

CONFIGURATION

L	Control	Standard Screw Adjustment
W	Adjustment Range	25 - 4500 psi (1,7 - 315 bar), 1000 psi (70 bar) Standard Setting
V	Seal Material	Viton
(none)	Material/Coating	Standard Material/Coating

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

Maximum Operating Pressure	5000 psi
Response Time - Typical	2 ms
Maximum Valve Leakage at 110 SUS (24 cSt)	5 drops/min.
Adjustment - Number of Clockwise Turns to Increase Setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-010-007
Seal kit - Cartridge	Polyurethane: 990-010-002
Seal kit - Cartridge	Viton: 990-010-006

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: RBACLWW

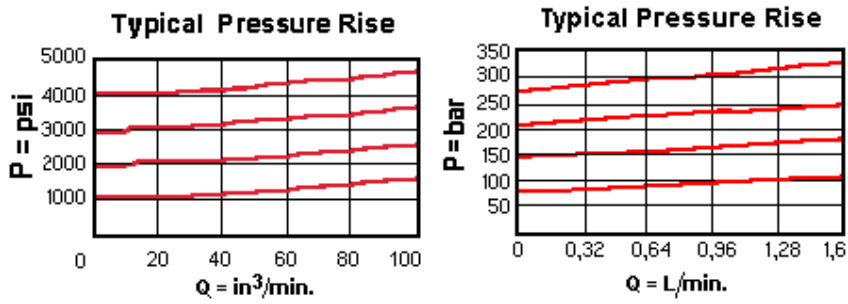
CONTROL	(L) ADJUSTMENT RANGE	(W) SEAL MATERIAL	(V) MATERIAL/COATING
L Standard Screw Adjustment	W 25 - 4500 psi (1,7 - 315 bar), 1000 psi (70 bar) Standard Setting	V Viton	Standard Material/Coating
C Tamper Resistant - Factory Set	A 25 - 3000 psi (1,7 - 210 bar), 1000 psi (70 bar) Standard Setting	N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

TECHNICAL FEATURES

- 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.
- Cartridges with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- 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



RELATED ACCESSORIES

- [XRAG](#) Direct-acting, solenoid operated pilot relief, valve assembly
- [XRAK](#) Solenoid operated pilot relief assembly
- [YCAA](#) Relief valve assembly, with reverse flow check
- [YRAG](#) Solenoid operated relief valve assembly, normally open