



Pilot-operated, pressure reducing valves reduce a high primary pressure at the inlet (port 2) to a constant reduced pressure at port 1, allowing circuits with multiple pressure requirements to be operated using a single pump.

CONFIGURATION

F	Control	Hex Head Screw with Locknut
B	Adjustment Range	50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting
N	Seal Material	Buna-N
(none) Material/Coating		

TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Factory Pressure Settings Established at	blocked control port (dead headed)
Control Pilot Flow	0,11 - 0,16 L/min.
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990011007
Seal kit - Cartridge	EPDM: 990011014
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006

- NOTES**
- Maximum pressure differentials for spring ranges: A and B are 3000 psi (210 bar) N and Q are 2000 psi (140 bar) W is 5000 psi (350 bar) inlet pressure
 - 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: PBDBArray

CONTROL	(F) ADJUSTMENT RANGE	(B) SEAL MATERIAL	(N) MATERIAL/COATING
F Hex Head Screw with Locknut	B 50 - 1500 psi (3,5 - 105 bar), 200 psi (14 bar) Standard Setting	N Buna-N	Standard Material/Coating
L Standard Screw Adjustment		V Viton	/AP Stainless Steel, Passivated
C Tamper Resistant - Factory Set	A 100 - 3000 psi (7 - 210 bar), 200 psi (14 bar) Standard Setting		/LH Mild Steel, Zinc-Nickel
K Handknob	W 150 - 4500 psi (10,5 - 315 bar), 200 psi (14 bar) Standard Setting		
W Hex Wrench Adjustment	N 60 - 800 psi (4 - 55 bar), 200 psi (14 bar) Standard Setting		
Y Tri-Grip Handknob	Q 60 - 400 psi (4 - 28 bar), 200 psi (14 bar) Standard Setting		