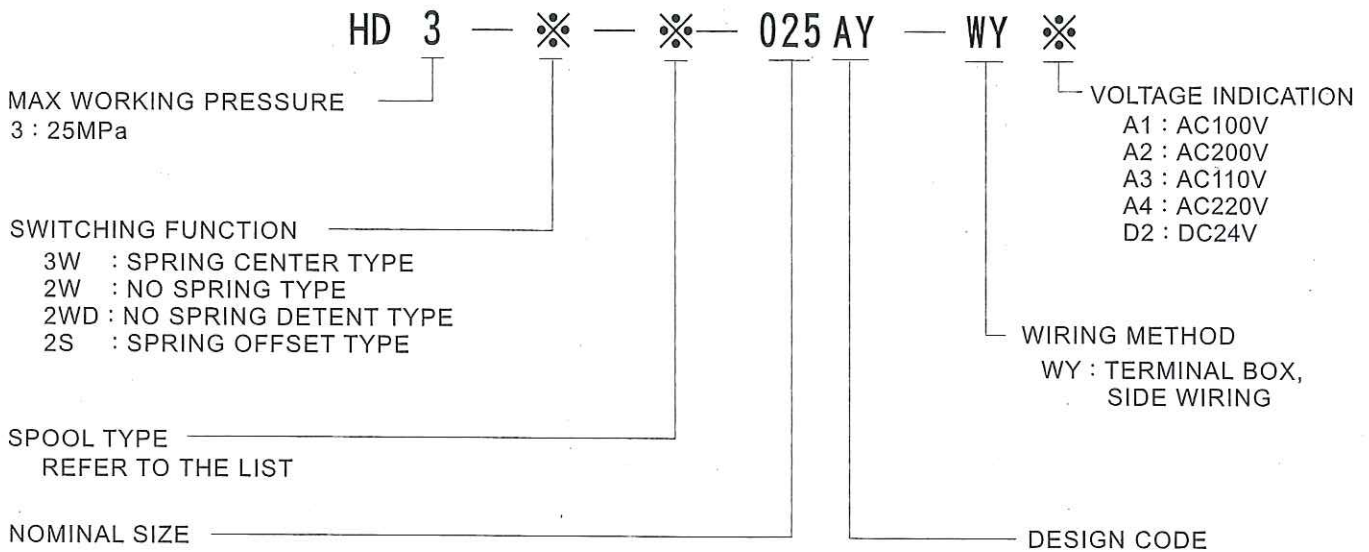


■ CHARACTERISTICS

- DESIGNED TO HAVE A CONSIDERABLE REDUCTION IN ITS INTERNAL LEAKAGE.
- ENHANCED RELIABILITY.

■ MODEL CODING



■ VALVE SPECIFICATION

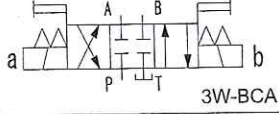
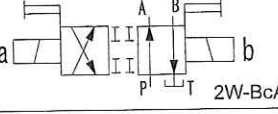
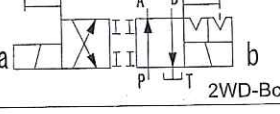
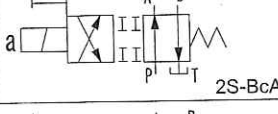
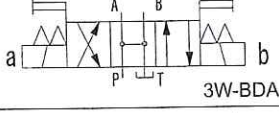
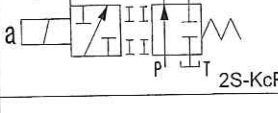
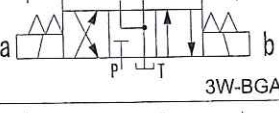
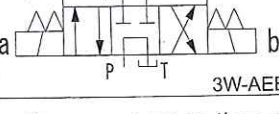
MAX WORKING PRESSURE	(MPa)	25
MAX FLOW (N.B.1)	(L/min)	50
T PORT C/PRESSURE (N.B.2)	(MPa)	16 (5)
SWITCHING FREQUENCY	(CYCLE/s)	NOT MORE THAN 2 CYCLES
VOLTAGE PERMISSIBLE RANGE		±10%V OF RATED VOLTAGE
PROTECTION STRUCTURE CLASS		IEC529 IP55
WORKING OIL (RECOMMENDED)		ISO VG 22、32、46
WORKING OIL VISCOSITY	(mm ² /s)	15 ~ 400
OIL TEMPERATURE	(°C)	0 ~ 65
ACCESSORIES (BOLT)		JIS B 1176 M5x45 (4 PIECES)
TIGHTENING TORQUE	(N-m)	6 ~ 8
MASS	[] :DC TYPE (kg)	3W、2W、2WD : 1.9 【2.1】 2S : 1.5 【1.6】

(N.B.1) For further details, please refer to the operation limit. (N.B.2) The valve shown in () is for detent type.

