2. 2.1 Property

Model code	Max. operating pressure MPa	Max. flow L/min	Tank Port pressure MPa		Max. response Freq. (times/min.)			Mass (kg)			
			AC solenoid	DC solenoid	AC	DC	ADC	Single sol.		Double sol.	
								AC	DC	AC	DC
DG4V-5 Series	31.5	Refer to * mark below	15.7	20.6	240	180	120	3.6	4.4	4.6	6.1

* CAUTIONS in HANDLING

The max. flow is the flow limit at which the valve will shift.

Because max. flow depends on the spool type, the usage condition and so on, refer to the catalog.

Also, as the valve is designed as a 4 way valve, max. flow is limited when using as the 2 way or the 3 way. For details contact us.

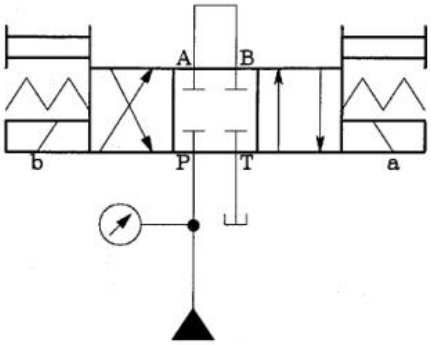
2. 2. 2 Switching time

Unit : ms

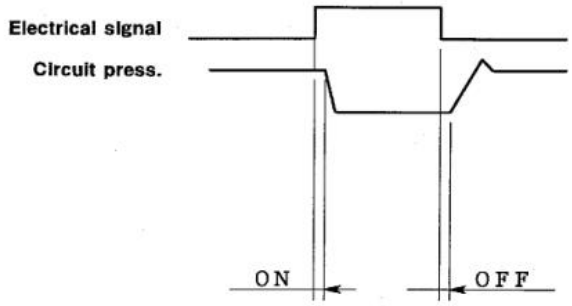
Power supply	Operating	De-energize time	Spring center type	Spring offset type	No spring detent type
AC	Energizing		10		10
	Spring return		25		———
DC	Energizing		60		60
	Spring return		25 *(100)		———
ADC	Energizing		60		60
	Spring return	fast	50		———
		slow	100		———

Measurement condition : Spool type 2, A-B loop circuit, flow 80L/min
Supply pressure 17.5MPa,
Fluid viscosity 36mm²/s

〈 Circuit ex. 〉



〈Switching time definition〉



CAUTIONS in HANDLING

The switching time sometimes depends on the spool type and the use condition.

2. 2. 3 Pressure drop characteristics

Measurement condition -- Viscosity 36mm²/s, specific gravity 0.87