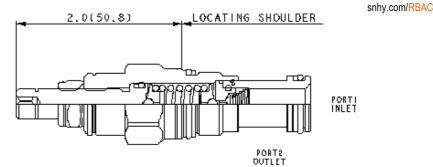


## CONFIGURATION

(none) Material/Coating

L	Control	Standard Screw Adjustment
C Adjustment Range		25 - 6000 psi (1,7 - 420 bar), 1000 psi (70 bar) Standard Setting
N	Seal Material	Buna-N



Direct-acting, pilot relief cartridges are used to remotely control the pressure setting of other pilot-operated valves. Because capacity is limited to pilot flow, these valves should be used with other higher flow valves.

### TECHNICAL DATA

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

Cavity	T-10A		
Series	1		
Capacity	1 L/min.		
Max. Operating Press.	350 bar		
Maximum Valve Leakage at 110 SUS (24 cSt)	0,3 cc/min.		
Response Time - Typical	2 ms		
Adjustment - No. of CW Turns from Min. to Max. setting	5		
Valve Hex Size	22,2 mm		
Valve Installation Torque	41 - 47 Nm		
Adjustment Screw Internal Hex Size	4 mm		
Locknut Hex Size	15 mm		
Locknut Torque	9 - 10 Nm		
Seal kit - Cartridge	Buna: 990010007		
Seal kit - Cartridge	EPDM: 990010014		
Seal kit - Cartridge	Polyurethane: 990010002		
Seal kit - Cartridge	Viton: 990010006		
Model Weight	0.14 kg.		

NOTES

ES For Series 1 cartridges configured with an O control (panel mount handknob), a .75 in. (19 mm) diameter hole is required in the panel.

# **CONFIGURATION OPTIONS**

# Model Code Example: RBACLCN

CONTROL	(L)	ADJUSTMENT RANGE (C)	SEAL MATERIAL	(N)	MATERIAL/COATING
<ul> <li>L Standard Screw Adjustment</li> <li>C Tamper Resistant - Factory Set</li> <li>J Capped Screw Adjustment</li> <li>K Handknob</li> <li>O Handknob with Panel Mount</li> </ul>		<ul> <li>C 25 - 6000 psi (1,7 - 420 bar), 1000 psi (70 bar) Standard Setting</li> <li>A 25 - 3000 psi (1,7 - 210 bar), 1000 psi (70 bar) Standard Setting</li> <li>W 25 - 4500 psi (1,7 - 315 bar), 1000 psi (70 bar) Standard Setting</li> <li>B 25 - 1500 psi (1,7 - 105 bar), 1000 psi (70 bar) Standard Setting</li> <li>D 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting</li> </ul>	N Buna-N E EPDM V Viton		Standard Material/Coating /AP Stainless Steel, Passivated /LH Mild Steel, Zinc-Nickel

E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting

# Setting Buna-N Standard Material/Coating Cavity Series

# **TECHNICAL FEATURES**

- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- Main stage orifice is protected by a 150-micron stainless steel screen.
- Suitable for use in load holding applications.
- Back pressure on the tank port (port 2) is directly additive to the valve setting at a 1:1 ratio.
- W and Y controls (where applicable) can be specified with or without a special setting. When no special setting is specified, the valve is adjustable throughout its full range using the W or Y control. When a special setting is specified, this setting represents the maximum setting of the valve.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- 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**

