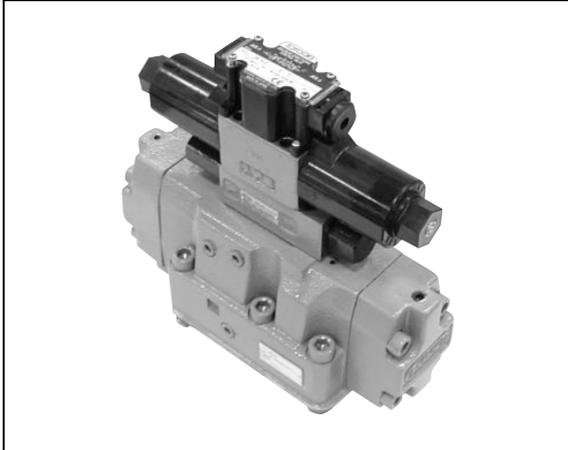


LOW-POWER CONSUMPTION TYPE PILOT-OPERATED DIRECTIONAL CONTROL VALVE (HDD3(C)-LY*) SIZE 04 / 06



This is an assembly of a low-power consumption solenoid valve and a directional control valve to operate the directional control valve (main valve) by means of the pilot pressure that is controlled by an energy saving type low-power consumption solenoid valve, thereby switching the direction of flow of large flow rate fluid at lower power and with little shock.

FEATURES

1. Because low-power consumption solenoid valve size 025 is used as a pilot valve, the valve saves energy since it consumes only low power.
2. The valve is constructed very compactly and is equipped with a power indicator lamp for both AC and DC.
3. Surge killer is standard.

⚠ Cautions on Use

Please read the Instruction Manual carefully to ensure correct usage.

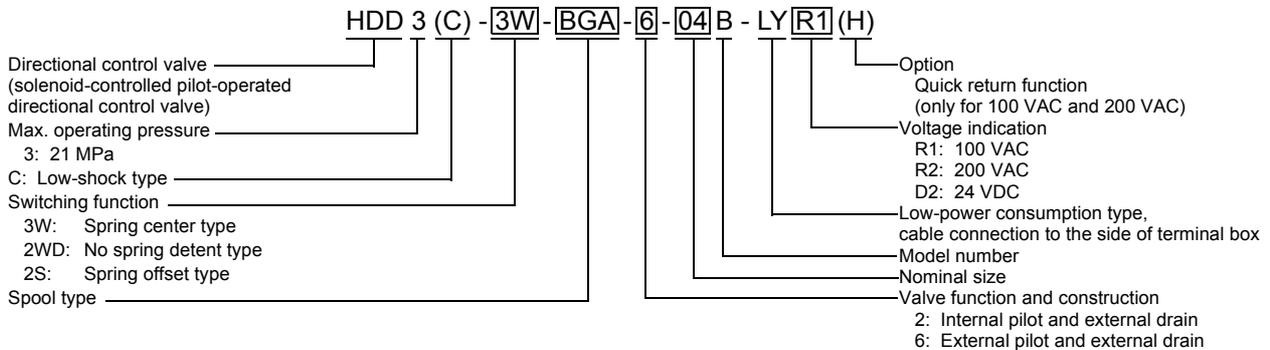
- The switching frequency must be within 1 time/sec.
- Mounting dimensions have interchangeability with conventional valves.
- This type of valve adopts the external drain method.
- Finish the mounting faces to the same quality as the valve faces (3.2 μmRz).

SPECIFICATIONS

Nominal Size	Rated Flow (L/min)	Max. Flow (L/min)	Max. Operating Pressure (MPa)	Permissible Back Pressure (MPa)	Pilot Pressure (MPa)		Voltage Range (V)	Model
					At Rated Flow	At Maximum Flow		
04	75	120	21	21	0.4 or more	0.5 or more	±10% or rated voltage	HDD3-**(D)-[***]-04B-LY**
06	120	190			0.35(0.4) or more	0.4(0.5) or more		HDD3-**(D)-[***]-06B-LY**

