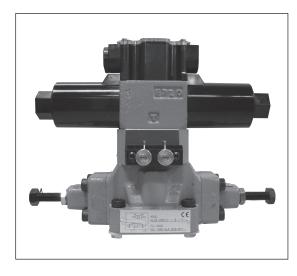
SOLENOID OPERATED BRAKE VALVE (HLD)



Features

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

The conventional series is modified significantly so as to allow accurate and smooth start and stop control even with larger pressure variation in the circuit.

- 1. The valve smoothly controls starting and stopping of actuator that has larger inertial.
- Since it is operated by a solenoid, the actuator can be controlled at any position without changing the valve position.
- The main valve switching speed adjustment dial and the stroke adjust screw allow to adjust the acceleration/deceleration and maximum and minimum flow rates.
- There are valves in which a pressure reducing valve with fixed pressure in a pilot circuit is assembled, and internal drain valves.
- Use with a switching frequency within 60 times/min.
- Use the voltage within a range of ±10% of the rated voltage.
- For the solenoid characteristics, refer to page 94.
- Use the stroke adjustment screw to control the maximum or minimum flow rate.
- Specify separately when the sub-plate SHLD**-**T1 is necessary.
- The valve is compatible with the conventional valves.
- Pilot valves are as follows: HD3-2S-BcA-025B-WY**
 - HD3-2WD-BcA-025B-WY**

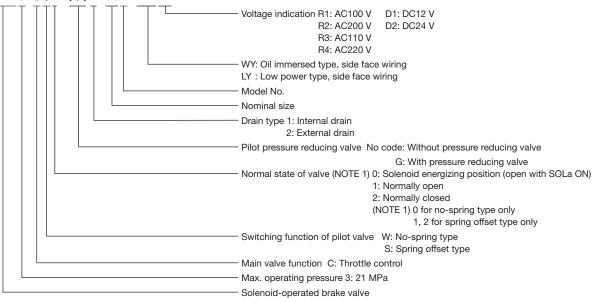
HD1-2S-BcA-025B -WY**

HD1-2WD-BcA-025B-WY**

- Since the drain is connected to the OUT port on the internal drain type valve, do not apply back pressure to the OUT port. (Permissible back pressure: 0.3 MPa or less)
- The main valve speed adjustment dial A adjusts the time from SOLb energization to main valve switching. The main valve speed adjustment dial B adjusts the time from SOLb energization or de-energization to main valve's return to home position.

■ Description of the model designation





■Specifications

Standard type

Nominal	Rated flow rate	Max. operating pressure	Max. pilot pressure (MPa)		Model
size	(L/min)	(MPa)	With pressure reducing valve	Without pressure reducing valve	Model
04	40	21	21	3.5	HLD3-C**-(G)*-04B-WY**
06	75	21	21	3.5	HLD3-C**-(G)*-06B-WY**
10	190	21	21	3.5	HLD3-C**-(G)*-10B-WY**

NOTE: Min. pilot pressure is 0.4 MPa.

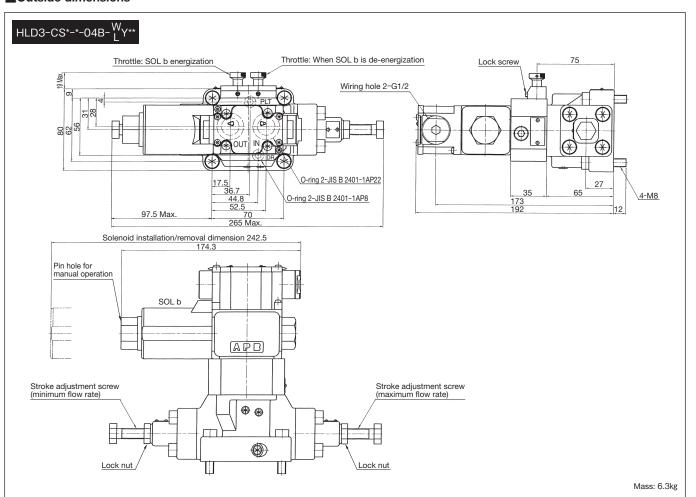
●Low power type

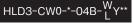
Nominal Rated flow rate		Max. operating pressure	Max. pilot pressure (MPa)		Model
size	(L/min)	(MPa)	With pressure reducing valve	Without pressure reducing valve	Model
04	40	21	21	3.5	HLD3-C**-(G)*-04B-LY**
06	75	21	21	3.5	HLD3-C**-(G)*-06B-LY**
10	190	21	21	3.5	HLD3-C**-(G)*-10B-LY**