■ SOLENOID SPECIFICATION

ELECTRIC SOURCE	AC											DC	
	SLH3-025AY-A1			SLH3-025AY-A2			SLH3-025AY-A3			SLH3-025AY-A4			SLH3-025-D2
SOLENOID MODEL	SLH3-025AY-A1			SLH3-025AY-A2			SLH3-025AY-A3			SLH3-025AY-A4		SLH3-025-D2	
RATED VOLTAGE (V)	100	110		200			220	110	120	220	240	24	
FREQUENCY (Hz)	50	60	60	50	60	60	50	60	60	50	60	60	-
STARTING CURRENT (A)	2.0	1.8	1.9	1.0	0.9	1.0	1.8	1.6	1.7	0.9	0.8	0.9	-
HOLDING CURRENT (A)	0.47	0.37	0.43	0.24	0.19	0.22	0.42	0.33	0.39	0.22	0.17	0.20	1.22
CONSUMED POWER (W)	18.8	16.0	20.0	18.8	16.0	20.0	18.8	16.0	20.0	18.8	16.0	20.0	29.3

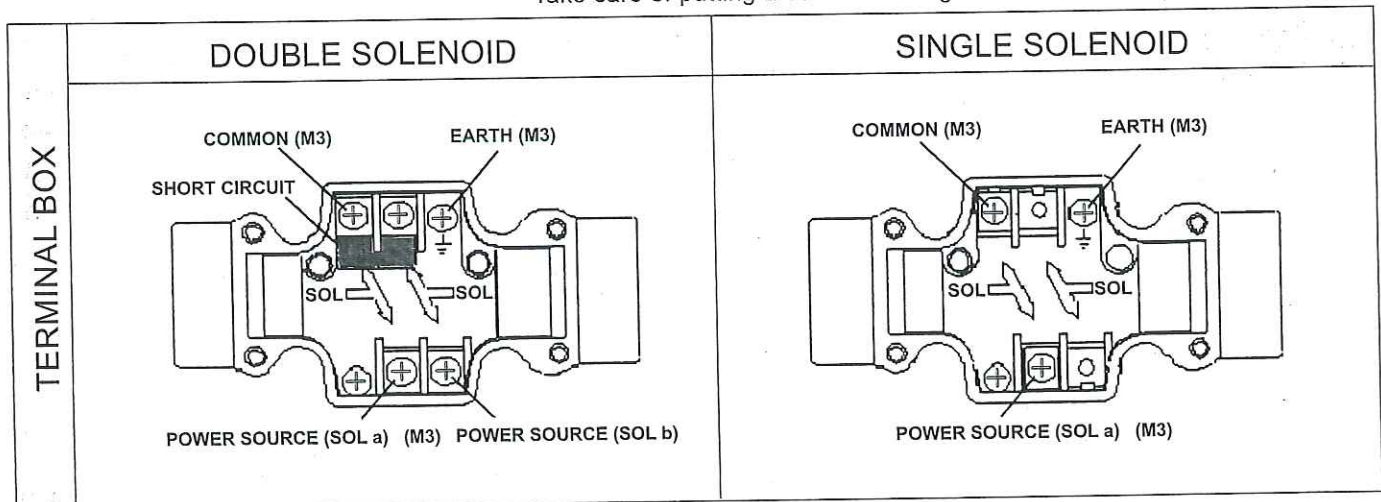
■ SPOOL TYPE

TYPE	SPRING CENTER	NO SPRING	NO SPRING DETENT	SPRING OFFSET
MODEL	HD3-3W-※-025AY-WY※	HD3-2W-※-025AY-WY※	HD3-2WD-※-025AY-WY※	HD3-2S-※-025AY-WY※
SPOOL TYPE	 3W-BCA	 2W-BcA	 2WD-BcA	 2S-BcA
	 3W-BDA			 2S-KcP
	 3W-BGA			
	 3W-AEB			

(N.B.3) For the other spool types than shown above, please consult us separately.