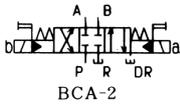
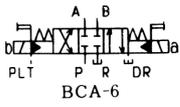
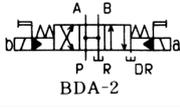
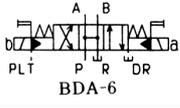
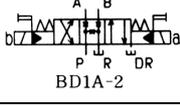
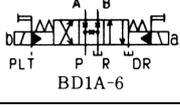
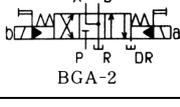
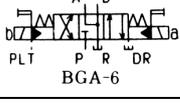
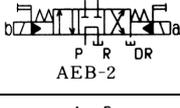
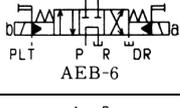
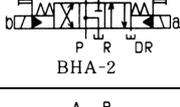
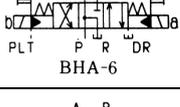
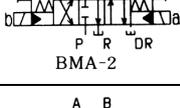
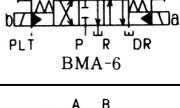
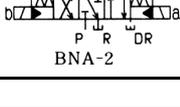
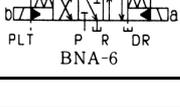
NOTE: Values in parentheses are the specifications of HDD3-3W-AEB-**-B-WY.

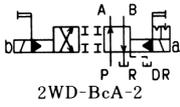
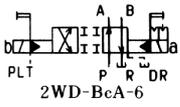
MODEL DESIGNATION



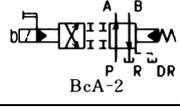
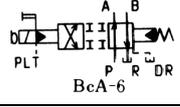
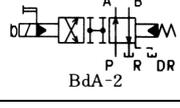
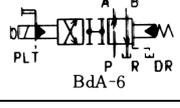
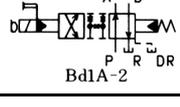
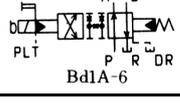
NOTE: For the solenoid characteristics, refer to HD1 series solenoid valve size 025 (page 93).

SPOOL TYPES

Function	Spring Center Type (3W)	
Model	HDD3(C)-3W- [***-] -B-****	
Construction	Internal Pilot, External Drain	External Pilot, External Drain
Spool type	 BCA-2	 BCA-6
	 BDA-2	 BDA-6
	 BD1A-2	 BD1A-6
	 BGA-2	 BGA-6
	 AEB-2	 AEB-6
	 BHA-2	 BHA-6
	 BMA-2	 BMA-6
	 BNA-2	 BNA-6

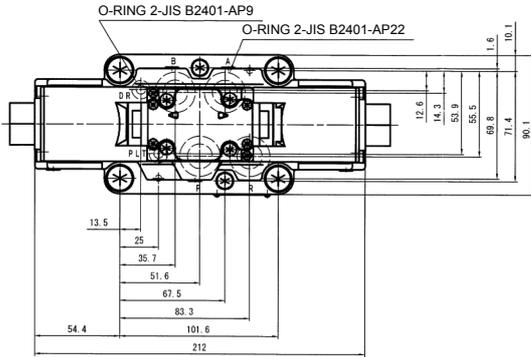
Function	No Spring Type (2W) and No Spring Detent Type (2WD)	
Model	HDD3(C)-2W(D)- [***-] -06B-****	
Construction	Internal Pilot, External Drain	External Pilot, External Drain
Spool type	 2WD-BcA-2	 2WD-BcA-6

NOTE: No-spring detent type valves have the switchover position holding function in the pilot valve.

Function	Spring Offset Type (2S)	
Model	HDD3(C)-2S- [***-] -06B-****	
Construction	Internal Pilot, External Drain	External Pilot, External Drain
Spool type	 BcA-2	 BcA-6
	 BdA-2	 BdA-6
	 Bd1A-2	 Bd1A-6

