

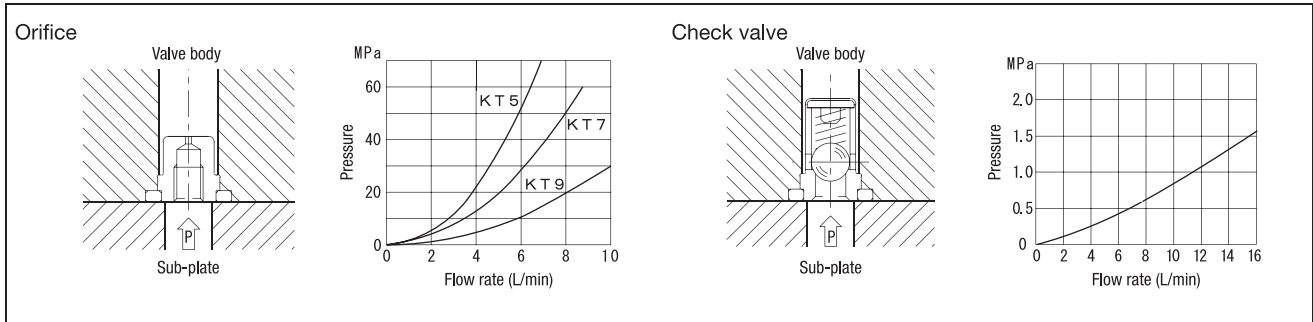
Esperblock (modular valve)

■KD Series Check Valve/Orifice (Optional)

●Either of a check valve or orifice (three models) can be incorporated into the P port of each valve. The valves are the cartridge type and can be incorporated easily.

Type	Item name	Hole diameter (mm)	Specification
KCH	Check valve	-	The 2-way valve prevents T → P flow, and the 3-way valve prevents A → P flow. Cracking pressure: 0.1 MPa
KT5	Orifice	0.5	①Used for when a rapid flow is restricted by a bleeder circuit, accumulator, etc. ②Blocked when the flow more than the valve performance runs.
KT7		0.7	
KT9		0.9	

■Characteristics of pressure loss

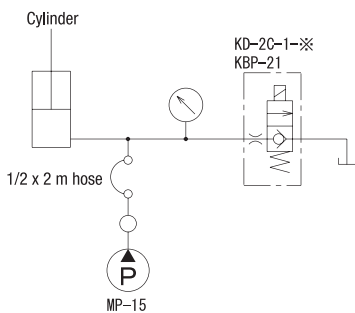


Hydraulic Valves

■References for selecting an orifice for depressure

Please use the following data as a guide to select an orifice to incorporate an optional orifice into a small-size solenoid valve and use it as a bleeder valve.

Measurement circuit



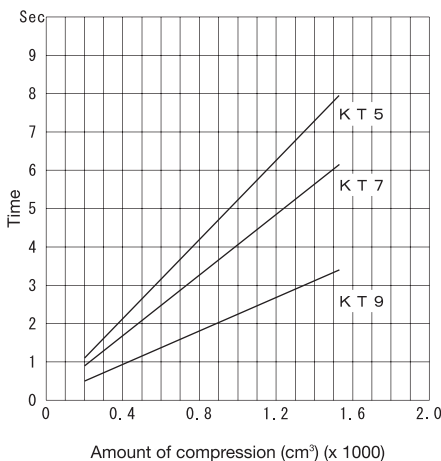
Measurement conditions

Hydraulic oil: 46cSt, 35°C

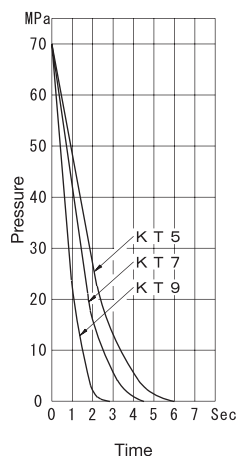
		Internal volume (cm ³)	Amount of compression (cm ³)
1	D30-850: Push side + High-pressure hose	36867 + 230 = 37097	1475 + 50 = 1525
2	D30-850: Pull side + High-pressure hose	17570 + 230 = 17800	703 + 50 = 753
3	D10-500: Push side + High-pressure hose	7328 + 230 = 7558	293 + 50 = 343
4	D10-500: Pull side + High-pressure hose	3773 + 230 = 4003	151 + 50 = 201

(Note) The amount of compression of the cylinder capacity was calculated by setting it at 4% when a 70 MPa pressure is applied.

Time for lowering from 70 MPa to 30 MPa D10-500 cylinder push side



Time for lowering from 70 MPa to 30 MPa D30-850 cylinder push side



Time for lowering from 70 MPa to 30 MPa D30-850 cylinder push side