■ METHOD OF WIRING

Take care of putting a cover in the right manner after the wiring completed.



■ OPERATIONAL CARE

◆ VALVE

1. Please install the solenoid valve so that its spool should be horizontally positioned.
2. Maximum flow varies with the model, hydraulic circuit, working condition and so on.
3. If you keep solenoid valve energized or unenergized under pressure for a long period of time, it may cause the valve to malfunction. Please consult us if such a need may arise.
4. No spring detent type may be used in the case of the spool position maintained under unenergized condition. Where there is an excessive variation of T port counter pressure, instant flow, vibration and contamination, please keep the valve energized all the time to secure the spool position.

◆ ELECTRICITY

1. Before wiring works, please cut off power source.
2. If you use the solenoid valve energized continuously, its coil will be heated. Please do not touch it directly.

◆ WORKING OIL

1. Please maintain working oil within the contamination level of NAS1638-12 class. Otherwise, it may cause the valve to shorten its life or function improperly.
2. Please take care not to mix the different brand of working oil or coolant oil with the original working oil.

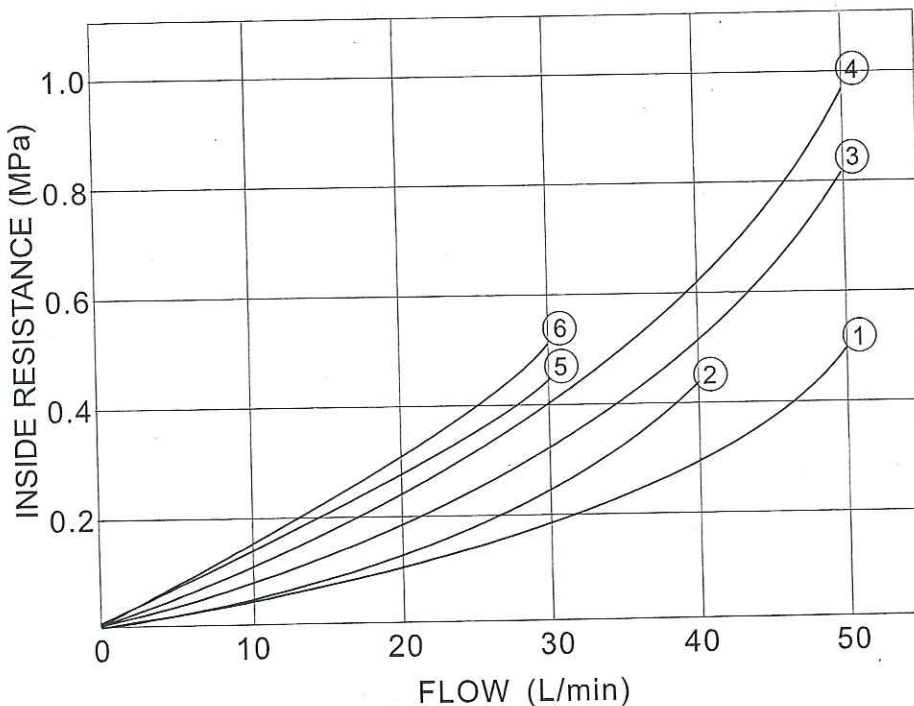
■ PERFORMANCE

◆ OPERATION LIMIT (DYNAMIC VISCOSITY : 33mm²/s)

It varies slightly with hydraulic circuit and working condition (voltage, pressure, flow, viscosity etc.)
The value of flow shown in the performance curves include the value of surge flow.