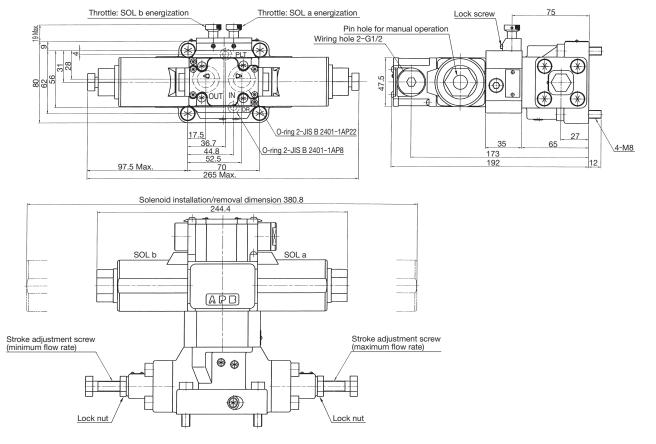
NOTE: Min. pilot pressure is 0.4 MPa.

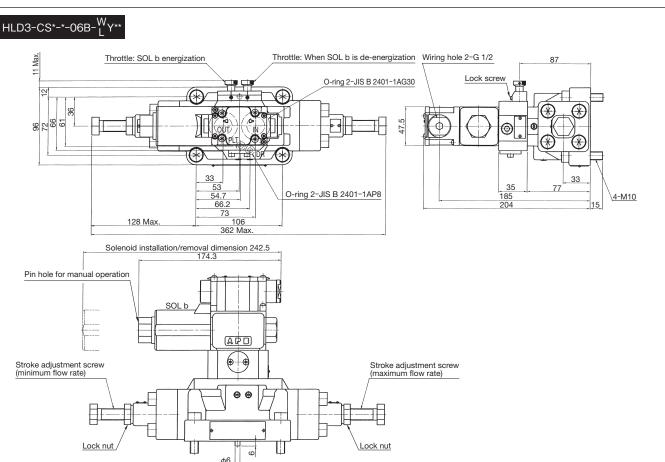
Kind

		Normally open type	Normally open type	Normally closed type	
		HLD3-CW0-1-*B-*	HLD3-CS1-1-*B-*	HLD3-CS2-1-*B-*	
Without	Internal drain	b// P# T # N a PLT OUT	b/ PHT OUT	b// PIT OUT	
pressure reducing valve		HLD3-CW0-2-*B-*	HLD3-CS1-2-*B-*	HLD3-CS2-2-*B-*	
	External drain	b// DR DR	b/⊅ # T	b// ▶ IN DR	
		HLD3-CW0-G1-*B-*	HLD3-CS1-G1-*B-*	HLD3-CS2-G1-*B-*	
With	Internal drain	DIN	DIN	DIN	
pressure reducing valve		HLD3-CW0-G2-*B-*	HLD3-CS1-G2-*B-*	HLD3-CS2-G2-*B-*	
	External drain	DIN DR	DIN DR	PLT: OUT DR	
Pilot valve	WY HD3-2WD-BcA-025B-***		HD3-2S-BcA-025B-***		
model	LY	HD1-2WD-BcA-025B-***	HD1-2S-BcA-025B-***		



