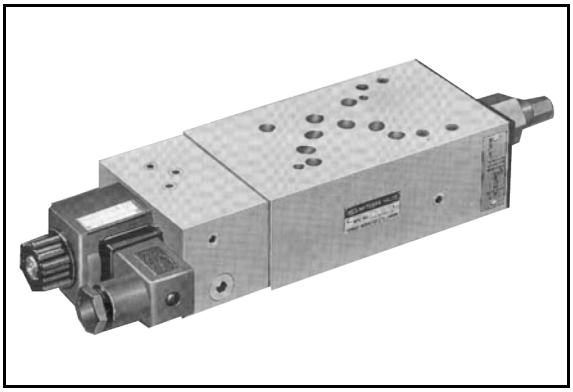
SOLENOID-OPERATED BRAKE VALVE (HLD3H)



This valve is used to enable smooth starting and stopping by alleviating the shock generated during acceleration/deceleration of an actuator with a large inertia.

The conventional solenoid-operated brake valve (HLD3) is modified into a stack type and a pressure reducing valve is installed in the pilot circuit as standard. This configuration allows accurate and smooth start and stop control even with large pressure variation in the circuit.

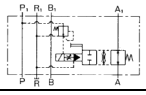
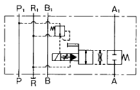
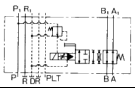
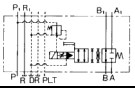
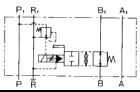
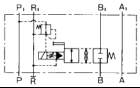
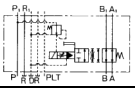
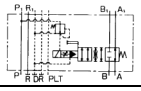
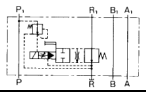
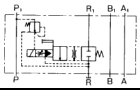
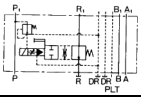
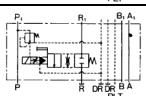
FEATURES

1. The valve smoothly controls starting and stopping of an actuator that has a large inertia.
2. The circuit can be configured by simply stacking the manifold and the valve and no internal piping is necessary.
3. Installation space is saved thanks to the stack type design.
4. Acceleration and deceleration control of an actuator is simplified.

SOLENOID CHARACTERISTICS

Model			W-22B-18	
			50 Hz	60 Hz
Current	Holding	100 V	0.46 A	0.36 A
		200 V	0.23 A	0.18 A
	Starting	100 V	2.36 A	2.08 A
		200 V	1.18 A	1.04 A

