



These unbalanced, pilot-to-open logic valves are 2-way switching elements that are spring biased open. Pressure at either work port 1 or 2 will oppose the spring and tend to close the valve while pressure at port 3 will tend to open it. The force generated at port 3, minus the spring force, must be greater than the sum of the forces acting at port 1 and port 2 for the valve to close. NOTE: The pilot area (port 3) is 1.8 times the area at port 1 and 2.25 times the area at port 2.

TECHNICAL DATA

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

Maximum Operating Pressure	350 bar
Maximum Valve Leakage at 110 SUS (24 cSt)	0,7 cc/min.@70 bar
Pilot Volume Displacement	0,33 cc
Pilot Passage into Valve	0,8 mm
Area Ratio, A3 to A1	1.8:1
Area Ratio, A3 to A2	2.25:1
Seal kit - Cartridge	Buna: 990011007
Seal kit - Cartridge	Polyurethane: 990011002
Seal kit - Cartridge	Viton: 990011006

CONFIGURATION OPTIONS

Model Code Example: LKDOXDN

CONTROL	(X)	MINIMUM PILOT PRESSURE	(D)	SEAL MATERIAL	(N)
X Not Adjustable		D 50 psi (3,5 bar)		N Buna-N	
				V Viton	