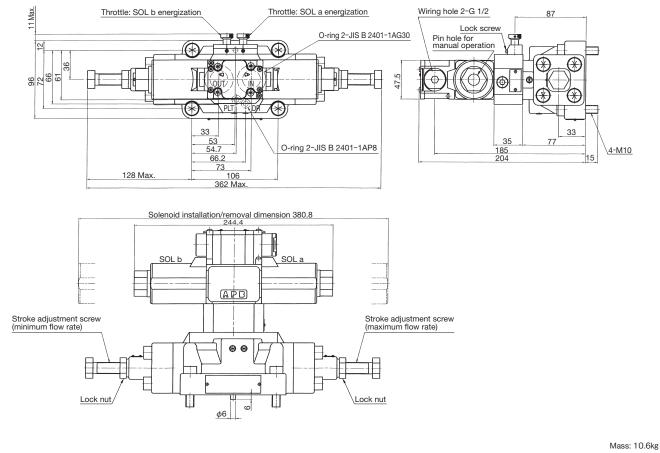


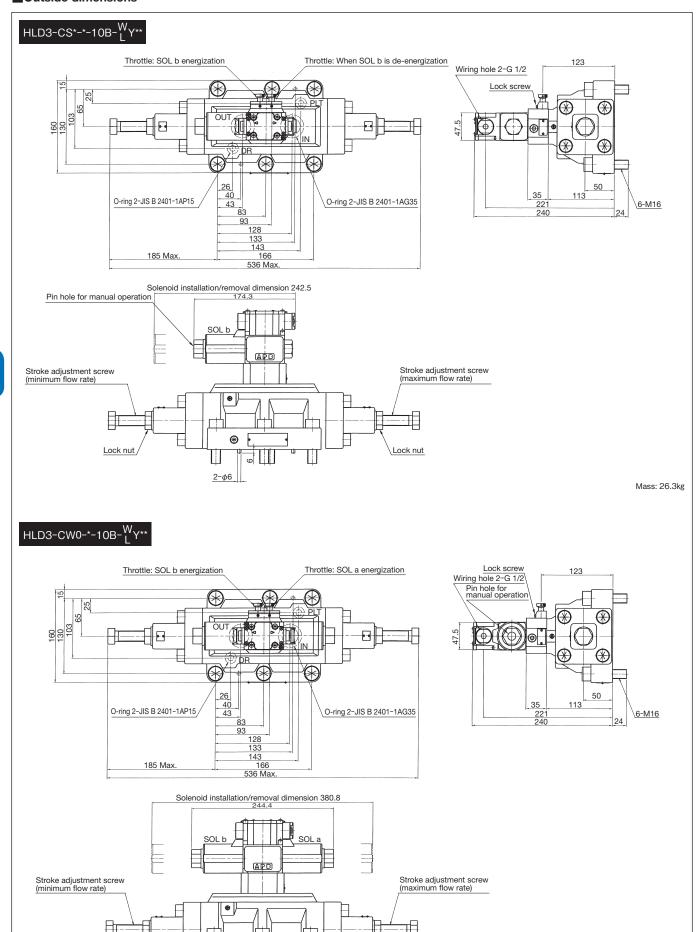




Mass: 9.8kg

HLD3-CW0-*-06B-WY**





Lock nut

Mass: 27.1kg

⊕

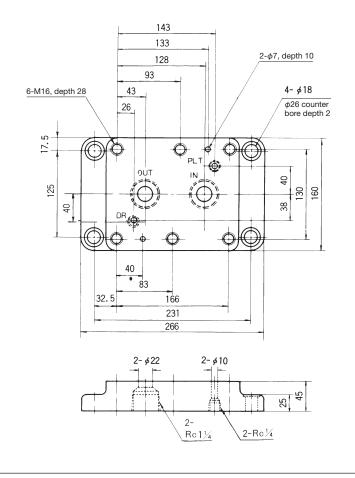
Lock nut

Mass: 4.1kg

SHLD04-04T1 SHLD06-06T1 80 52.5 ϕ 7, depth 7 73 36.7 35 4-ø9 33 4-M10, depth 20 4-M8, depth 14 4- ø 13 φ14 counter bore depth 0.5 17.5 φ20 counter bore depth 0.5 26 =| OUT OUT 6 IN 37 OUT IN 30 28 80 62 100 72 25 25 30 PLT DR $\phi | \Phi$ DR 53 54. 7 44.8 18 70 66.2 11 106 34.5 106 128 175 200 2- \$18 2- \$6 2- ø21 2- ø6 32 (20 10 2-Rc ½ 2-Rc 1/8 2-Rc3/4 2-Rc1/4

Mass: 1.3kg

SHLD10-10T1



Mass: 11.2kg