MAX FLOW (L/min)																
CIRCUIT		CYLINDER CIRCUIT					A PORT BLOCKED					B PORT BLOCKED				
MODEL		WORKING PRESSURE (MPa)					WORKING PRESSURE (MPa)					WORKING PRESSURE (MPa)				
		5	10	15	20	25	5	10	15	20	25	5	10	15	20	25
AC TYPE	3W-BCA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3W-BDA	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	3W-BGA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3W-AEB	30	30	25	25	20	30	30	30	30	20	30	30	30	30	20
	2W-BcA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2WD-BcA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2S-BcA	50	50	50	40	30	50	50	50	50	40	50	40	30	20	10
	2S-KcP	-	-	-	-	-	50	50	50	50	40	50	40	30	20	10
DC TYPE	3W-BCA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3W-BDA	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
	3W-BGA	50	50	50	50	45	50	50	50	50	50	50	50	50	50	50
	3W-AEB	30	30	25	25	20	30	30	30	25	10	30	30	30	25	10
	2W-BcA	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	2WD-BcA	50	50	50	50	50	45	45	45	45	45	45	45	45	45	45
	2S-BcA	50	50	50	50	50	50	50	50	50	40	50	40	30	20	10
	2S-KcP	-	-	-	-	-	50	50	50	50	40	50	40	30	20	10

■ INSIDE RESISTANCE (DYNAMIC VISCOSITY : 33mm²/s)

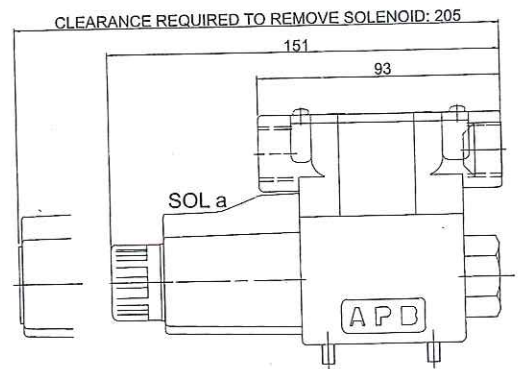
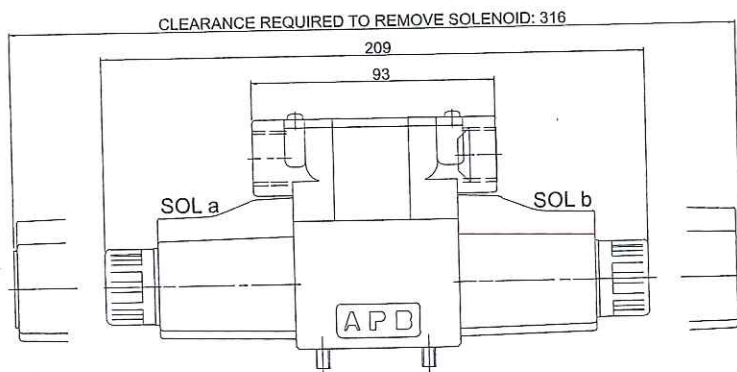
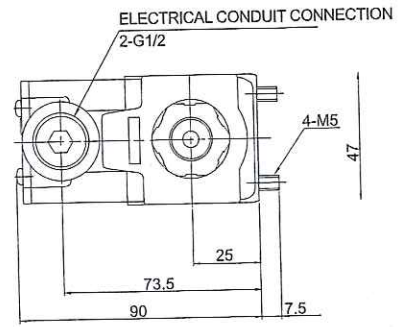
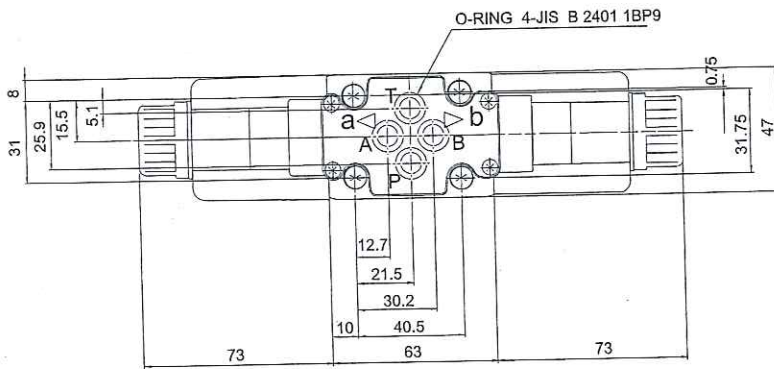


TYPE	3W			
DIRECTION	BCA	BDA	BGA	AEB
P→A · P→B	④	②	④	⑥
A→T · B→T	③	①	①	⑤
P→T	-	③	-	④

TYPE	2W	2WD	2S	
DIRECTION	BcA	BcA	BcA	KcP
P→A · P→B	④	④	④	③
A→T · B→T	③	④	③	-
P→T	-	-	-	-

OUTSIDE DRAWING

AC TYPE



DC TYPE

