



in. (mm)

Pilot-operated, 3-way directional cartridges (1 blocked, 2-to-3 open) are switching devices typically used in moderate-flow circuits. They can be used by themselves or to actuate larger pilot-operated directional cartridges or logic cartridges. The valve shifts when the pressure differential between port 1 and port 4 exceeds the setting.

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

Maximum Operating Pressure	5000 psi
Control Pilot Flow	10 - 15 in ³ /min.
Factory Pressure Settings Established at	4 gpm
Maximum Valve Leakage at 110 SUS (24 cSt)	1 in ³ /min.@1000 psi
Adjustment - No. of CW Turns from Min. to Max. setting	5
Locknut Hex Size	9/16 in.
Locknut Torque	80 - 90 lbf in.
Seal kit - Cartridge	Buna: 990-022-007
Seal kit - Cartridge	Polyurethane: 990-022-002
Seal kit - Cartridge	Viton: 990-022-006

CONFIGURATION OPTIONS

Model Code Example: DPCOLANV

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING
L Standard Screw Adjustment	A	100 - 3000 psi (7 - 210 bar), 1000 psi (70 bar) Standard Setting	N	Buna-N		Standard Material/Coating
C Tamper Resistant - Factory Set	B	50 - 1500 psi (3,5 - 105 bar), 1000 psi (70 bar) Standard Setting	V	Viton	IAP	Stainless Steel, Passivated
	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				
	W	150 - 4500 psi (10,5 - 315 bar), 1000 psi (70 bar) Standard Setting				