LOGIC ELEMENT VALVE
(Unbalanced Poppet, Pilot-to-Close and Vent-to-Open)

Ordering Code: **LO-11A-X-Y-Z**

Sectional Drawings X=3C

4.0 Hex.

Control Option:
Maximum extension
from locating shoulder.
(Z=L Control shown)

3/8"-24UNF-2A

14.27 Hex. (9/16 inch)
Torque 9-10 Nm
Apply CH (5JAA097)
Plastic tamper
resistant cover

Ø19

L=64
N=30

Maximum Extension
from Locating Shoulder.

22.22 Hex.
(7/8 inch)

Valve ③

Ø0.9

Locating Shoulder

35.05 (Ref.)

M20x1.5

Valve ②

Valve ①

UNIT:mm

X=3A (Vent-to-Open)

X=3B (Vent-to-Open)

X=3C (Pilot-to-Close)

X=3D (Vent-to-Open)

X=3E (Pilot-to-Close)

Pressure Drop ① to ②

X=3A,3B,3C,3D

X=3E

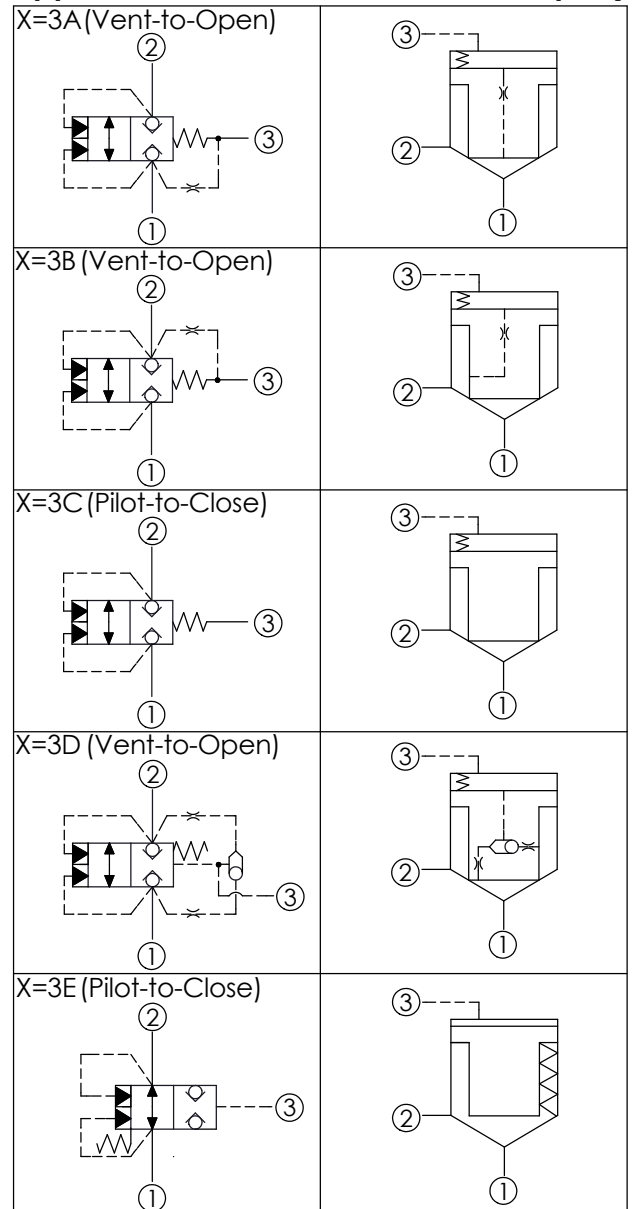Flow-Q(l/min)

X	OPERATION	
3A	Spring biased closed pilot source from Port ①	
3B	Spring biased closed pilot source from Port ②	
3C	Spring biased closed Port ③ pilot source	
3D	Spring biased closed Higher of Ports ① or ② pilot source	
3E	Spring biased Open Port ③ pilot source	

Y	SPRINGS	
	Cracking pressure	
35	3.5 bar at port ① ; (X=3E at port ③)(Standard)	

TECHNICAL DATA

Max. Operating pressure: 350 bar		
Rated flow:	95	l/min
Cavity-Tooling:	11A-3	
Installation torque:	40-50	Nm
Weight: 0.13 (**Z**=N) 0.16 (**Z**=L)		kg

· Area ratio:A3 to A1 = 1.8:1
· Area ratio:A3 to A2 = 2.25:1
· With Sealed Piston.
· All ports will accept 350 bar.

Z	OPTIONS	
N	Non-adjustable	
NP	Non-adjustable With stainless steel external metal components (Buna-N Seal)	
L	Leakproof hex. socket screw. (Stroke Adjustment)	