LOGIC ELEMENT VALVE
(unbalanced poppet, vent-to-open switching element main stage with integral 8A-2 / 08W-2 control cavity)

Ordering Code: **LO-19A-X-Y-Z**

Sectional Drawings X=3D

- 8A-2 / 08W-2 Cavity
- 41.2 Hex. (1-5/8 inch)
- Drain ③
- M48x2.0
- Valve ②
- ⌀2.4
- Locating Shoulder
- 69
- 63.69 (Ref.)
- Valve ①

UNIT:mm

Illustrations / detail are for reference only.
Data subject to change.

Pressure Drop ①to②

Y=3.5 bar
Y=1.2 bar

P=bar (vertical axis: 0, 4, 8, 12, 16, 20)
Flow-Q(l/min) (horizontal axis: 0, 200, 400, 600, 800)
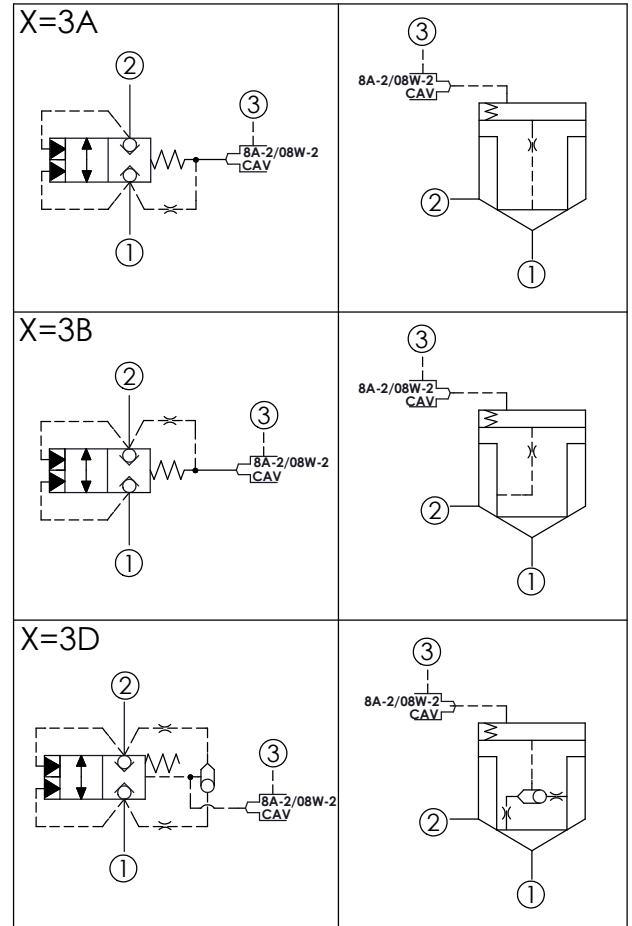
Y	SPRINGS	
	Cracking pressure	
D	3.5 bar at port ① (Standard)	
*B	1.2 bar at port ①	

*Please take note of if the selection Y=B, the response speed of spring return is slower.
· Any technical questions, please feel free to consult with our sales dept.

X=3A

8A-2/08W-2 CAV

X=3B

8A-2/08W-2 CAV

X=3D

8A-2/08W-2 CAV

TECHNICAL DATA

Max. Operating pressure: 350 bar		
Rated flow:	760	l/min
Cavity-Tooling:	19A-3 (19AB-3)	
Installation torque:	465 - 500	Nm
Weight: 1.22 (**Z**=8) 1.29 (**Z**=8W) 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.

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

Z	CAVITIES	
8	8A-2 Cavity	
8W	08W-2 Cavity (For solenoid operated, Please refer to **EP08W2A51*04** or **EP08W2A52*04**)	