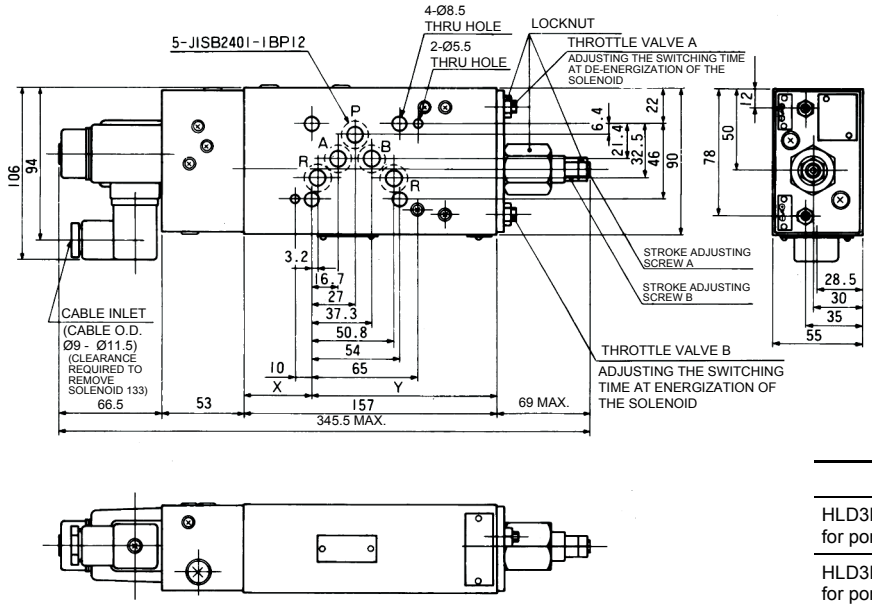
SPECIFICATIONS

Controlled Port	Type	Model	Max. Operating Pressure (MPa)	Rated Flow (L/min)	Permissible Back Pressure (MPa)	Symbol
A	Normally open	HLD3H-A-1CS40-03-A*	21	40	1	
	Normally closed	HLD3H-A-2CS40-03-A*				
	Normally open	HLD3H-A-1CS75-06-A*		75	21	
	Normally closed	HLD3H-A-2CS75-06-A*				
B	Normally open	HLD3H-B-1CS40-03-A*		40	1	
	Normally closed	HLD3H-B-2CS40-03-A*				
	Normally open	HLD3H-B-1CS75-06-A*		75	21	
	Normally closed	HLD3H-B-2CS75-06-A*				
R	Normally open	HLD3H-R-1CS40-03-A*		40	1	
	Normally closed	HLD3H-R-2CS40-03-A*				
	Normally open	HLD3H-R-1CS75-06-A*		75	21	
	Normally closed	HLD3H-R-2CS75-06-A*				

NOTE: The minimum operating pressure is 3.5 MPa. With size 03, add the back pressure value to this value.

EXTERNAL DIMENSIONS

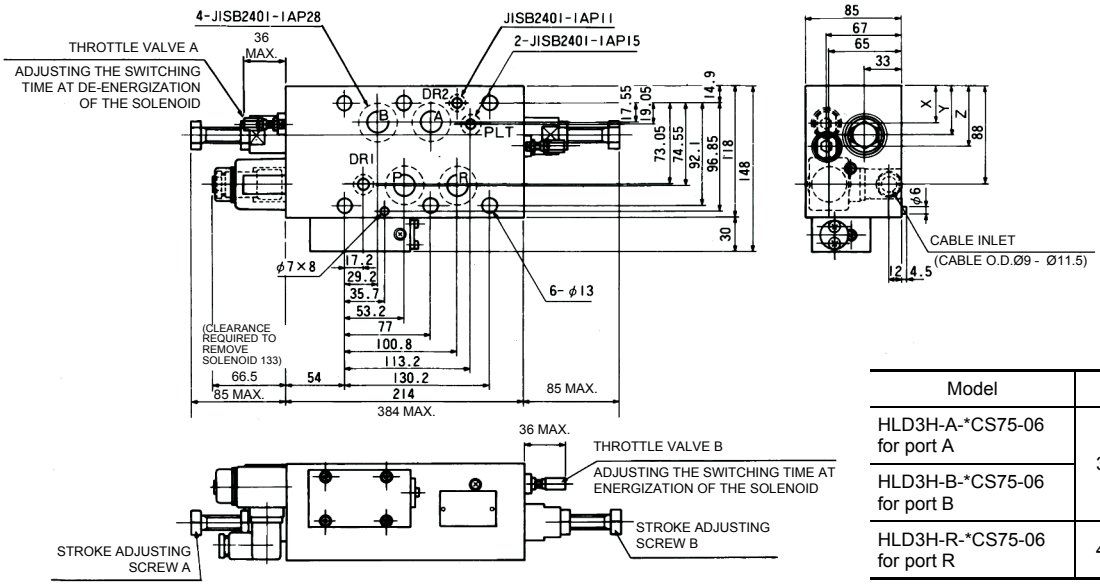
● HLD3H-*-*CS40-03-A*



Model	X	Y
HLD3H-A-*CS40-03 for port A	42	115
HLD3H-B-*CS40-03 for port B	23	134
HLD3H-R-*CS40-03 for port R	33	124

MASS: 7.5 kg

● HLD3H-*-*CS75-06-A*



Model	X	Y	Z
HLD3H-A-*CS75-06 for port A	34	44	54
HLD3H-B-*CS75-06 for port B			
HLD3H-R-*CS75-06 for port R	42	52	62

MASS: 15.3 kg