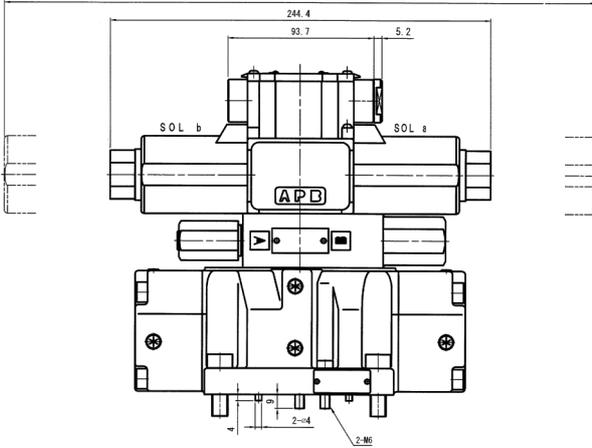
EXTERNAL DIMENSIONS

- HHD3(C)-^{3W}_{2WD} -***-*-04B-LY**



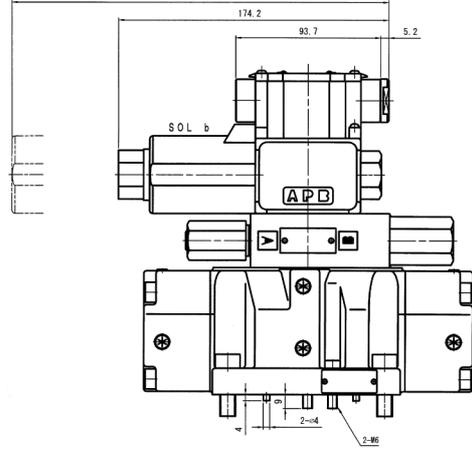
MASS: SINGLE SOLENOID: 9.7 kg
DOUBLE SOLENOID: 11.4 kg

CLEARANCE REQUIRED TO REMOVE SOLENOID 380.8



- HHD3(C)-2S-***-*-04B-LY**

CLEARANCE REQUIRED TO REMOVE SOLENOID 242.4

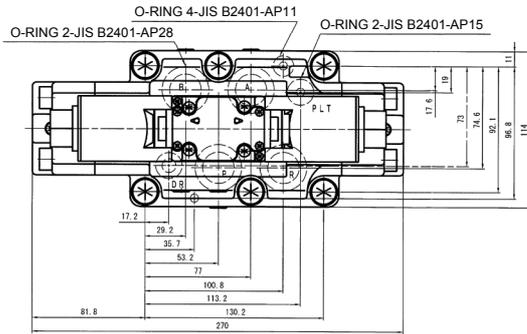


NOTE: PLEASE PROTECT THIS SOLENOID VALVE FROM POSSIBLE SURGE PRESSURE WHILE IN USE.

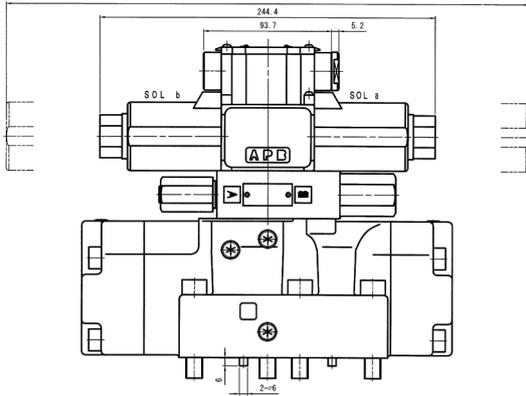
- FOR SUBPLATES SHD04-04T1 AND SHD04-06T1, REFER TO PAGE 303, AND FOR SUBPLATES SHD-04-04T3 AND SHD04-06T3, REFER TO PAGE 307.

EXTERNAL DIMENSIONS

- HHD3(C)- 3W -***-*-06B-LY**
2WD



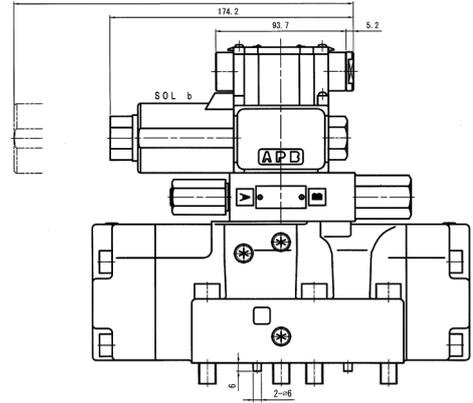
CLEARANCE REQUIRED TO REMOVE SOLENOID 380.8



MASS: SINGLE SOLENOID: 16.7 kg
DOUBLE SOLENOID: 17.4 kg

- HHD3(C)-2S-***-*-06B-LY**

CLEARANCE REQUIRED TO REMOVE SOLENOID 242.4



- NOTE:** PLEASE PROTECT THIS SOLENOID VALVE FROM POSSIBLE SURGE PRESSURE WHILE IN USE.
- FOR SUBPLATES SHD06-06T1A AND SHD06-08T1, REFER TO PAGE 303, AND FOR SUBPLATES SHD-06-06T3 AND SHD06-08T3, REFER TO PAGE 307.