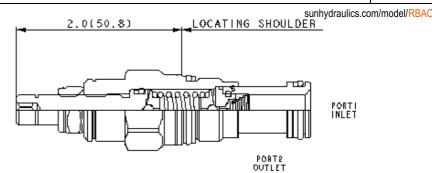


# CONFIGURATION

L	Control	Standard Screw Adjustment	
Α	Adjustment Range	25 - 3000 psi (1,7 - 210 bar), 1000 psi (70 bar) Standard Setting	E
Ν	Seal Material	Buna-N	1
/AP Material/Coating		Stainless Steel, Passivated	



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.	
Maximum Operating Pressure	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 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: RBACLAN/AP

CONTROL (L	ADJUSTMENT RANGE (A)	SEAL MATERIAL (N)	MATERIAL/COATING (/AP)
<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>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>C 25 - 6000 psi (1,7 - 420 bar), 1000 psi (70 bar) Standard Setting</li> <li>D 25 - 800 psi (1,7 - 55 bar), 400 psi (28 bar) Standard Setting</li> <li>E 25 - 400 psi (1,7 - 28 bar), 200 psi (14 bar) Standard Setting</li> </ul>	N Buna-N E EPDM V Viton	/AP Stainless Steel, Passivated Standard Material/Coating /LH Mild Steel, Zinc-Nickel

# **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

